

# Working Toward the 5G Fund for Rural America:

## Option A Eligibility Analysis



Rural Broadband Auctions Task Force &  
Office of Economics and Analytics

## Working Toward the 5G Fund for Rural America: Option A Eligibility Analysis

### Introduction

Since late 2018, major U.S. mobile wireless carriers have lit up 5G networks covering more than 200 million Americans in aggregate. And as a condition of its recently completed transaction with Sprint, T-Mobile made binding commitments to deploy 5G service covering 99% of the population nationwide within six years, and 90% of the population in rural areas within the same time period. The Commission remains concerned, however, that even with these significant deployment commitments, some rural areas will remain where there is insufficient financial incentive for mobile wireless carriers to invest in 5G-capable networks, and those communities could be excluded from the technological and economic benefits of 5G for years to come.

As the next step in its efforts to close the digital divide and reform legacy high-cost support, the Chairman released a draft Notice of Proposed Rulemaking (NPRM) that would establish the 5G Fund for Rural America, making up to \$9 billion in Universal Service Fund support available to carriers to deploy voice and advanced 5G mobile broadband services through multi-round reverse auctions in two phases. Phase I of the 5G Fund would target at least \$8 billion in support to rural areas of our country that would be unlikely to see timely deployment of 5G broadband service absent high-cost support or as part of T-Mobile’s transaction-related commitments.

The NPRM sought comment on an “Option A” proposal that would establish the areas eligible for support in Phase I of the 5G Fund based upon existing data sources that identify rural areas. To assist the public in understanding what areas would be eligible for support, staff has considered the degree of rurality of any given area using U.S. Department of Agriculture (USDA) Rural-Urban Commuting Area (RUCA) codes that employ U.S. Census Bureau and American Community Survey data to categorize census tracts based on population density, urbanization, and daily commuting patterns. In particular, the areas eligible for 5G Fund Phase I support would be any census tract that is part of RUCA codes 5-10, excluding from such tracts any census block categorized as “urban” or that is water-only.

The top states in terms of land area percentage that would be eligible for 5G Fund Phase I support under this definition would be:

- 1) Nebraska (92%)
- 2) North Dakota (91%)
- 3) South Dakota (90%)
- 4) Montana (89%)
- 5) Wyoming (86%)
- 6) Vermont (85%)
- 7) Kansas (85%)
- 8) Maine (83%)
- 9) Colorado (81%)
- 10) Idaho (81%)

The top states in terms of population percentage that would be eligible for 5G Fund Phase I support under this definition would be:

- 1) Vermont (47%)
- 2) Maine (34%)
- 3) Montana (33%)
- 4) North Dakota (33%)
- 5) South Dakota (32%)
- 6) Mississippi (31%)
- 7) Kentucky (27%)
- 8) Wyoming (26%)
- 9) New Hampshire (24%)
- 10) Iowa (23%)

Consistent with the proposals in the draft 5G Fund NPRM, staff notes that the areas potentially eligible for Phase I support under Option A represent an upper bound on eligibility, and the actual areas that would be eligible in the Phase I auction may be significantly reduced due to T-Mobile’s binding 5G commitments. Because T-Mobile’s 5G commitments are based upon population covered and are not geographically-based, staff is unable to generate maps that take into account those areas that may be ultimately removed from eligibility due to commitments by T-Mobile to deploy 5G service in those areas.

An online version of the maps in this analysis can be viewed on the Commission’s website at: <https://www.fcc.gov/reports-research/maps/5g-fund-option-a-eligibility-analysis/>.

### Data Sources

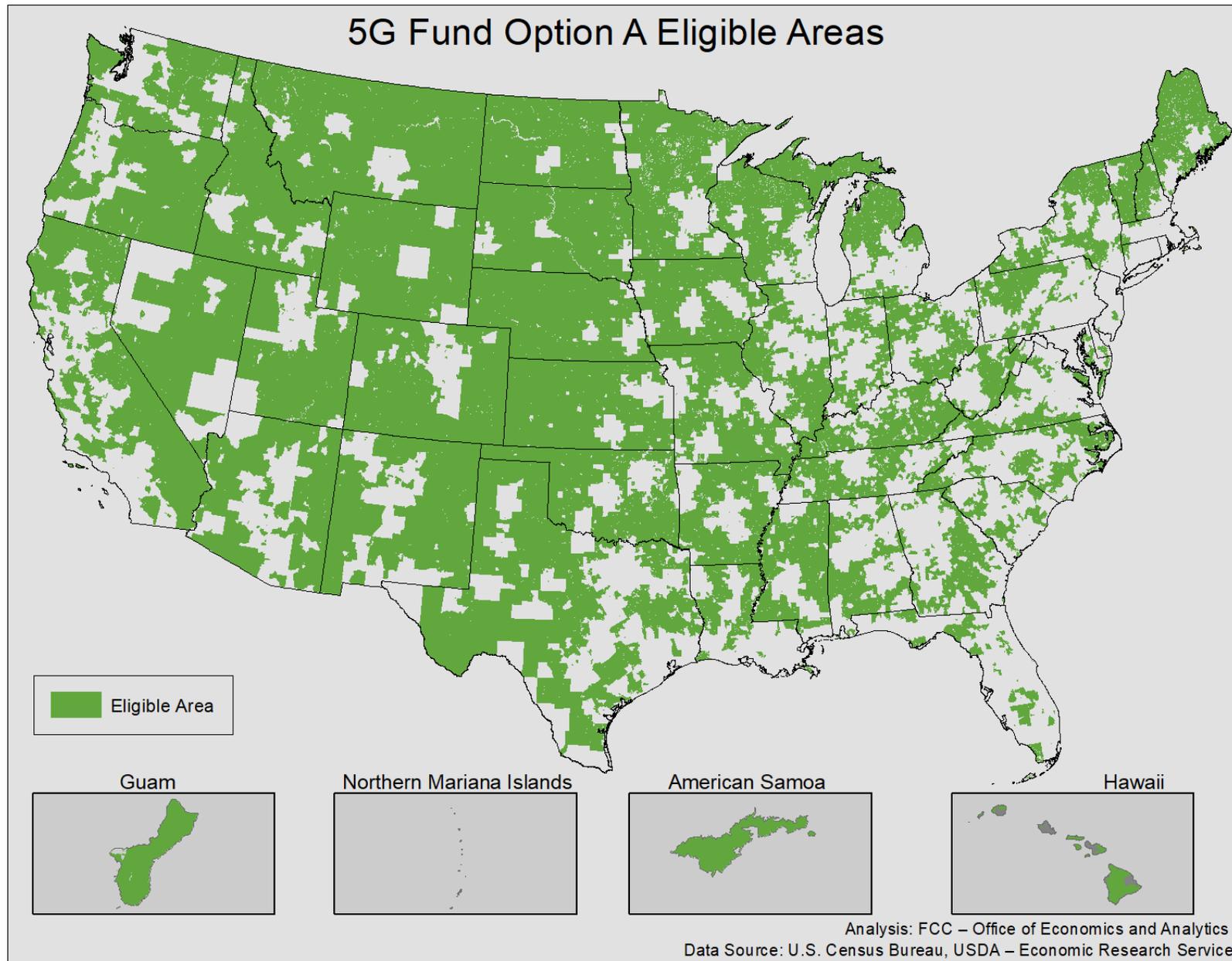
The staff analysis and the maps contained herein rely upon U.S. Census Bureau population and geographic data, as well as the Rural-Urban Commuting Area codes released by the U.S. Department of Agriculture’s Economic Research Service.

### Summary of Eligibility

State	Eligible Pops.	Eligible Pops. %	Eligible Area (sq. km)	Total Area (sq. km)	Eligible Area %
Alabama	693,910	15%	57,105	131,174	44%
Arizona	280,165	4%	189,321	294,200	64%
Arkansas	660,073	23%	90,752	134,768	67%
California	633,686	2%	256,714	403,503	64%
Colorado	337,932	7%	217,295	268,422	81%
Connecticut	29,042	1%	1,209	12,542	10%
Delaware	37,198	4%	912	5,045	18%
Florida	276,862	1%	29,588	138,949	21%
Georgia	739,811	8%	60,303	149,482	40%
Hawaii	69,989	5%	11,642	16,633	70%
Idaho	246,478	16%	173,269	214,050	81%
Illinois	653,874	5%	75,346	143,780	52%

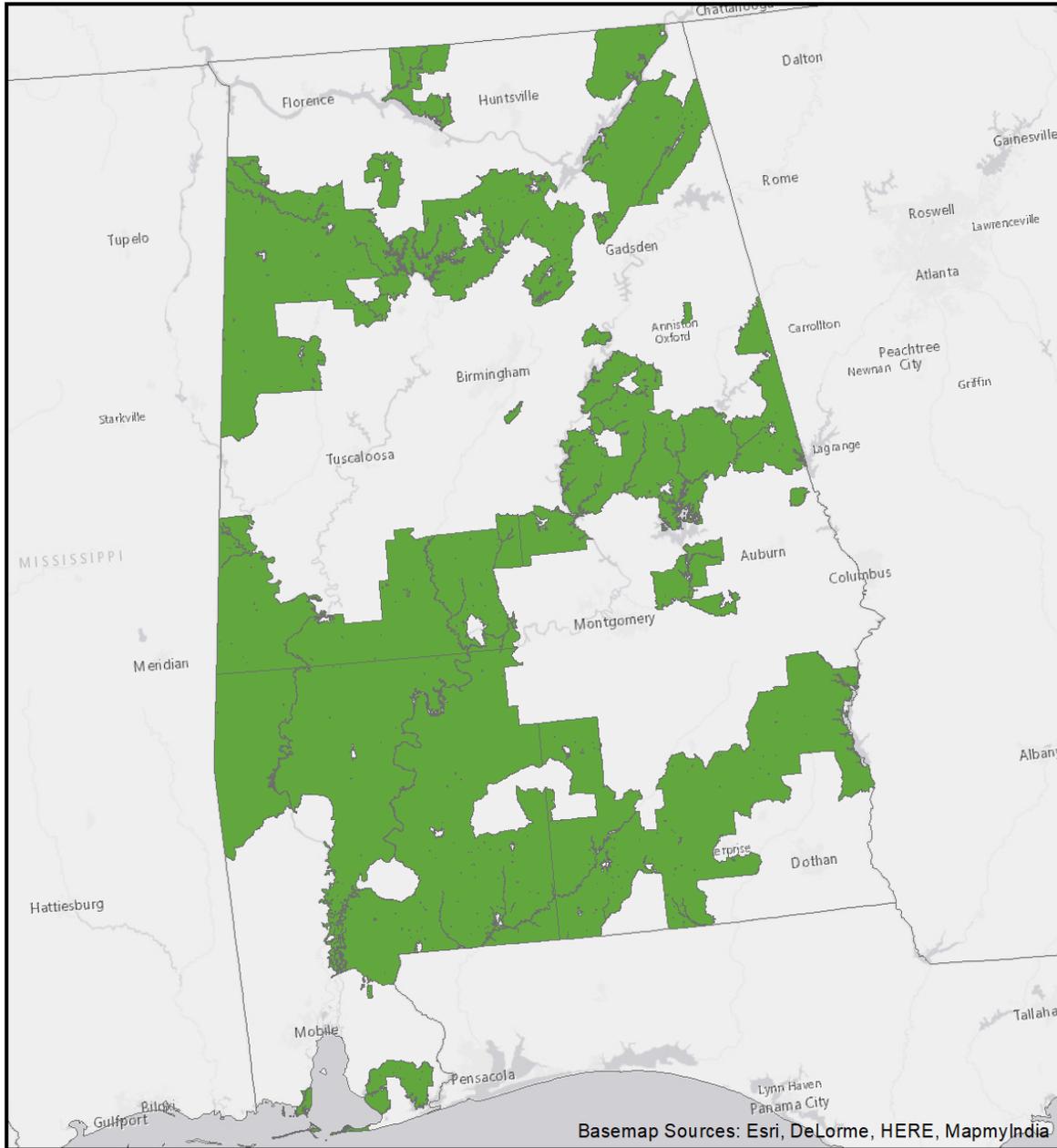
Federal Communications Commission – Working Toward the 5G Fund for Rural America

State	Eligible Pops.	Eligible Pops. %	Eligible Area (sq. km)	Total Area (sq. km)	Eligible Area %
Indiana	671,096	10%	39,312	92,788	42%
Iowa	693,305	23%	108,381	144,661	75%
Kansas	428,644	15%	180,342	211,755	85%
Kentucky	1,168,237	27%	69,742	102,279	68%
Louisiana	365,703	8%	42,474	111,897	38%
Maine	447,106	34%	65,942	79,887	83%
Maryland	94,838	2%	4,984	25,151	20%
Massachusetts	46,591	1%	2,375	20,205	12%
Michigan	1,096,506	11%	99,303	146,600	68%
Minnesota	831,131	16%	162,894	206,228	79%
Mississippi	918,532	31%	84,360	121,533	69%
Missouri	907,693	15%	117,679	178,050	66%
Montana	324,685	33%	337,353	376,965	89%
Nebraska	355,060	19%	182,099	198,956	92%
Nevada	60,414	2%	184,563	284,329	65%
New Hampshire	310,252	24%	17,249	23,189	74%
New Jersey	11,566	0%	825	19,047	4%
New Mexico	214,282	10%	228,011	314,194	73%
New York	910,102	5%	60,748	122,049	50%
North Carolina	1,187,971	12%	56,868	125,923	45%
North Dakota	218,929	33%	163,461	178,705	91%
Ohio	1,117,443	10%	54,194	105,828	51%
Oklahoma	710,933	19%	139,363	177,662	78%
Oregon	292,374	8%	189,450	248,607	76%
Pennsylvania	717,228	6%	43,551	115,884	38%
Rhode Island	1,051	0%	23	2,677	1%
South Carolina	424,520	9%	26,082	77,864	33%
South Dakota	263,300	32%	176,920	196,346	90%
Tennessee	933,481	15%	57,094	106,802	53%
Texas	1,248,594	5%	415,886	676,653	61%
Utah	119,140	4%	162,222	212,885	76%
Vermont	293,897	47%	20,352	23,874	85%
Virginia	673,143	8%	38,581	102,257	38%
Washington	354,556	5%	108,838	172,112	63%
West Virginia	311,207	17%	27,823	62,266	45%
Wisconsin	902,539	16%	96,197	140,290	69%
Wyoming	145,718	26%	215,112	251,457	86%
American Samoa	55,519	100%	197	197	100%
N. Mariana Islands	58,883	100%	471	471	100%
Guam	159,444	100%	531	531	100%
<b>Total</b>	<b>24,704,633</b>	<b>8%</b>	<b>5,145,308</b>	<b>7,671,602</b>	<b>67%</b>



Alabama

Alabama 5G Fund Option A Eligible Areas



Percent Population Eligible: **15%**  
Total Population: **4,779,736**  
Eligible Population: **693,910**

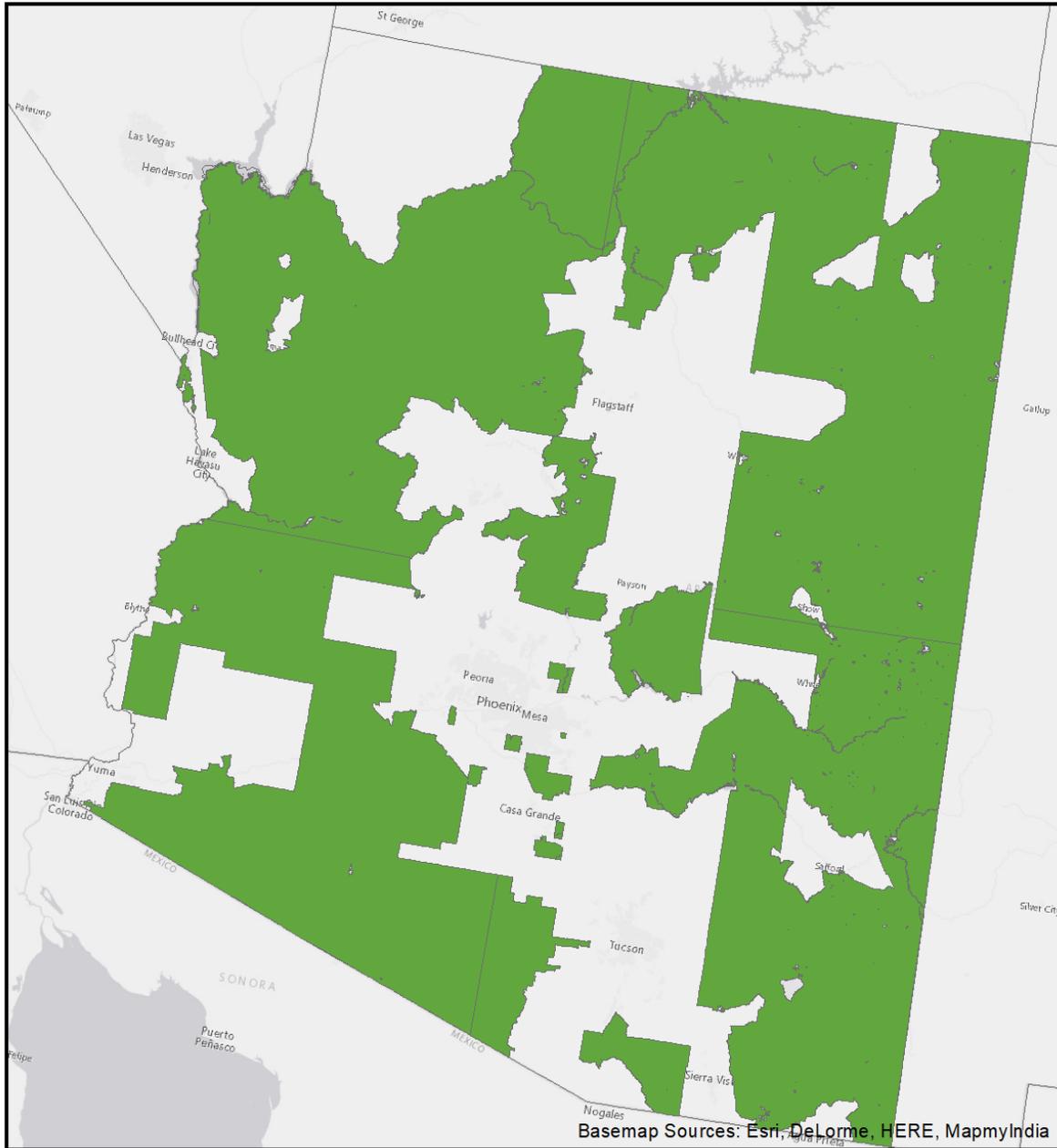
Percent Land Area Eligible: **44%**  
Total Land Area (sq. km.): **131,174**  
Total Eligible Land Area (sq. km.): **57,105**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Arizona

Arizona 5G Fund Option A Eligible Areas



Percent Population Eligible: **4%**  
Total Population: **6,392,014**  
Eligible Population: **280,165**

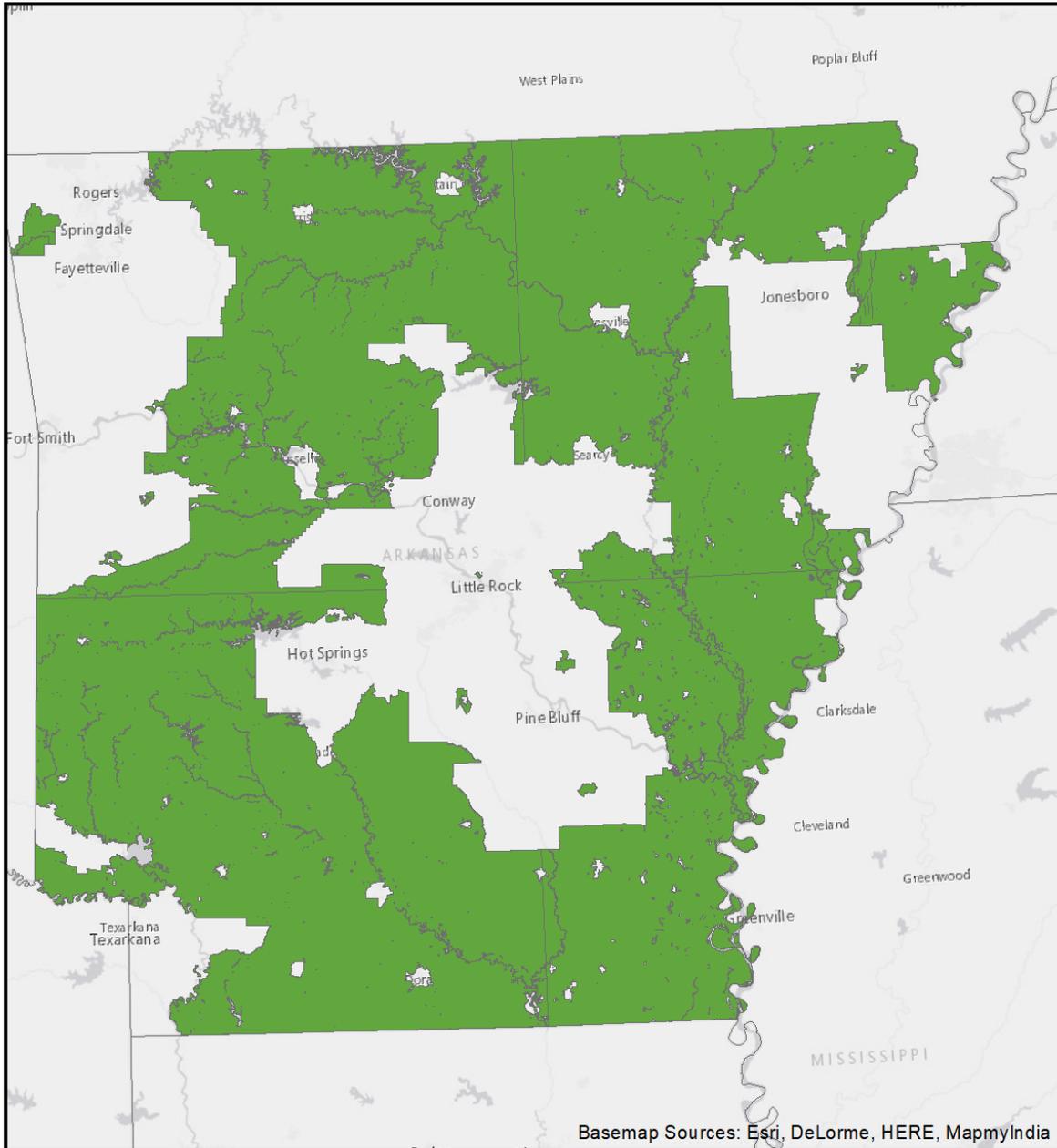
Percent Land Area Eligible: **64%**  
Total Land Area (sq. km.): **294,200**  
Total Eligible Land Area (sq. km.): **189,321**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Arkansas

Arkansas 5G Fund Option A Eligible Areas



Percent Population Eligible: **23%**  
Total Population: **2,915,918**  
Eligible Population: **660,073**

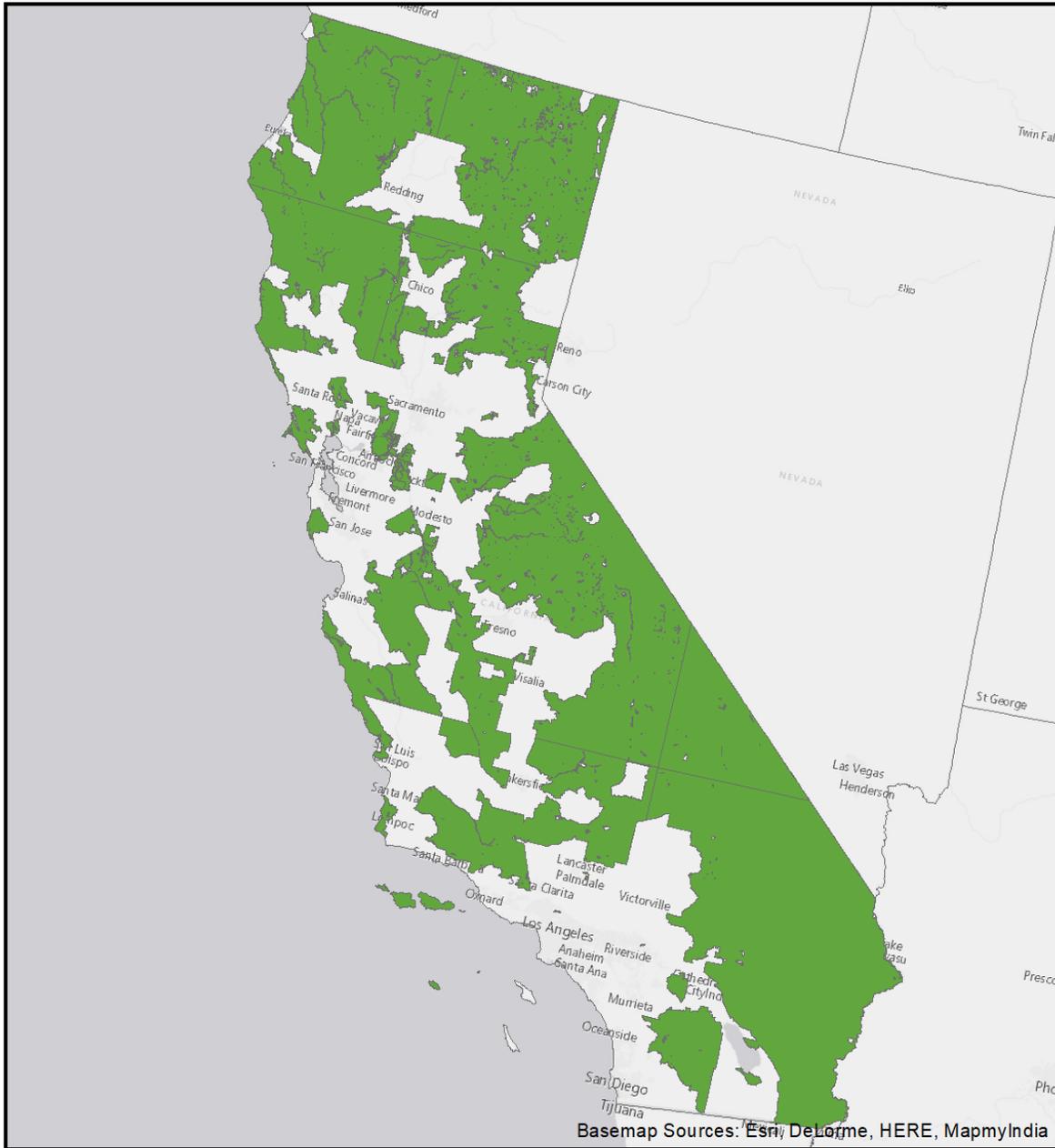
Percent Land Area Eligible: **67%**  
Total Land Area (sq. km.): **134,768**  
Total Eligible Land Area (sq. km.): **90,752**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

California

California 5G Fund Option A Eligible Areas



Percent Population Eligible: **2%**  
Total Population: **37,253,954**  
Eligible Population: **633,686**

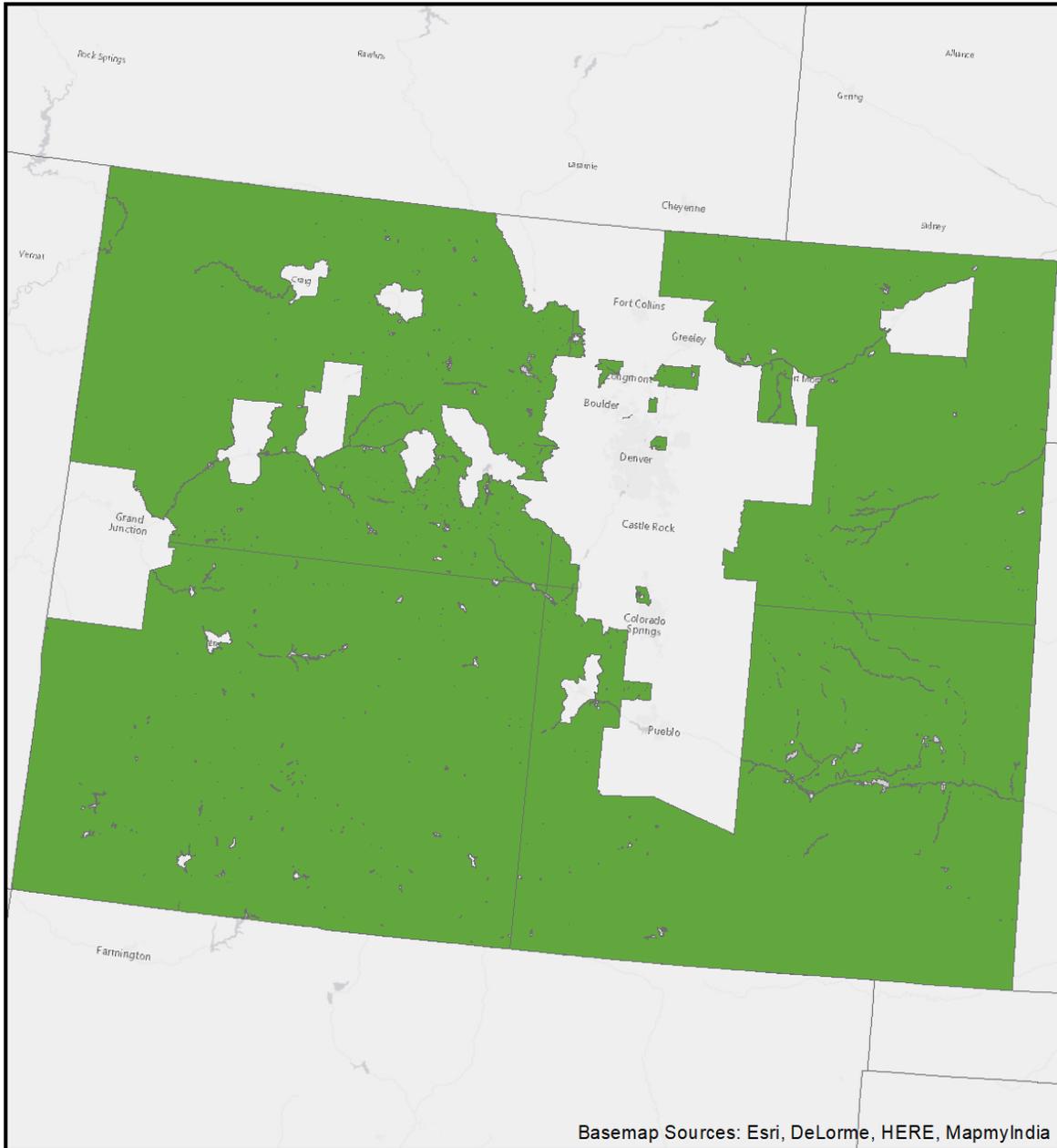
Percent Land Area Eligible: **64%**  
Total Land Area (sq. km.): **403,503**  
Total Eligible Land Area (sq. km.): **256,714**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Colorado

Colorado 5G Fund Option A Eligible Areas



Percent Population Eligible: **7%**  
Total Population: **5,029,188**  
Eligible Population: **337,932**

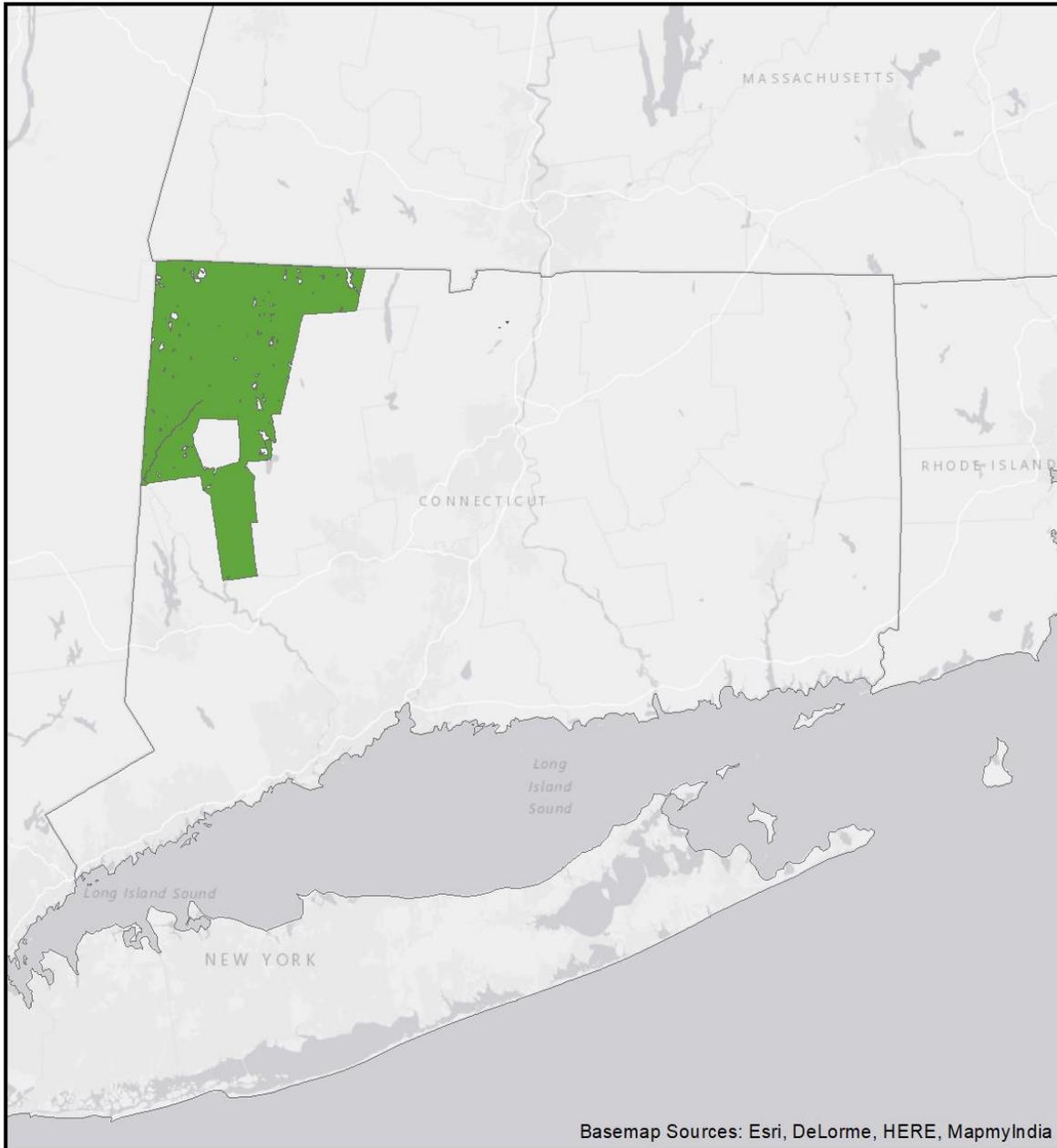
Percent Land Area Eligible: **81%**  
Total Land Area (sq. km.): **268,422**  
Total Eligible Land Area (sq. km.): **217,295**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Connecticut

Connecticut 5G Fund Option A Eligible Areas



Percent Population Eligible: **1%**  
Total Population: **3,574,097**  
Eligible Population: **29,042**

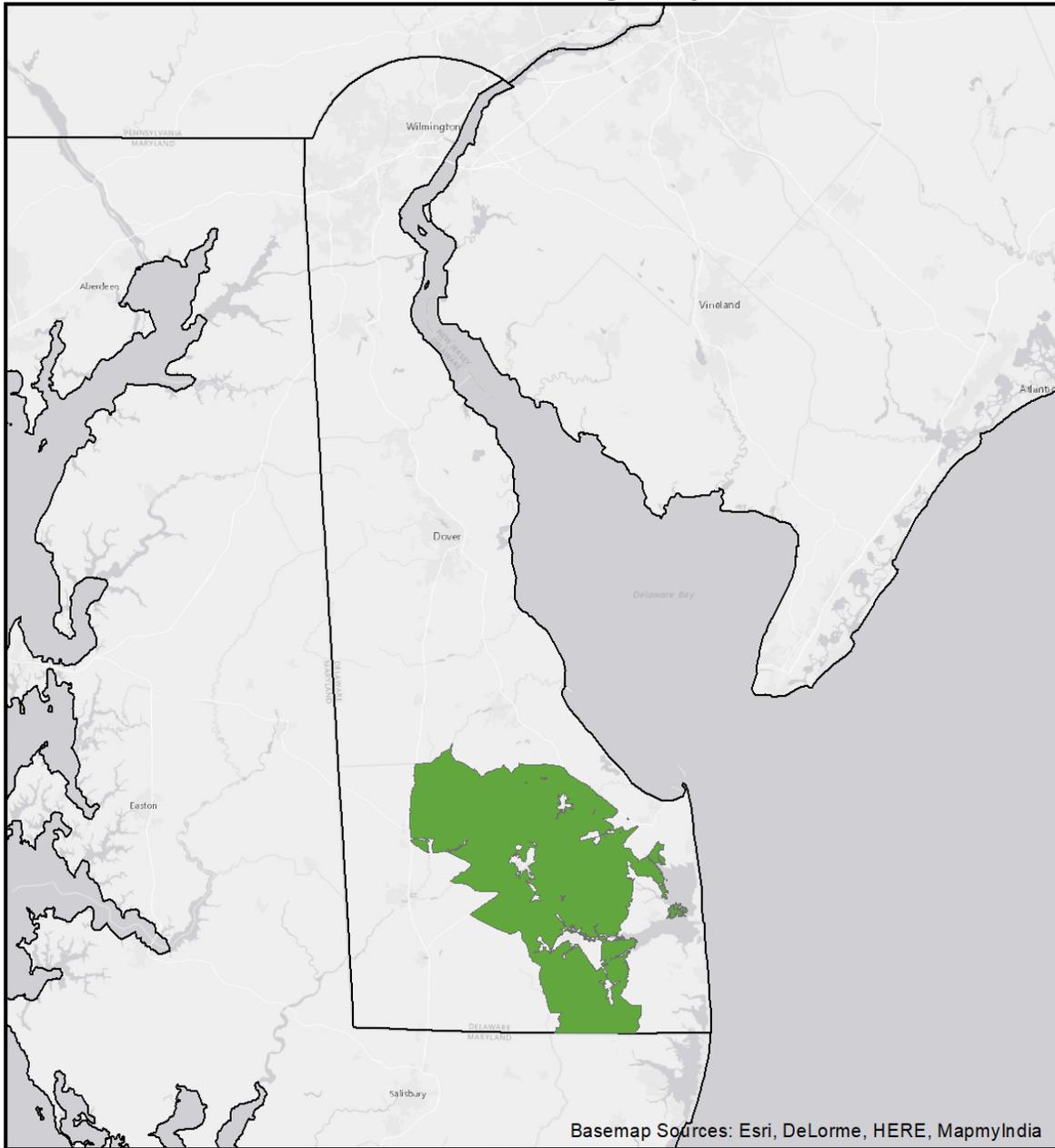
Percent Land Area Eligible: **10%**  
Total Land Area (sq. km.): **12,541**  
Total Eligible Land Area (sq. km.): **1,207**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Delaware

Delaware 5G Fund Eligibility Area



Percent Population Eligible: **4%**  
Total Population: **897,934**  
Eligible Population: **37,198**

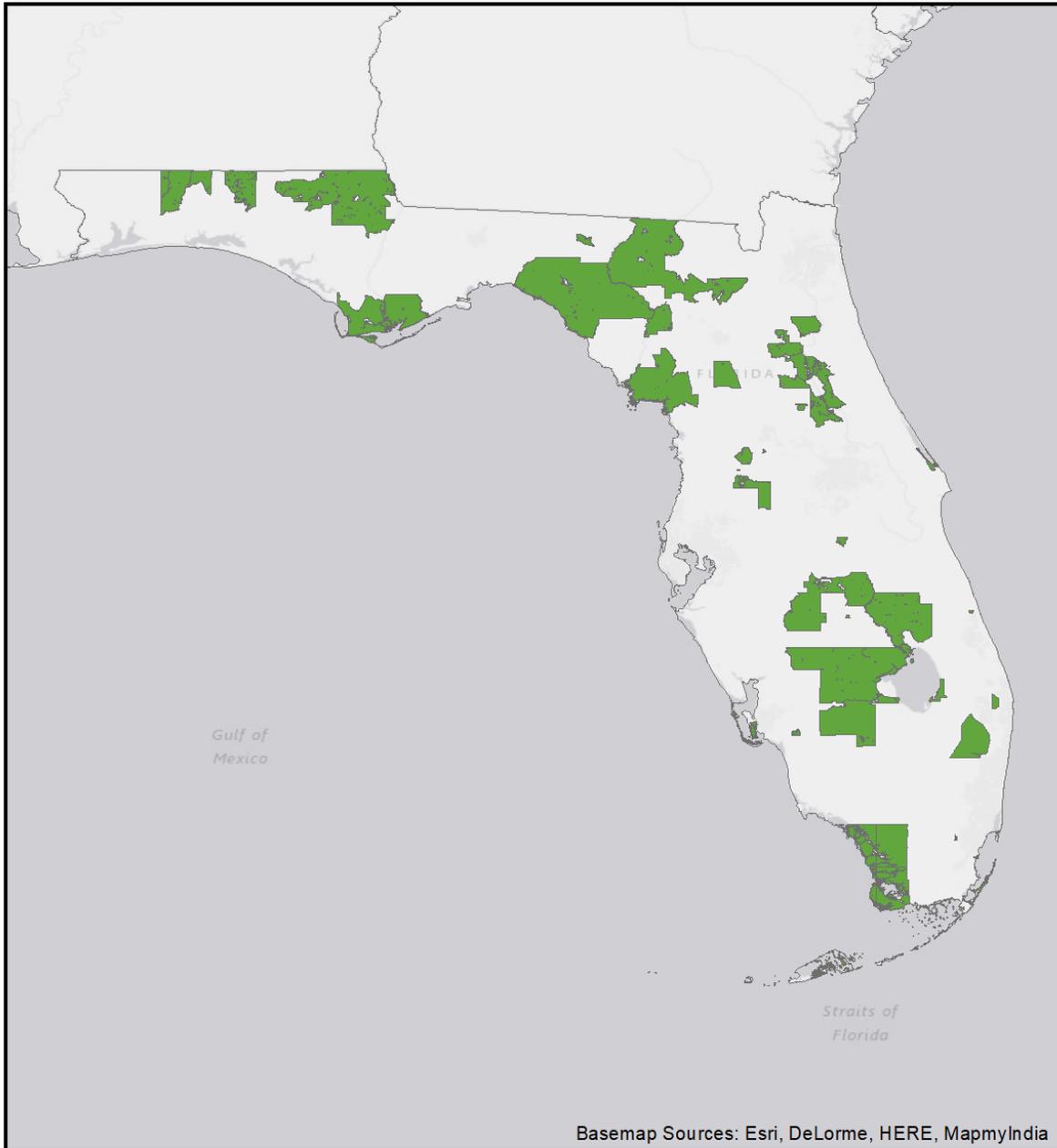
Percent Land Area Eligible: **18%**  
Total Land Area (sq. km.): **5,045**  
Total Eligible Land Area (sq. km.): **912**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Florida

Florida 5G 5G Fund Option A Eligible Areas



Percent Population Eligible: **1%**  
Total Population: **18,801,281**  
Eligible Population: **276,862**

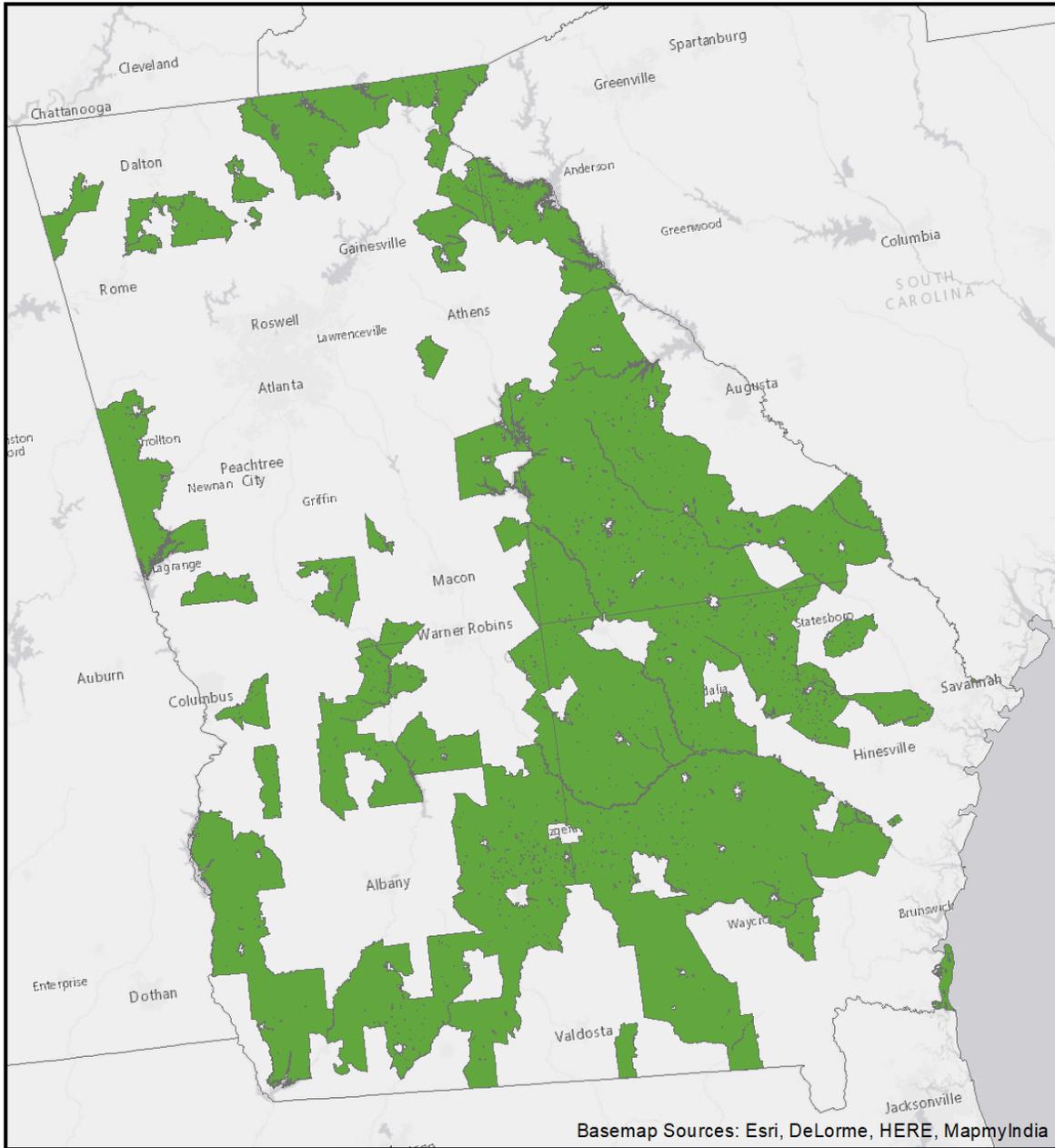
Percent Land Area Eligible: **21%**  
Total Land Area (sq. km.): **138,949**  
Total Eligible Land Area (sq. km.): **29,588**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Georgia

Georgia 5G Fund Option A Eligible Areas



Percent Population Eligible: **8%**  
Total Population: **9,687,648**  
Eligible Population: **739,811**

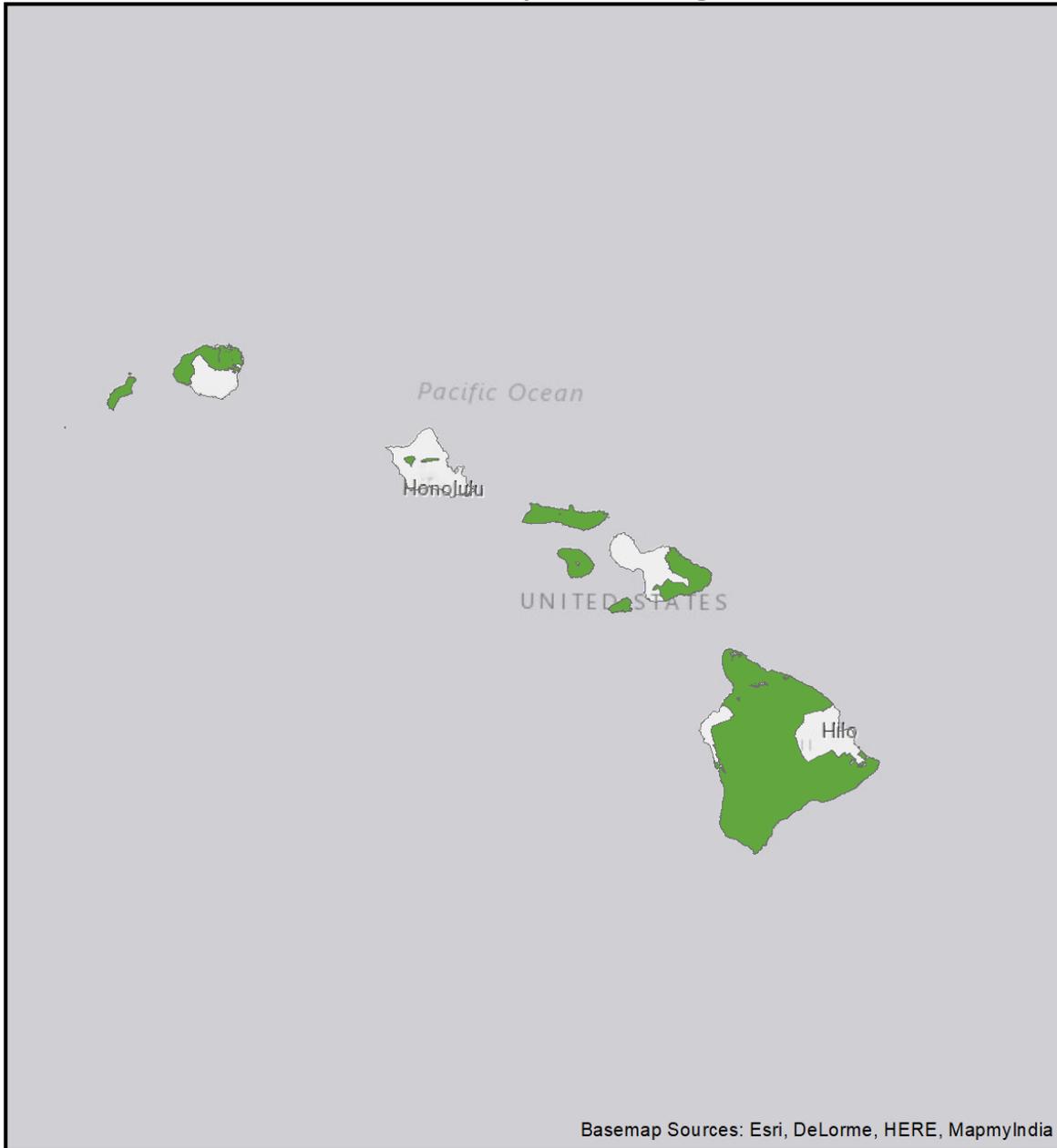
Percent Land Area Eligible: **40%**  
Total Land Area (sq. km.): **149,482**  
Total Eligible Land Area (sq. km.): **60,303**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Hawaii

Hawaii 5G 5G Fund Option A Eligible Areas



Percent Population Eligible: **5%**  
Total Population: **1,360,301**  
Eligible Population: **69,989**

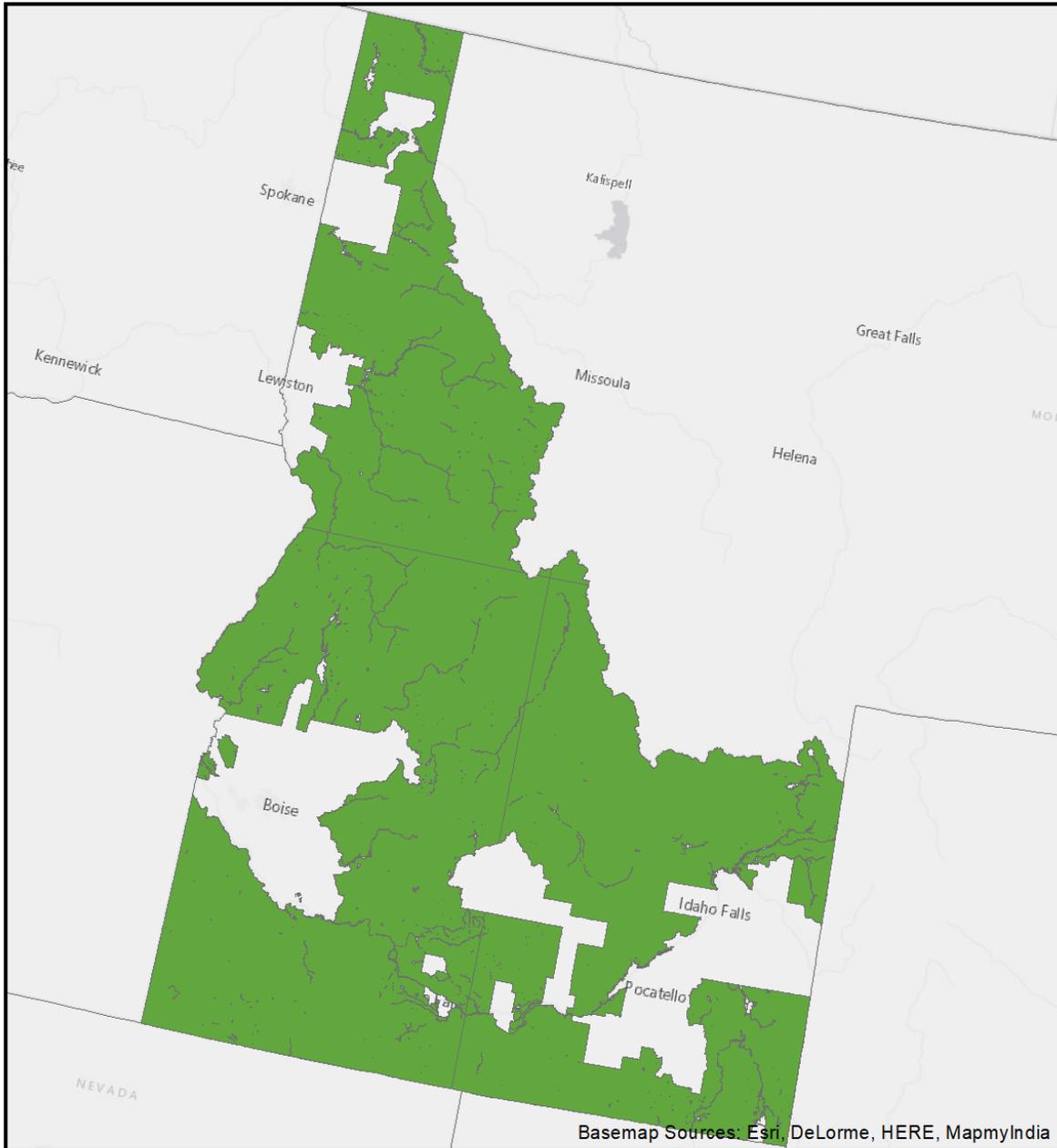
Percent Land Area Eligible: **70%**  
Total Land Area (sq. km.): **16,633**  
Total Eligible Land Area (sq.km.): **11,642**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Idaho

Idaho 5G Fund Option A Eligible Areas



Percent Population Eligible: **16%**  
Total Population: **1,567,582**  
Eligible Population: **246,478**

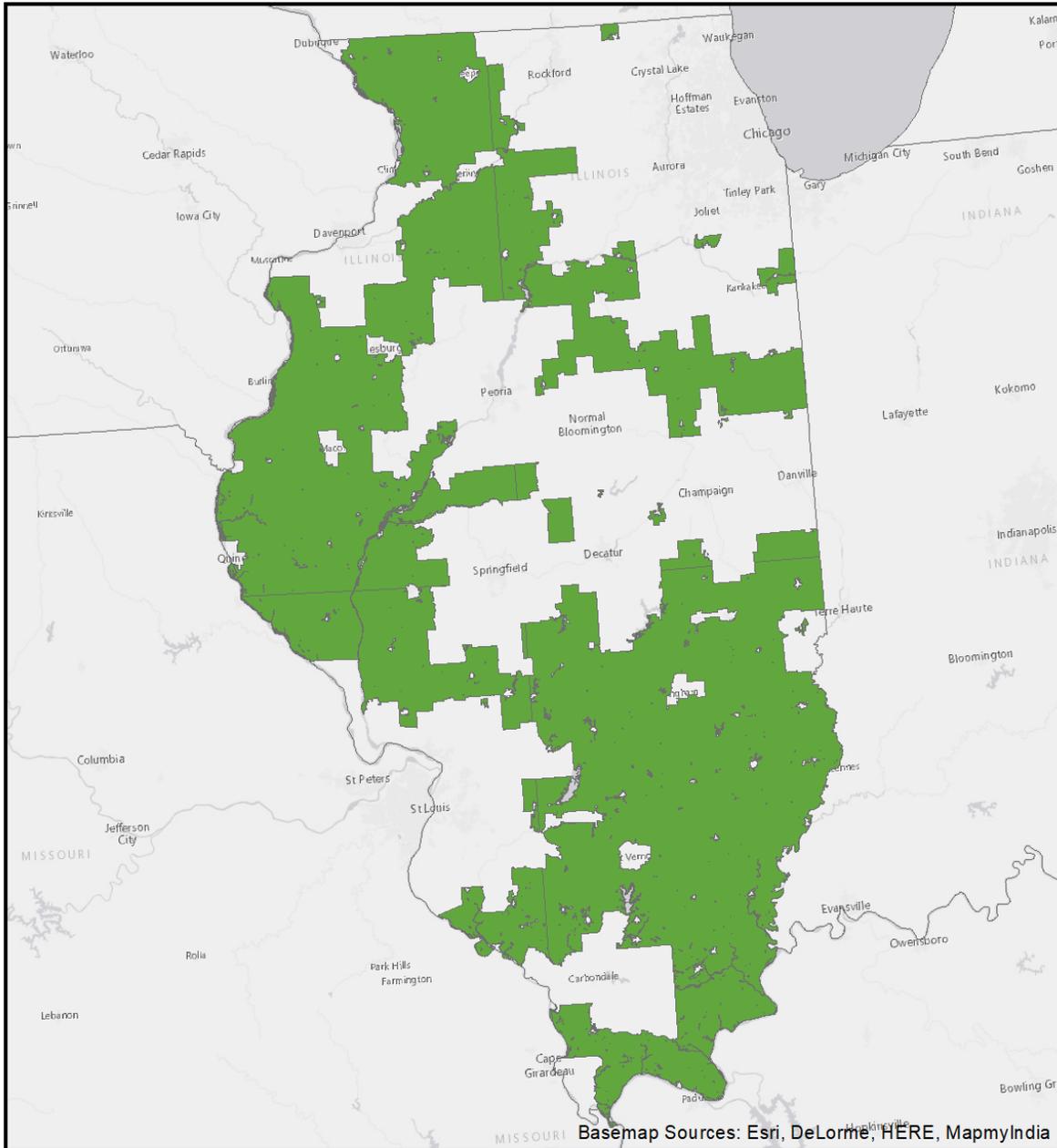
Percent Land Area Eligible: **81%**  
Total Land Area (sq. km.): **214,050**  
Total Eligible Land Area (sq. km.): **173,269**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Illinois

Illinois 5G Fund Option A Eligible Areas



Percent Population Eligible: **5%**  
Total Population: **12,830,622**  
Eligible Population: **653,874**

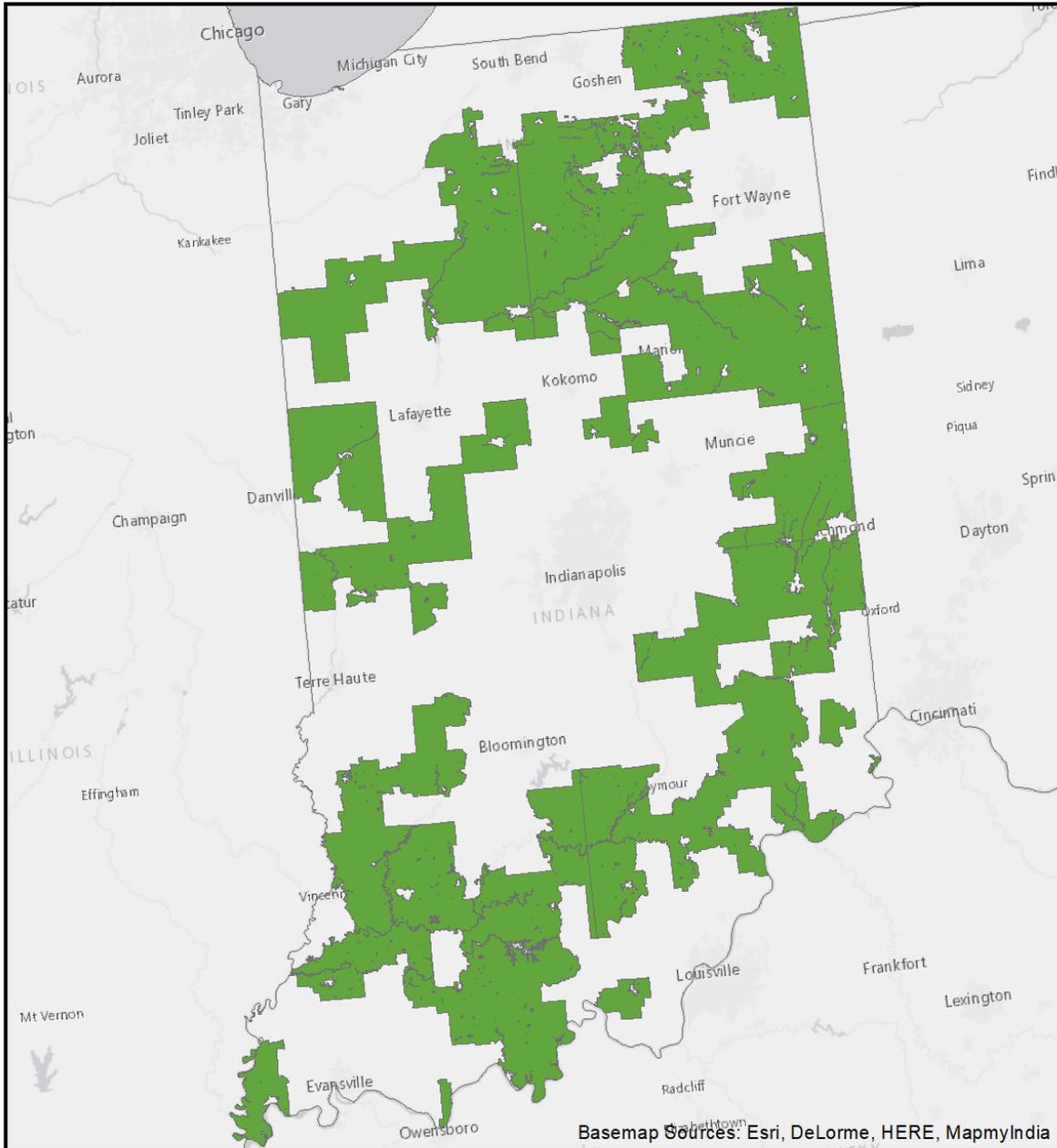
Percent Land Area Eligible: **52%**  
Total Land Area (sq. km.): **143,780**  
Total Eligible Land Area (sq. km.): **75,346**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Indiana

Indiana 5G Fund Option A Eligible Areas



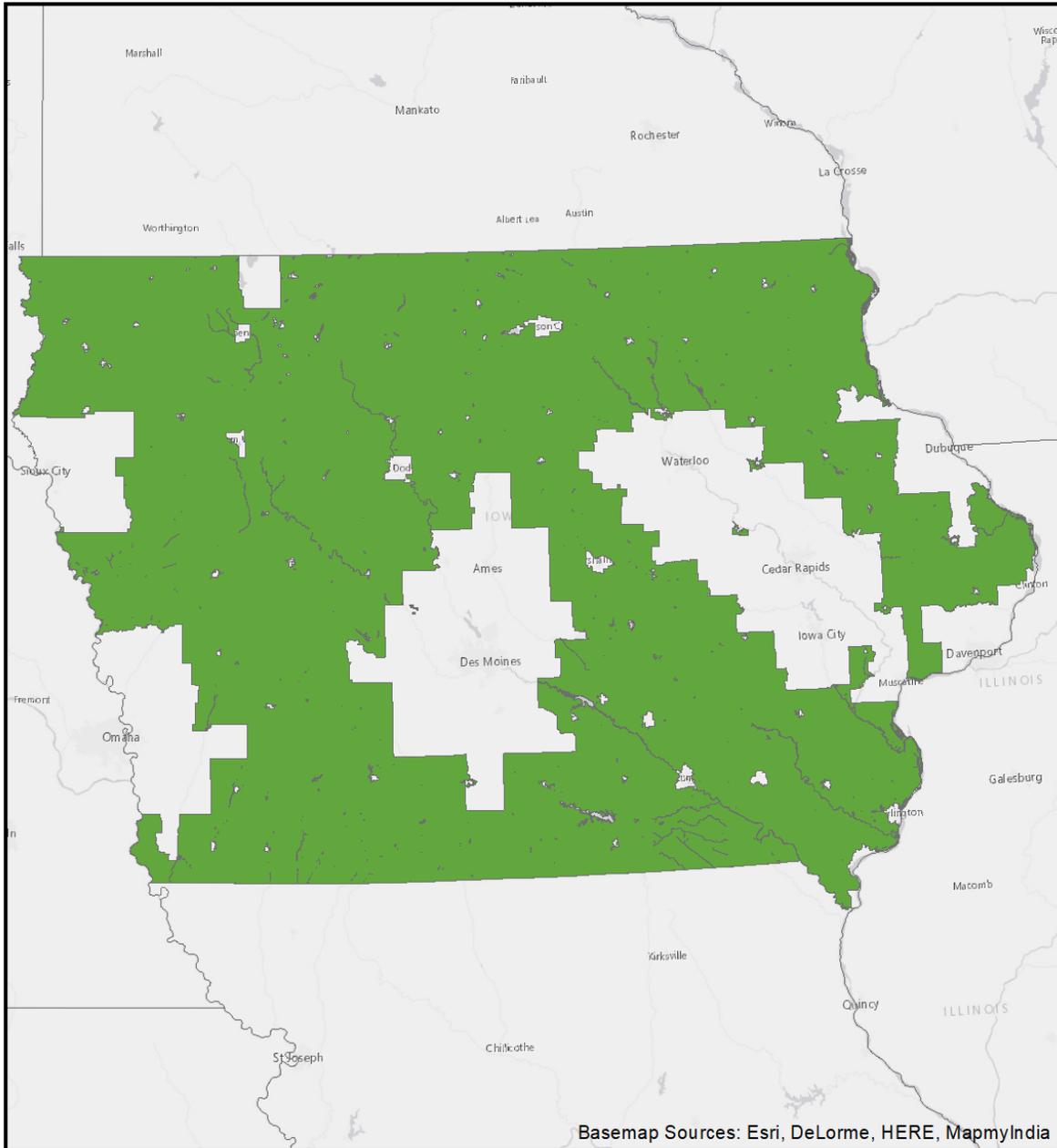
Percent Population Eligible: <b>10%</b>	Percent Land Area Eligible: <b>42%</b>
Total Population: <b>6,483,802</b>	Total Land Area (sq. km.): <b>92,788</b>
Eligible Population: <b>671,096</b>	Total Eligible Land Area (sq. km.): <b>39,312</b>



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Iowa

### Iowa 5G Fund Option A Eligible Areas



Percent Population Eligible: **23%**  
Total Population: **3,046,355**  
Eligible Population: **693,305**

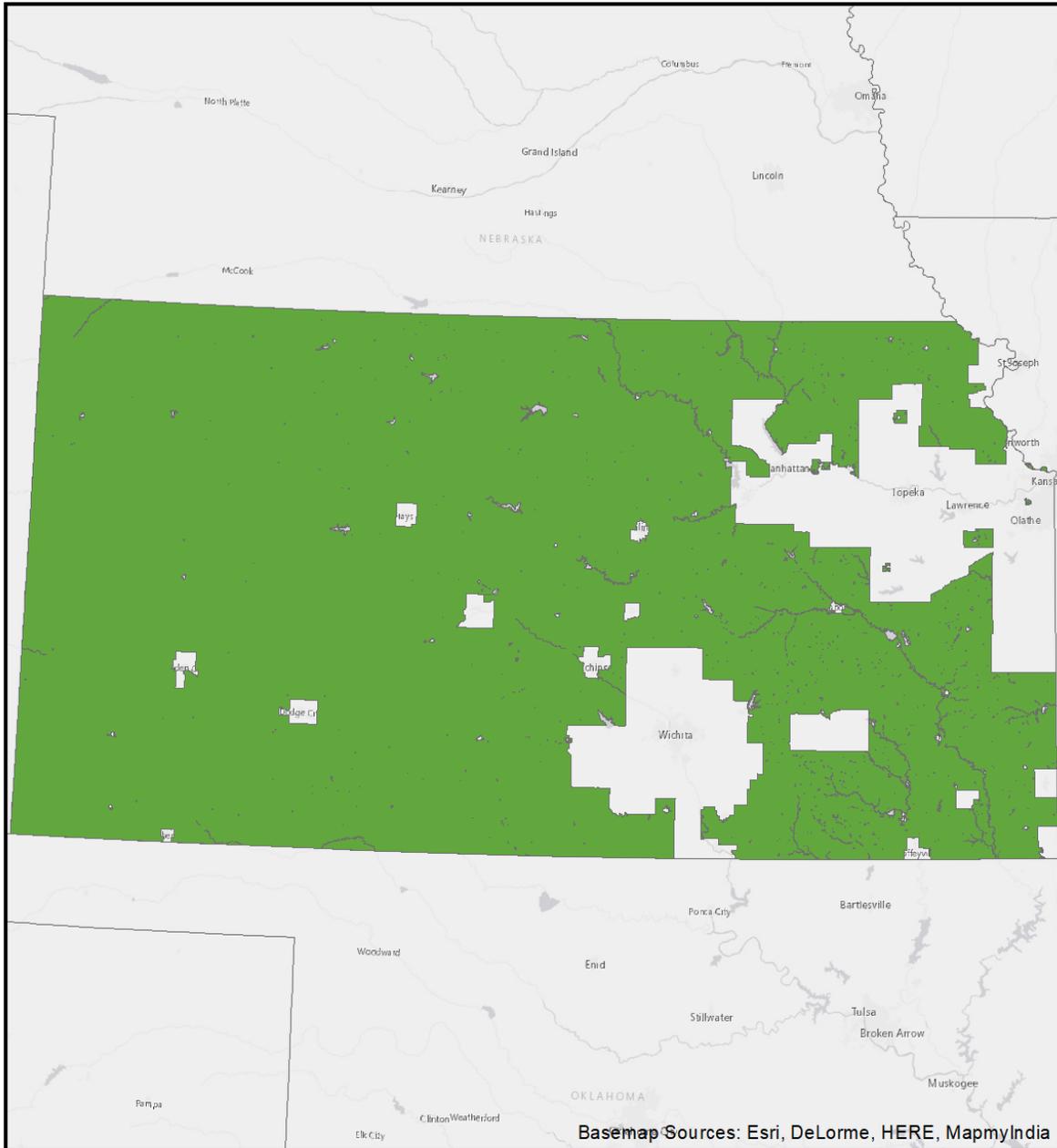
Percent Land Area Eligible: **75%**  
Total Land Area (sq. km.): **144,661**  
Total Eligible Land Area (sq. km.): **108,381**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Kansas

### Kansas 5G Fund Option A Eligible Areas



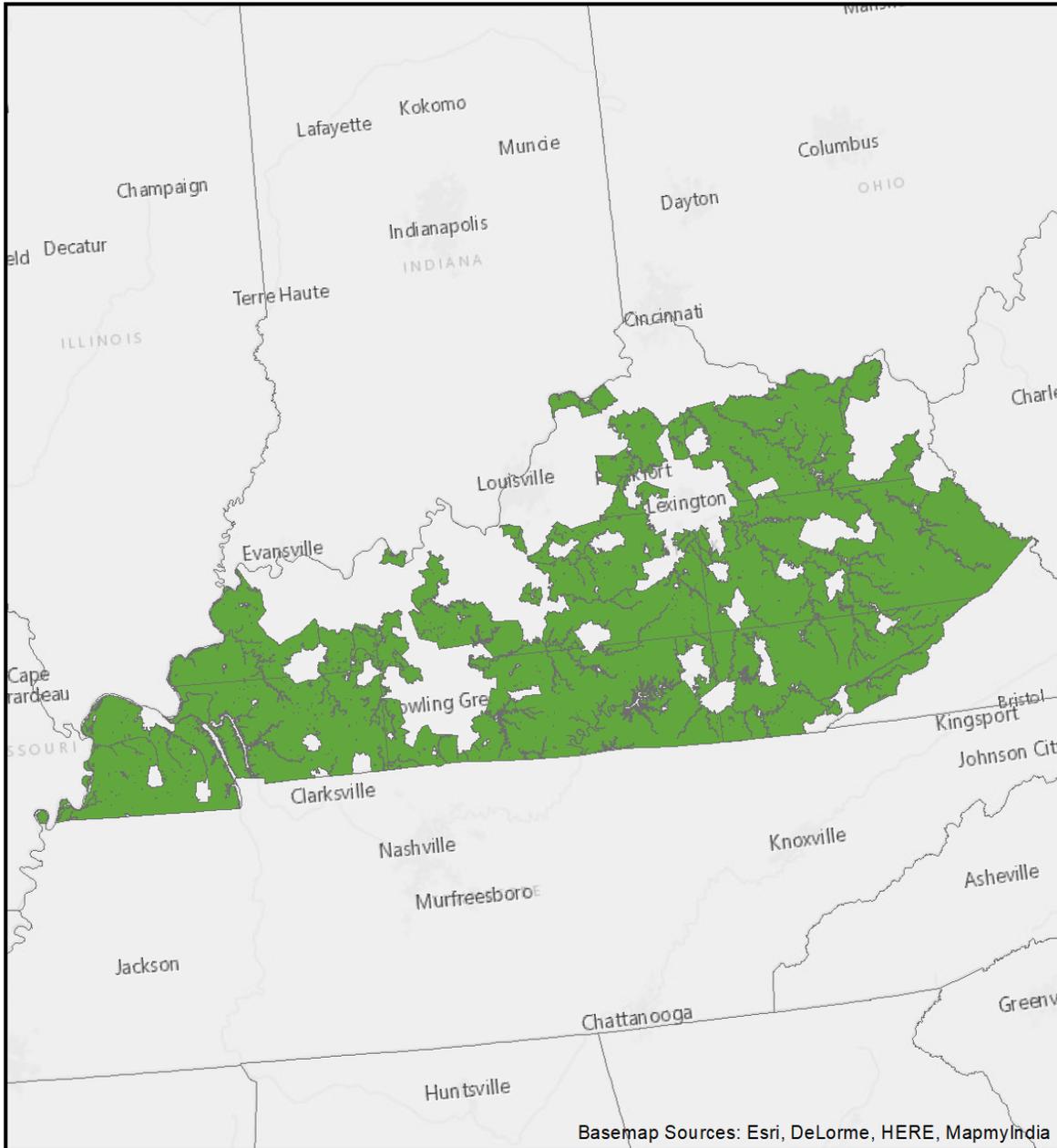
Percent Population Eligible: <b>15%</b>	Percent Land Area Eligible: <b>85%</b>
Total Population: <b>2,853,118</b>	Total Land Area (sq. km.): <b>211,755</b>
Eligible Population: <b>428,644</b>	Total Eligible Land Area (sq. km.): <b>180,342</b>



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Kentucky

Kentucky 5G Fund Option A Eligible Areas



Percent Population Eligible: **27%**  
Total Population: **4,339,367**  
Eligible Population: **1,168,237**

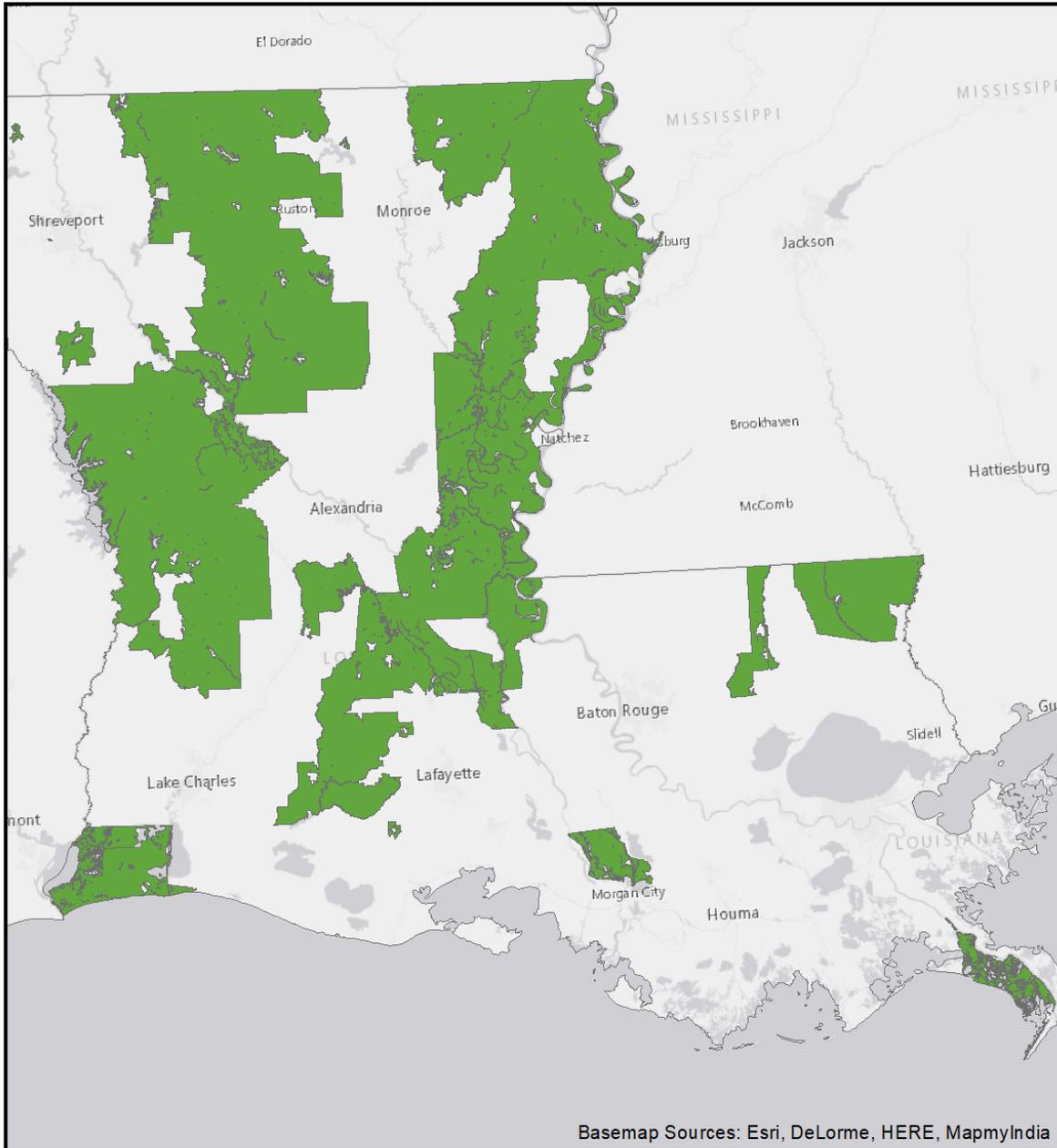
Percent Land Area Eligible: **68%**  
Total Land Area (sq. km.): **102,279**  
Total Eligible Land Area (sq. km.): **69,742**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Louisiana

Louisiana 5G Fund Option A Eligible Areas



Percent Population Eligible: **8%**  
Total Population: **4,533,372**  
Eligible Population: **365,703**

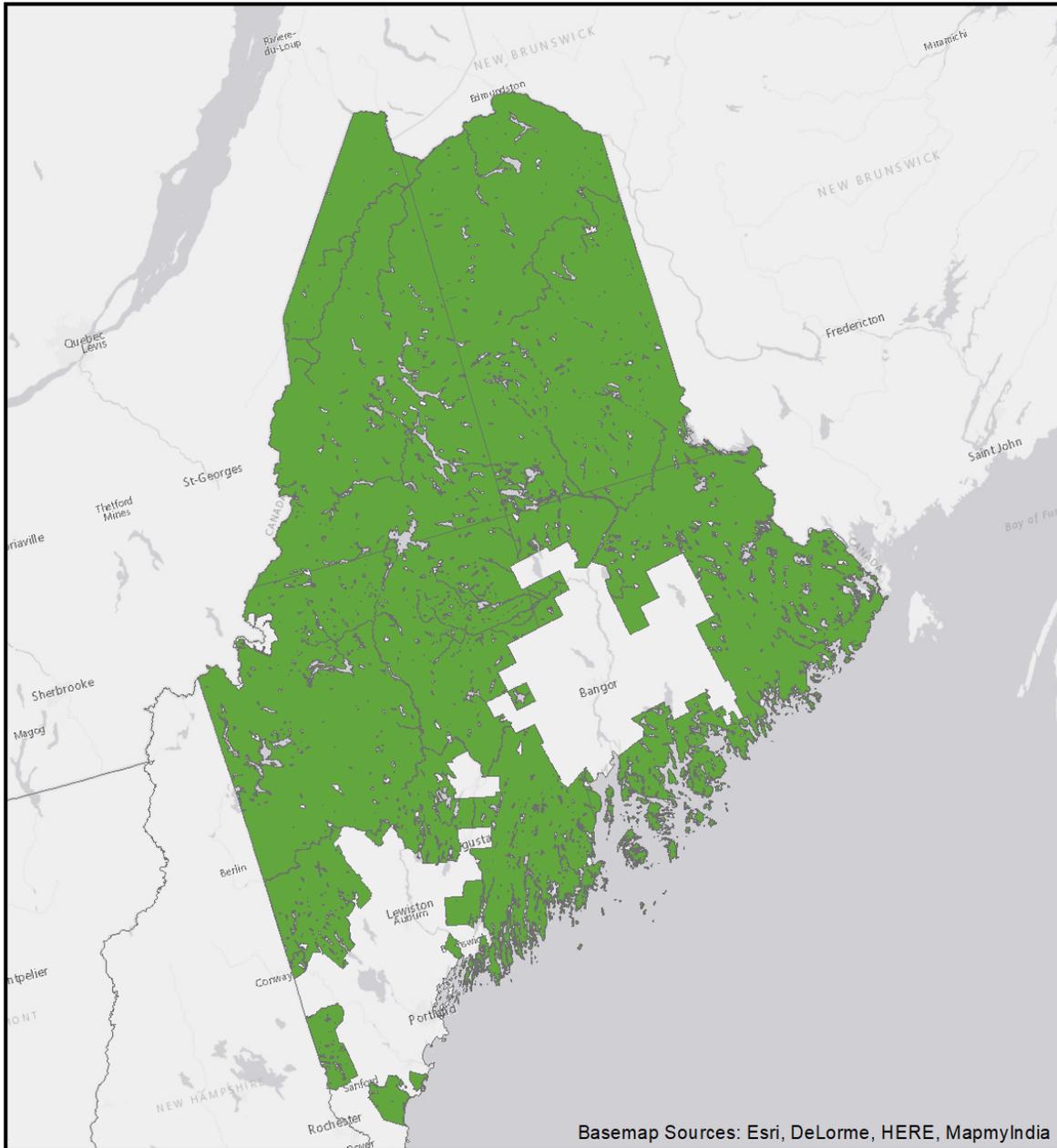
Percent Land Area Eligible: **38%**  
Total Land Area (sq. km.): **111,897**  
Total Eligible Land Area (sq. km.): **42,474**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Maine

Maine 5G Fund Option A Eligible Areas



Percent Population Eligible: **34%**  
Total Population: **1,328,361**  
Eligible Population: **447,106**

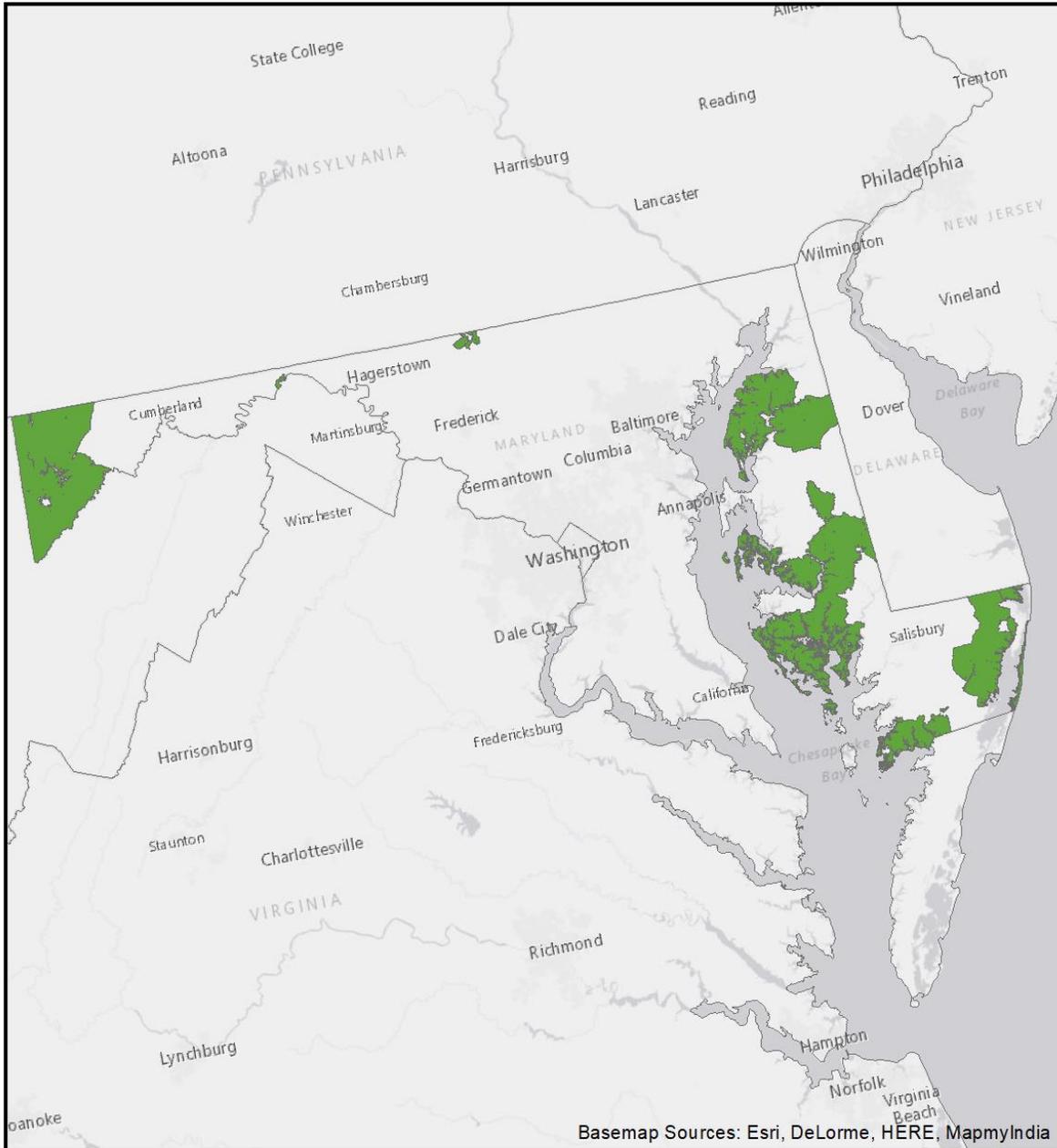
Percent Land Area Eligible: **83%**  
Total Land Area (sq. km.): **79,887**  
Total Eligible Land Area (sq. km.): **65,942**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

## Maryland

### Maryland 5G Fund Option A Eligible Areas



Percent Population Eligible: **2%**  
Total Population: **5,773,552**  
Eligible Population: **94,838**

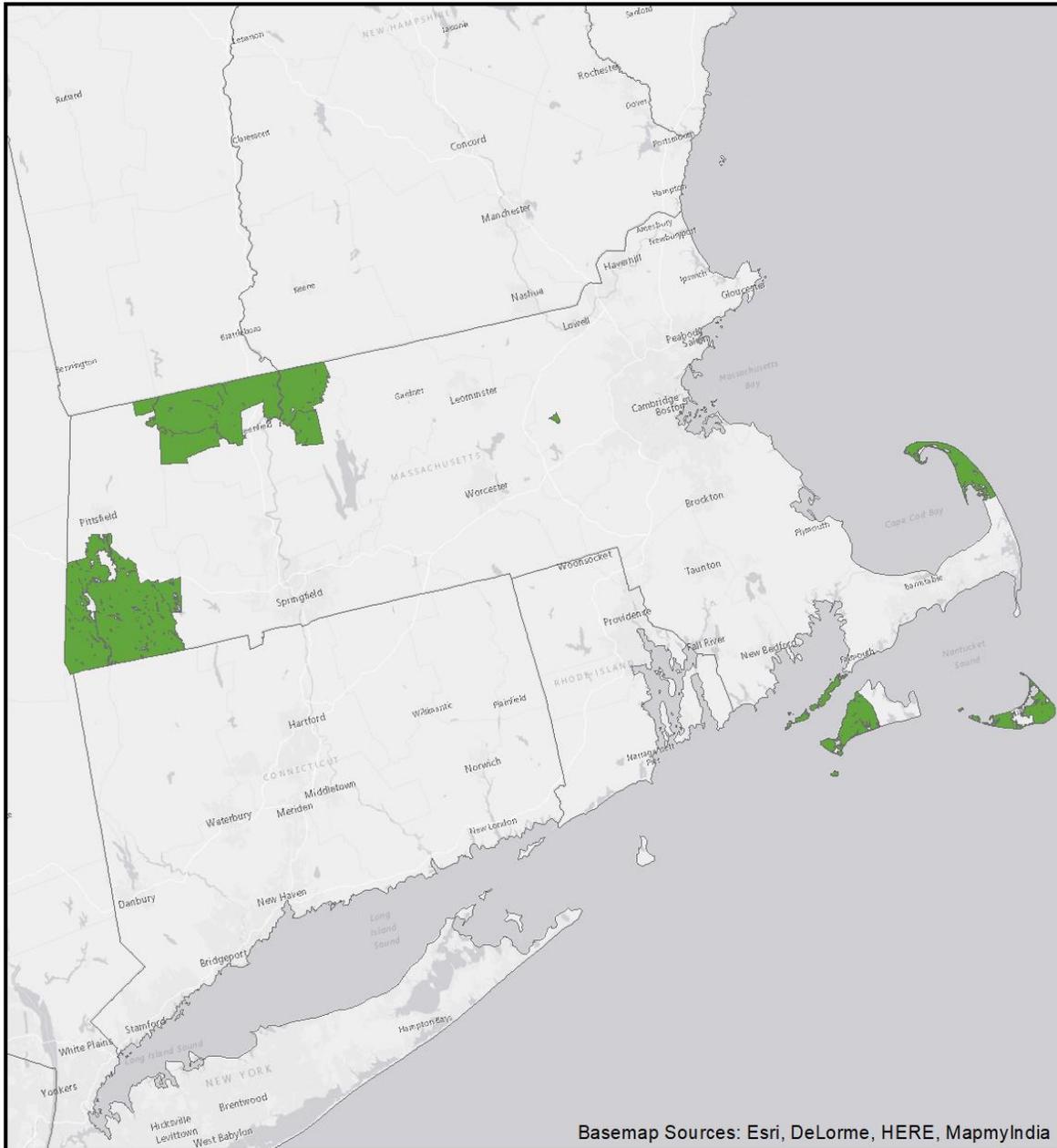
Percent Land Area Eligible: **20%**  
Total Land Area (sq. km.): **25,151**  
Total Eligible Land Area (sq. km.): **4,984**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Massachusetts

Massachusetts 5G Fund Option A Eligible Areas



Basemap Sources: Esri, DeLorme, HERE, MapmyIndia

Percent Population Eligible: **1%**  
Total Population: **6,547,629**  
Eligible Population: **46,591**

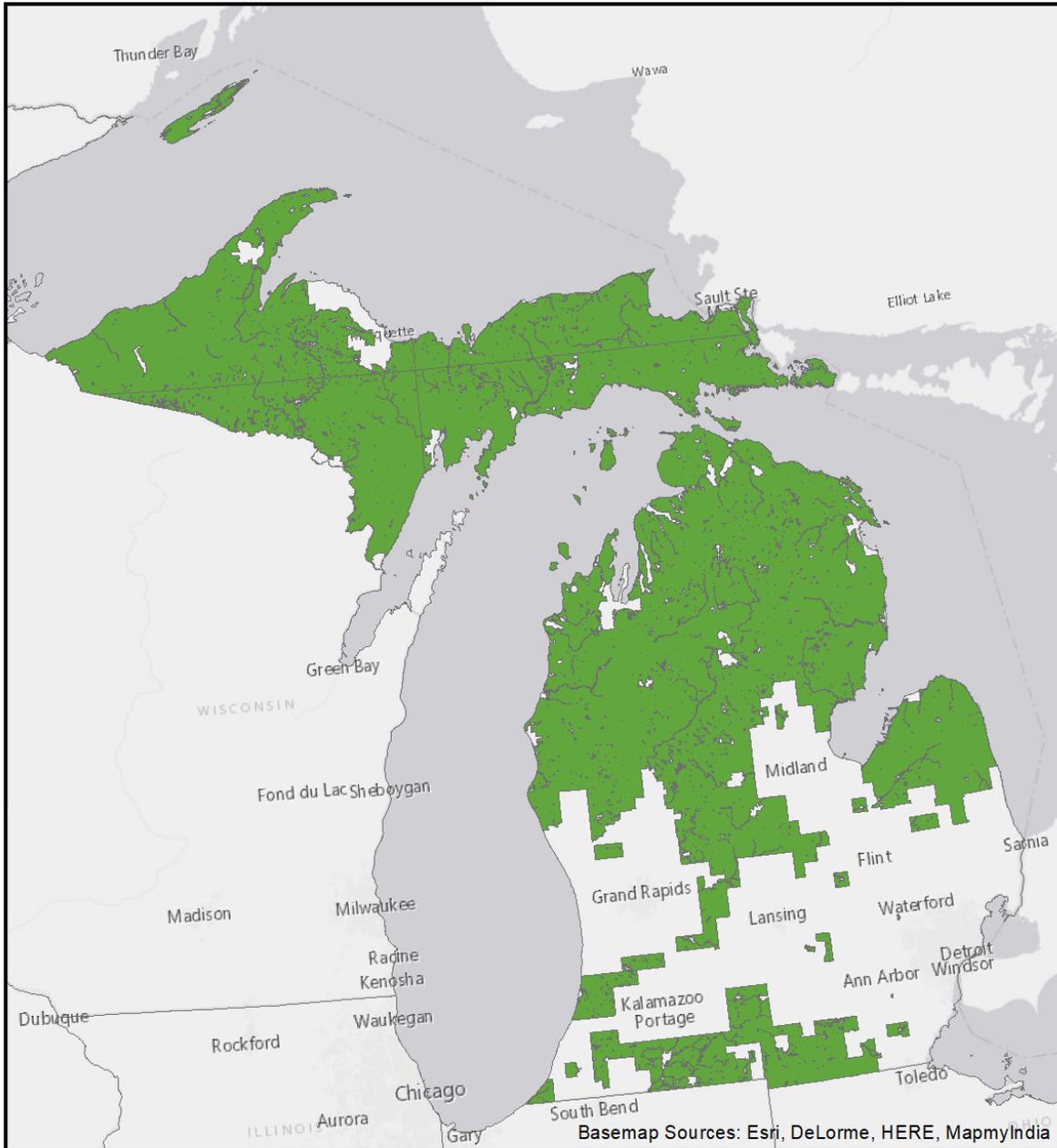
Percent Land Area Eligible: **12%**  
Total Land Area (sq. km.): **20,205**  
Total Eligible Land Area (sq. km.): **2,375**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

## Michigan

### Michigan 5G Fund Option A Eligible Areas



Percent Population Eligible: **11%**

Total Population: **9,883,638**

Eligible Population: **1,096,506**

Percent Land Area Eligible: **68%**

Total Land Area (sq. km.): **146,600**

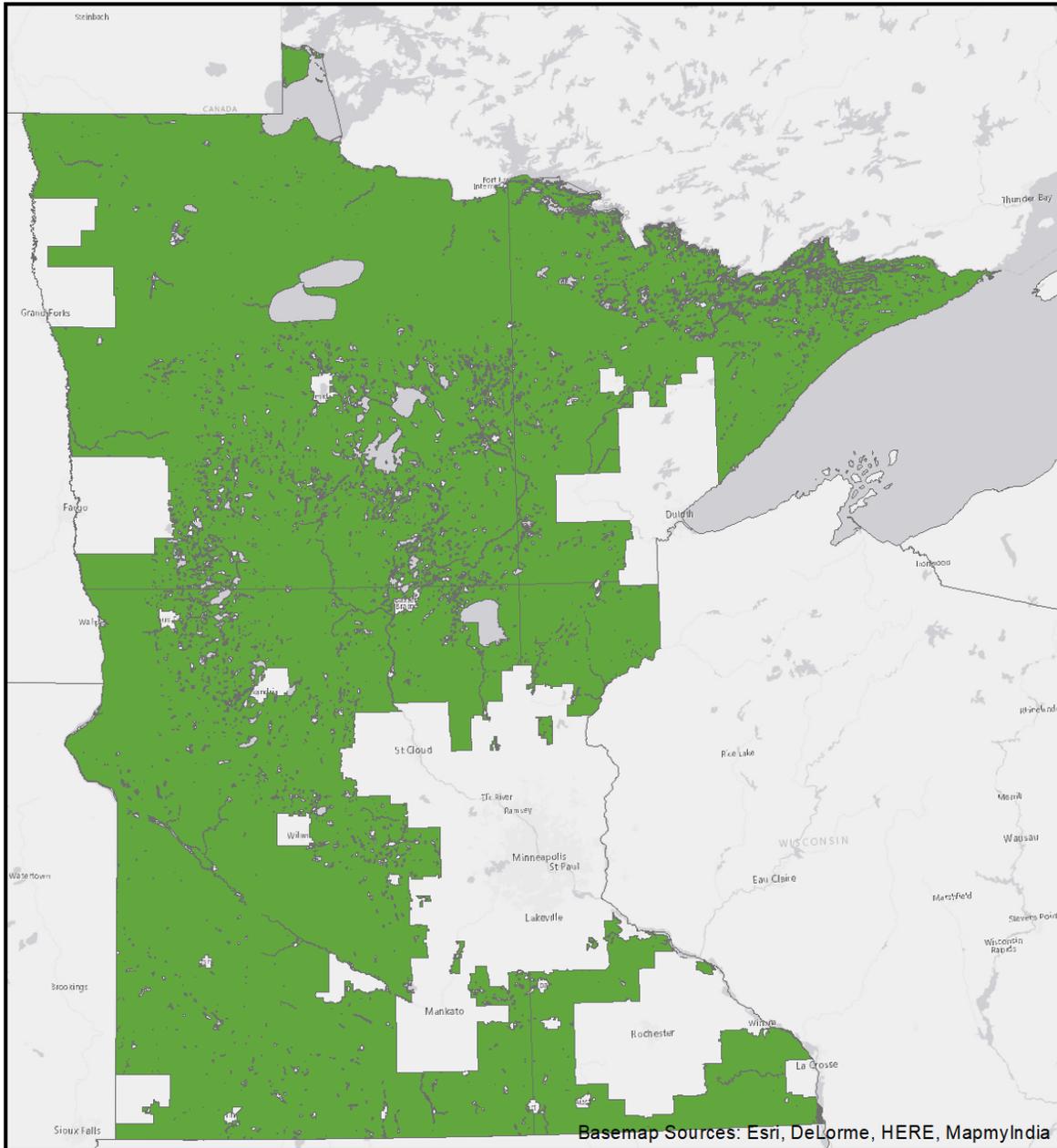
Total Eligible Land Area (sq. km.): **99,303**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Minnesota

Minnesota 5G Fund Option A Eligible Areas



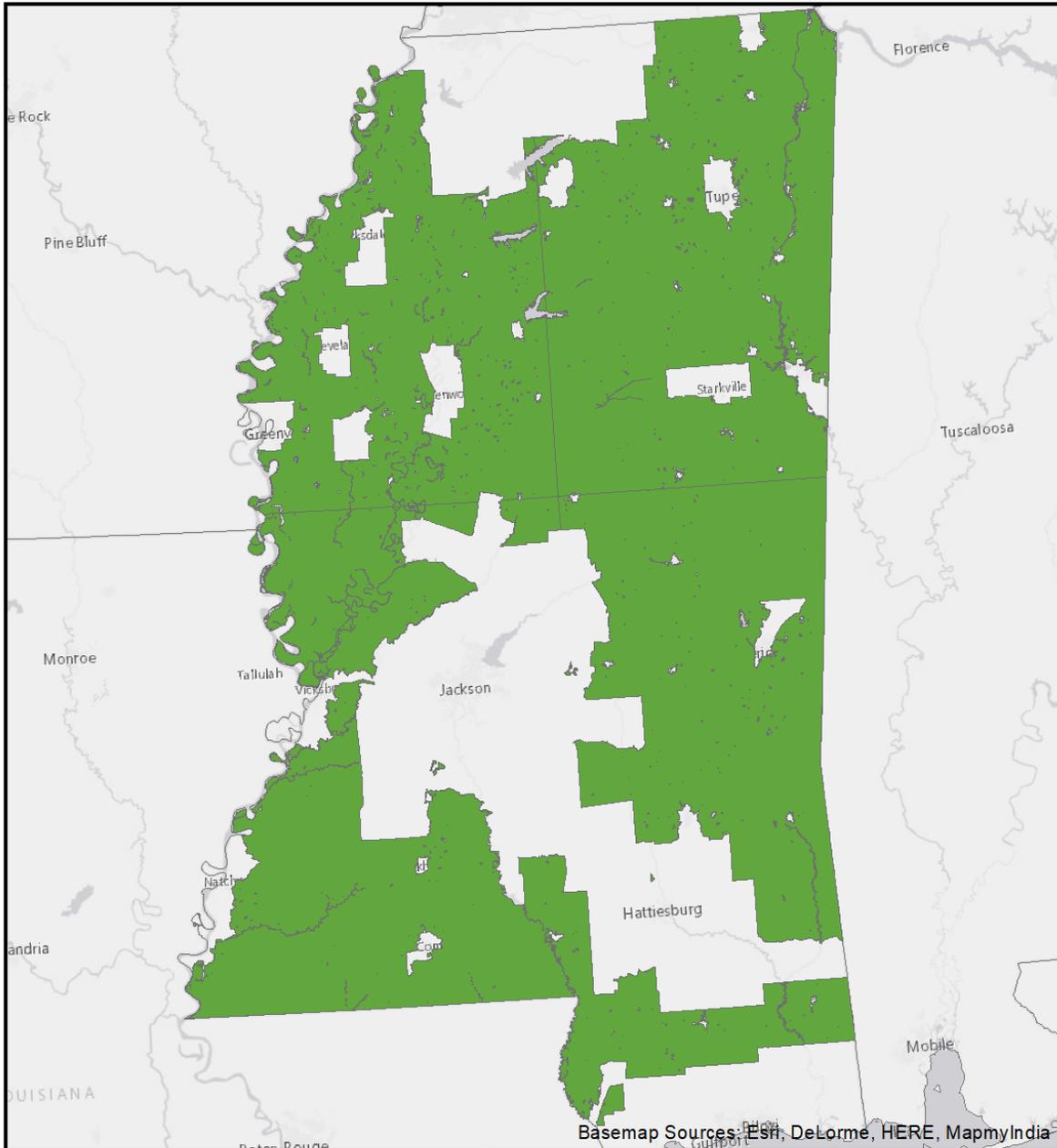
Percent Population Eligible: <b>16%</b>	Percent Land Area Eligible: <b>79%</b>
Total Population: <b>5,303,925</b>	Total Land Area (sq. km.): <b>206,228</b>
Eligible Population: <b>831,131</b>	Total Eligible Land Area (sq. km.): <b>162,894</b>



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

## Mississippi

### Mississippi 5G Fund Option A Eligible Areas



Percent Population Eligible: **31%**  
Total Population: **2,967,297**  
Eligible Population: **918,532**

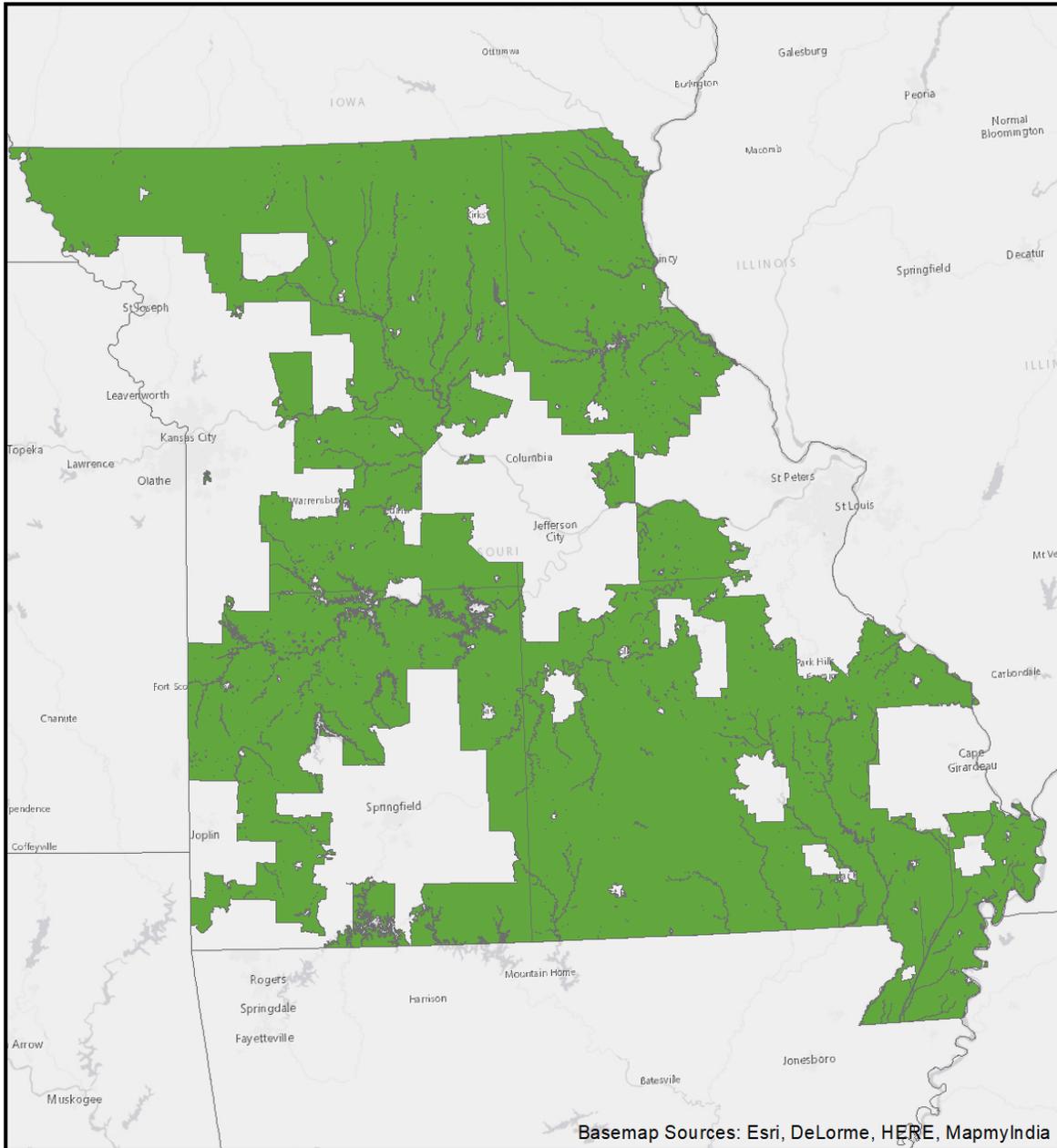
Percent Land Area Eligible: **69%**  
Total Land Area (sq. km.): **121,533**  
Total Eligible Land Area (sq. km.): **84,360**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Missouri

Missouri 5G Fund Option A Eligible Areas



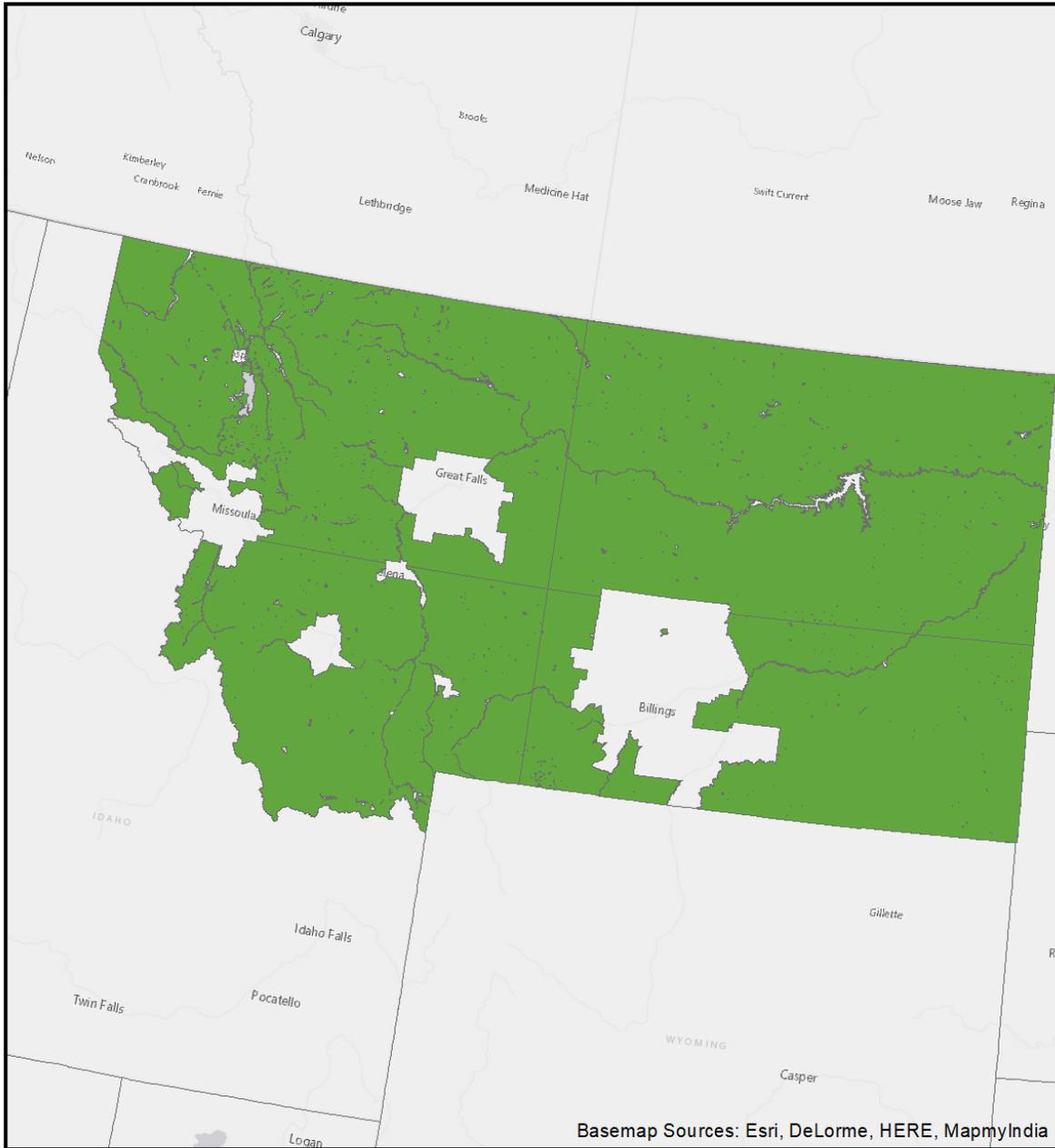
Percent Population Eligible: <b>15%</b>	Percent Land Area Eligible: <b>66%</b>
Total Population: <b>5,988,921</b>	Total Land Area (sq. km.): <b>178,050</b>
Eligible Population: <b>907,693</b>	Total Eligible Land Area (sq. km.): <b>117,679</b>



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Montana

Montana 5G Fund Option A Eligible Areas



Percent Population Eligible: **33%**  
Total Population: **989,415**  
Eligible Population: **324,685**

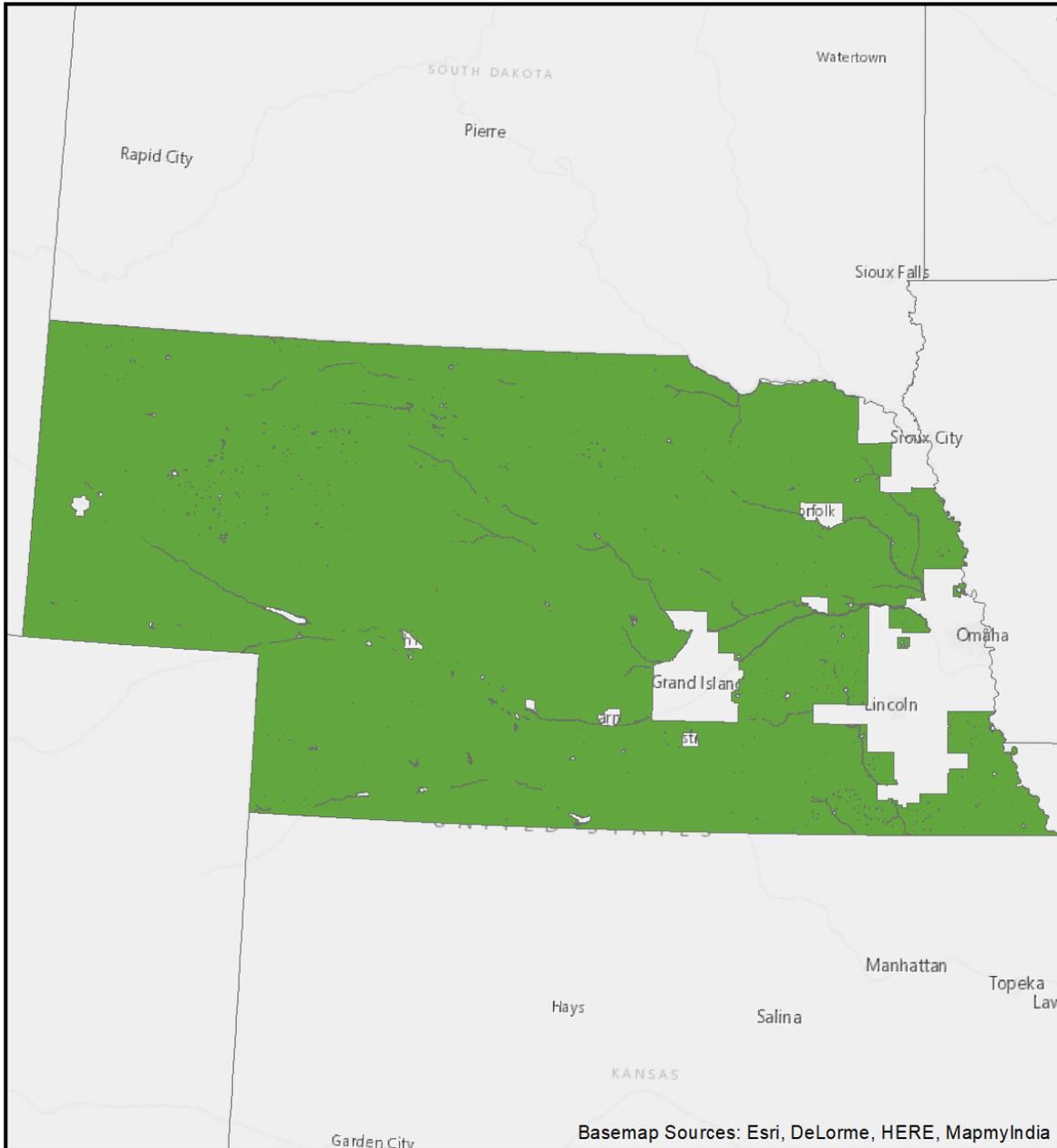
Percent Land Area Eligible: **89%**  
Total Land Area (sq. km.): **376,965**  
Total Eligible Land Area (sq. km.): **337,353**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Nebraska

### Nebraska 5G Fund Option A Eligible Areas



Percent Population Eligible: **19%**  
Total Population: **1,826,341**  
Eligible Population: **355,060**

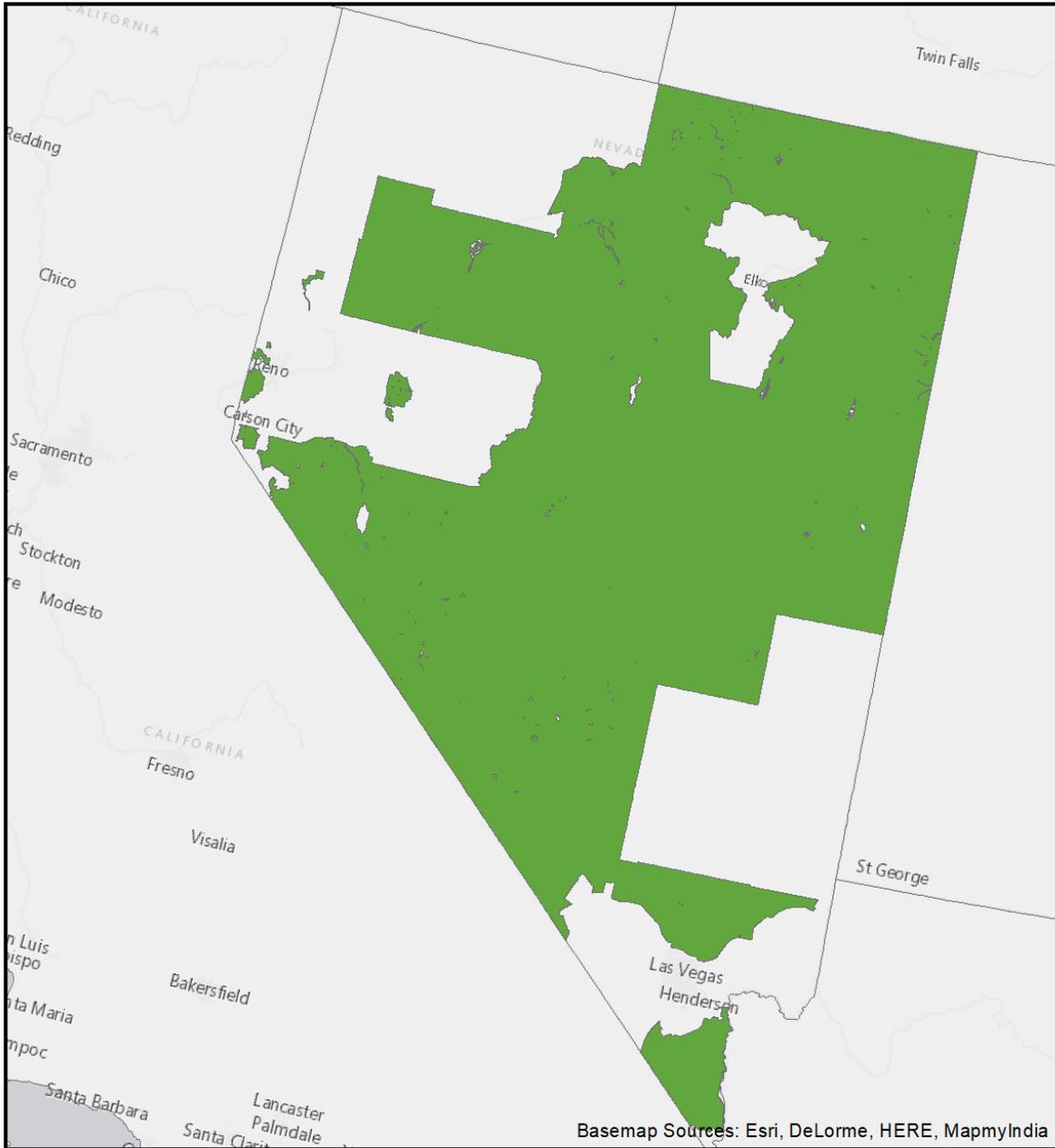
Percent Land Area Eligible: **92%**  
Total Land Area (sq. km.): **198,956**  
Total Eligible Land Area (sq. km.): **182,099**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Nevada

Nevada 5G Fund Option A Eligible Areas



Percent Population Eligible: **2%**  
Total Population: **2,700,551**  
Eligible Population: **60,414**

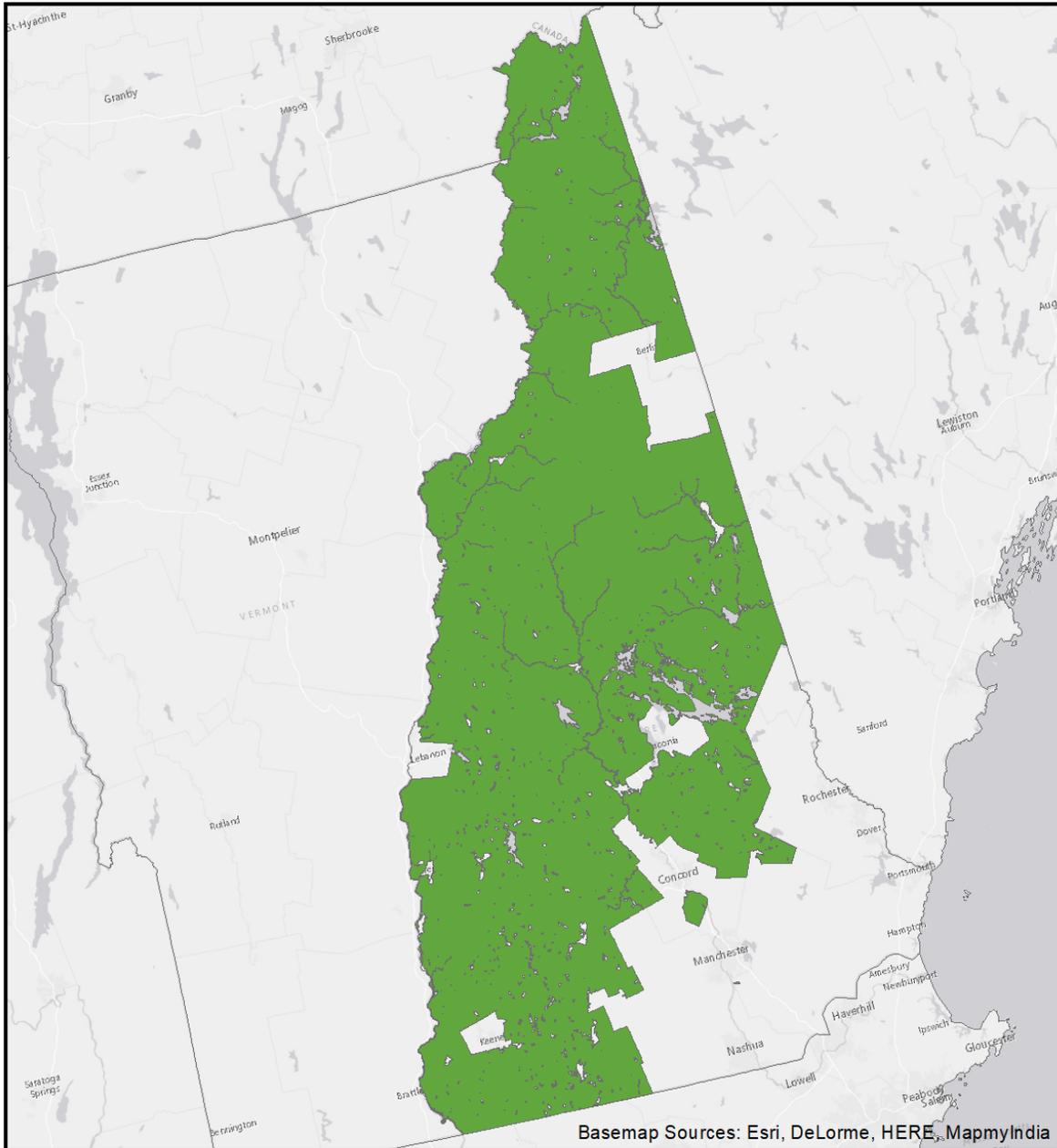
Percent Land Area Eligible: **65%**  
Total Land Area (sq. km.): **284,329**  
Total Eligible Land Area (sq. km.): **184,563**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

## New Hampshire

### New Hampshire 5G Fund Option A Eligible Areas



Percent Population Eligible: **24%**

Total Population: **1,316,470**

Eligible Population: **310,252**

Percent Land Area Eligible: **74%**

Total Land Area (sq. km.): **23,189**

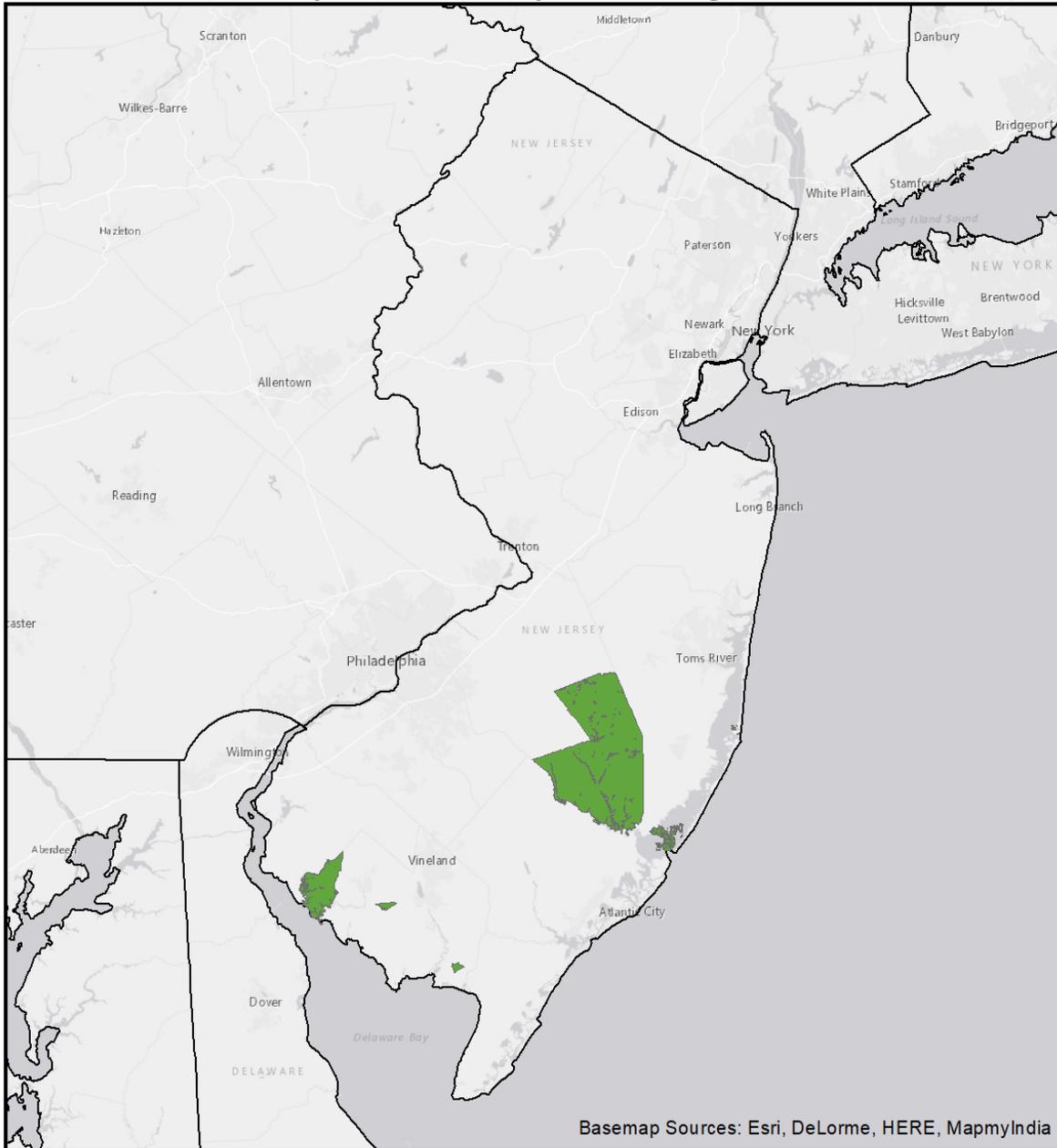
Total Eligible Land Area (sq. km.): **17,249**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

New Jersey

New Jersey 5G Fund Option A Eligible Areas



Percent Population Eligible: **0%**  
Total Population: **8,791,875**  
Eligible Population: **11,566**

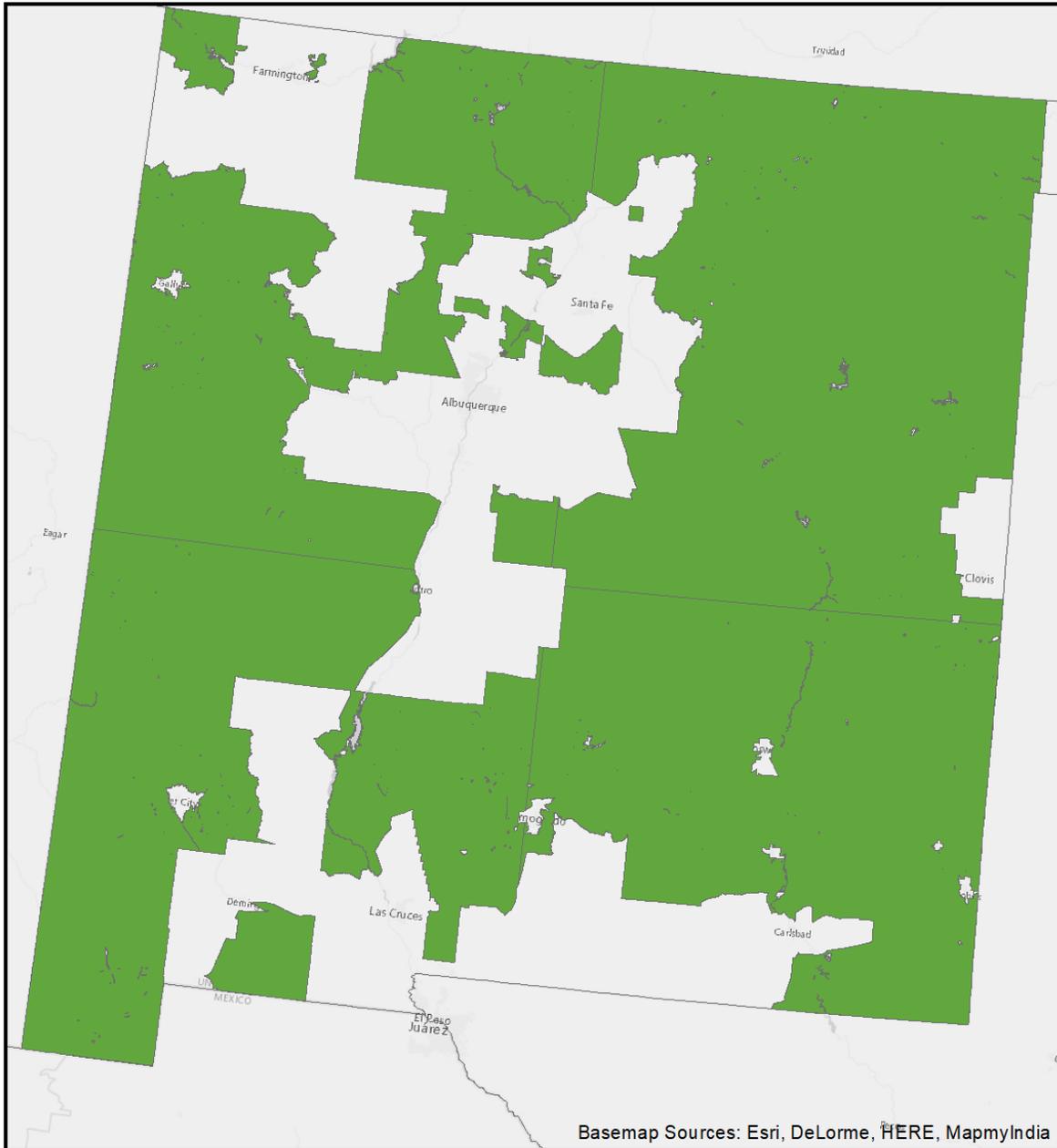
Percent Land Area Eligible: **4%**  
Total Land Area (sq. km.): **23,189**  
Total Eligible Land Area (sq. km.): **17,249**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

New Mexico

New Mexico 5G Fund Option A Eligible Areas



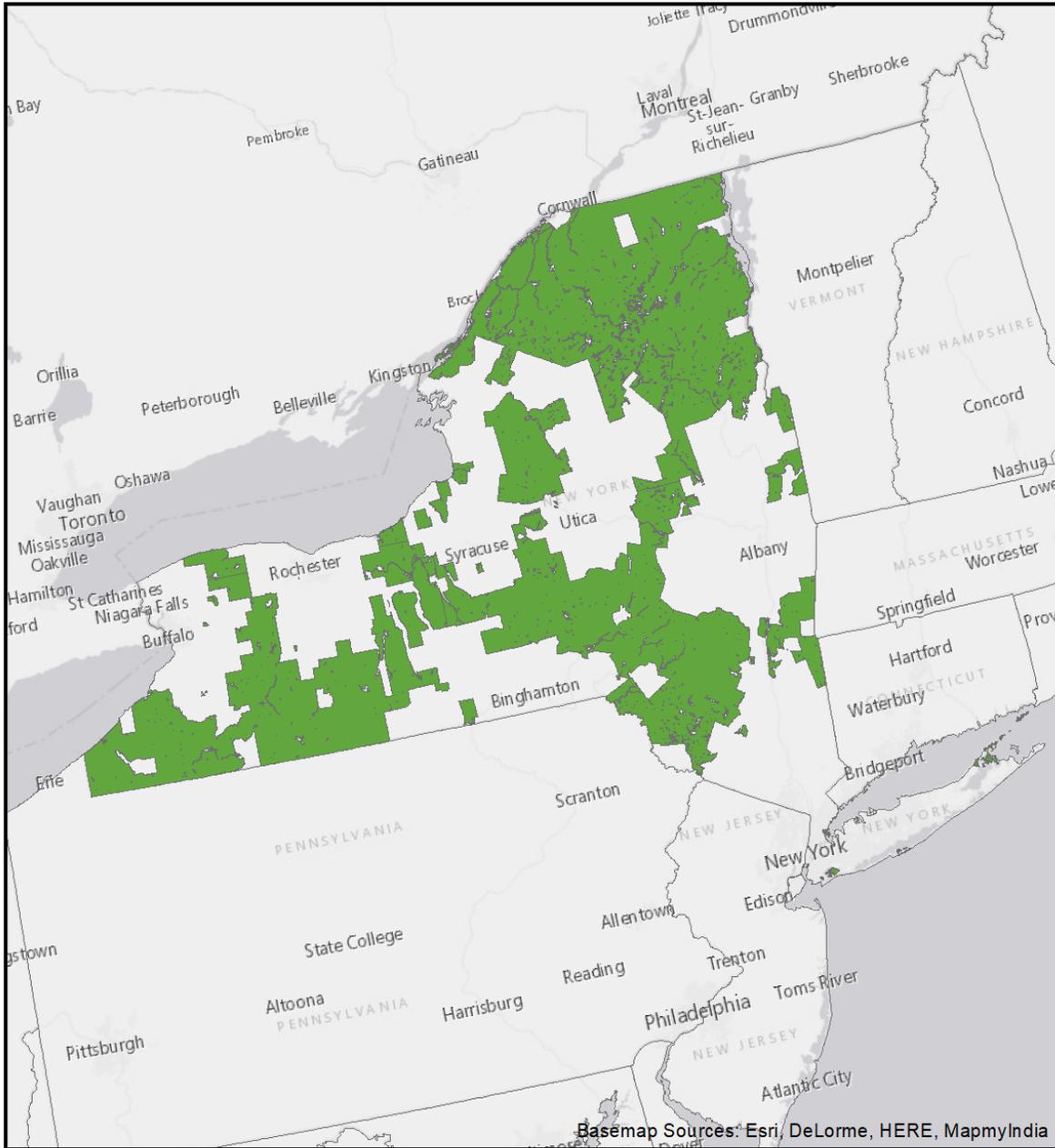
Percent Population Eligible: <b>10%</b>	Percent Land Area Eligible: <b>73%</b>
Total Population: <b>2,059,179</b>	Total Land Area (sq. km.): <b>314,194</b>
Eligible Population: <b>214,282</b>	Total Eligible Land Area (sq. km.): <b>228,011</b>



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

New York

New York 5G Fund Option A Eligible Areas



Percent Population Eligible: **5%**  
Total Population: **19,378,102**  
Eligible Population: **910,102**

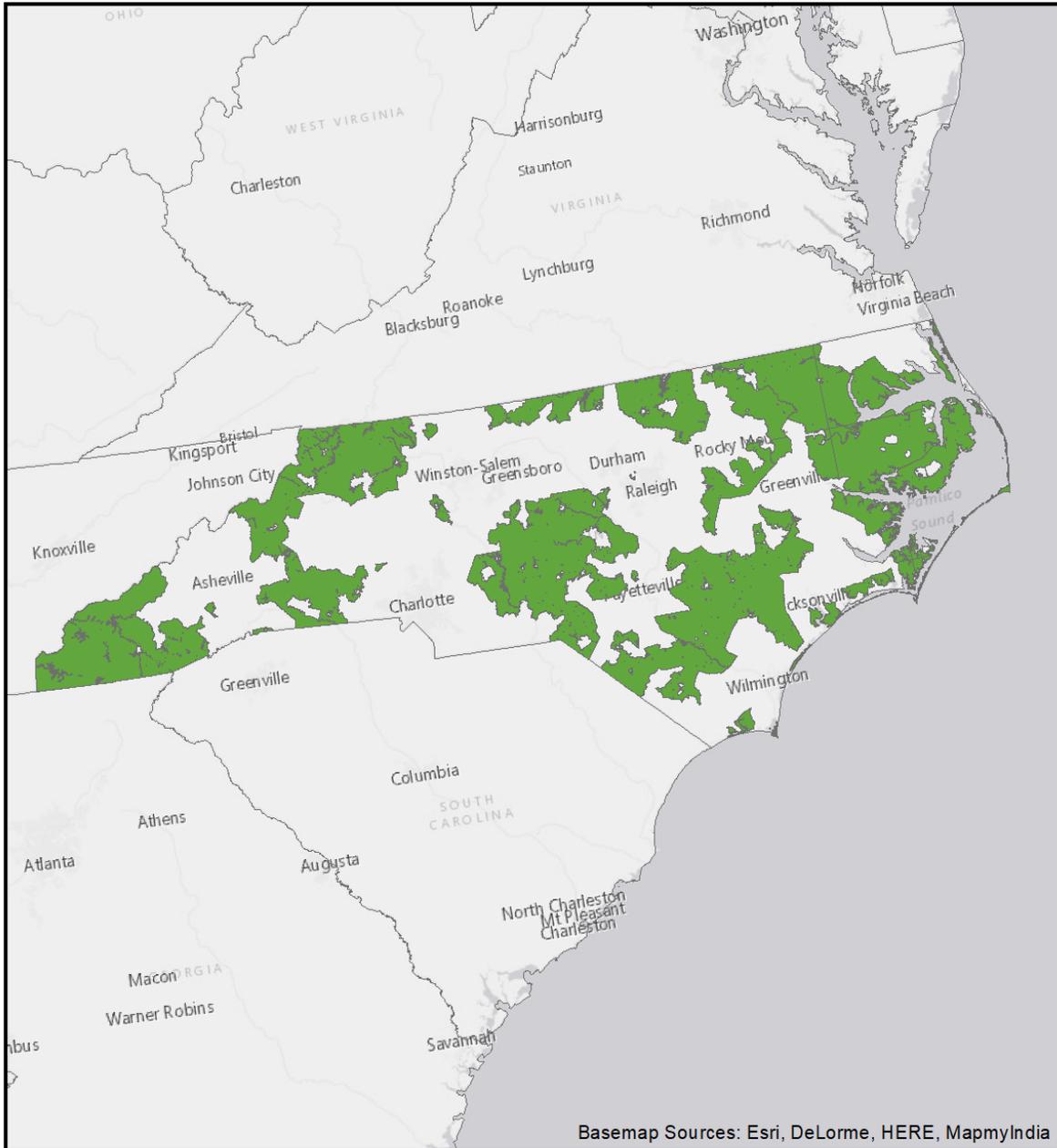
Percent Land Area Eligible: **50%**  
Total Land Area (sq. km.): **122,049**  
Total Eligible Land Area (sq. km.): **60,748**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

North Carolina

North Carolina 5G Fund Option A Eligible Areas



Percent Population Eligible: **12%**  
Total Population: **9,535,478**  
Eligible Population: **1,187,971**

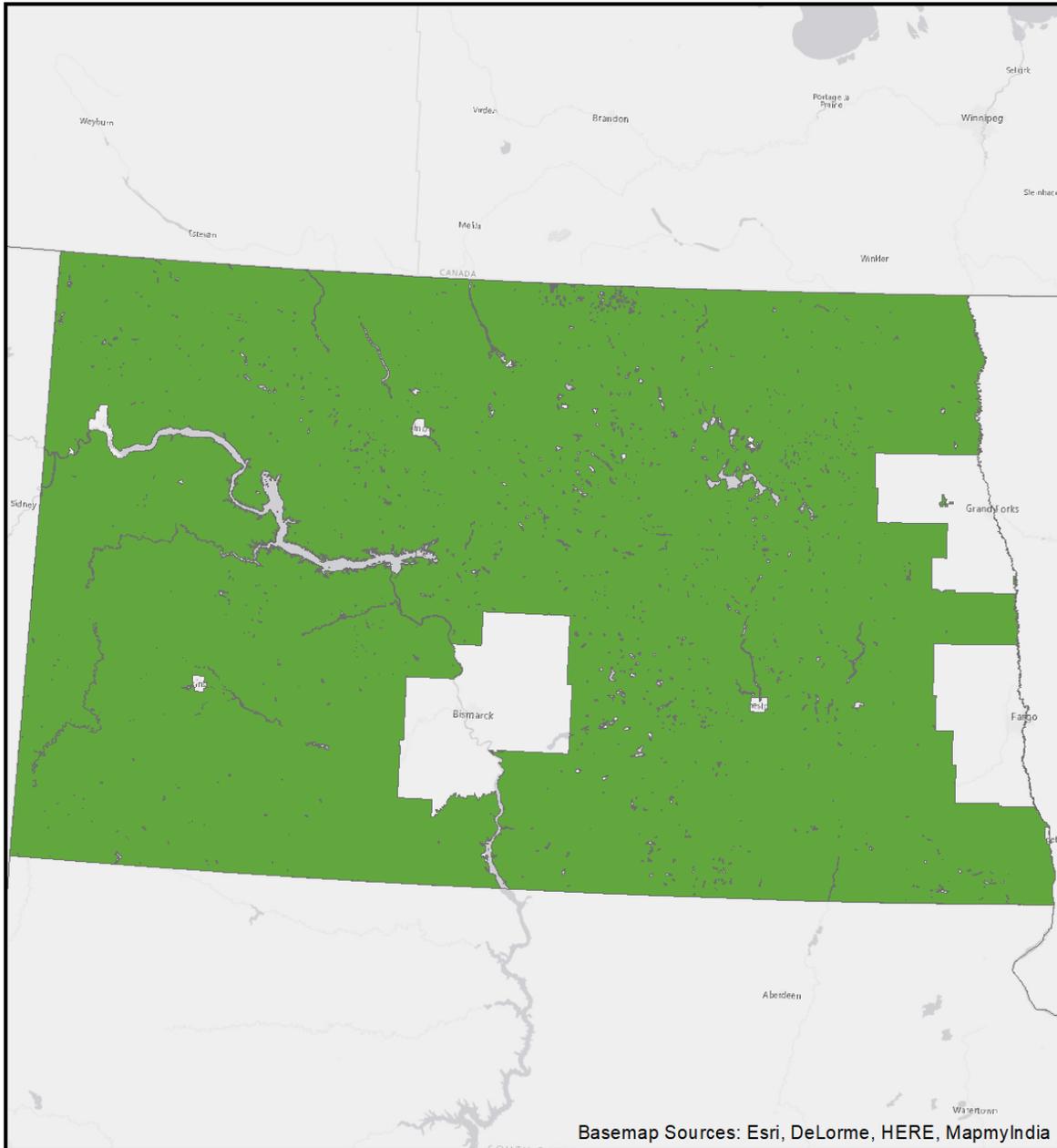
Percent Land Area Eligible: **45%**  
Total Land Area (sq. km.): **125,923**  
Total Eligible Land Area (sq. km.): **56,868**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

North Dakota

North Dakota 5G Fund Option A Eligible Areas



Percent Population Eligible: **33%**  
Total Population: **672,591**  
Eligible Population: **218,929**

Percent Land Area Eligible: **91%**  
Total Land Area (sq. km.): **178,705**  
Total Eligible Land Area (sq. km.): **163,461**

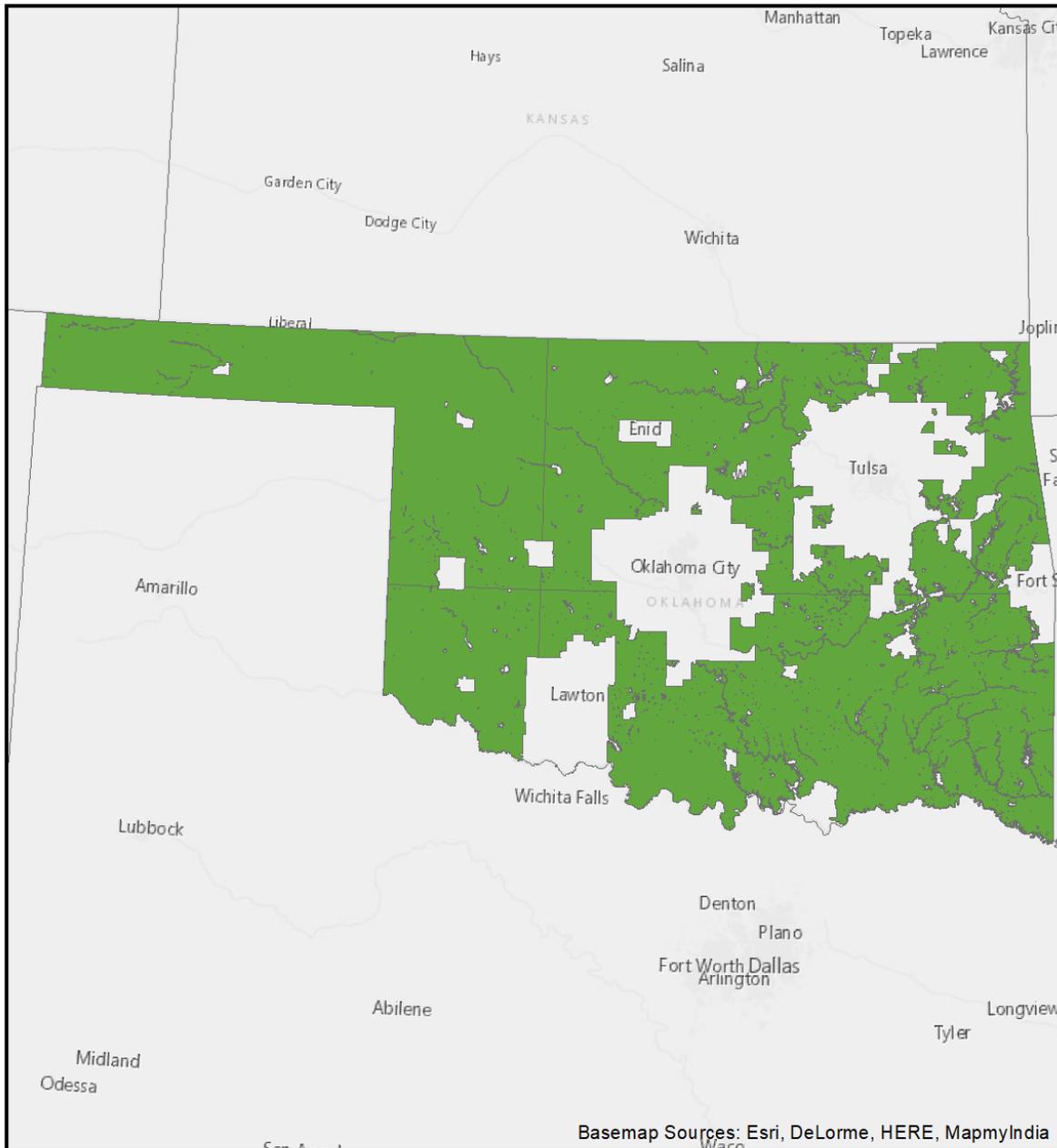


Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service



Oklahoma

Oklahoma 5G Fund Option A Eligible Areas



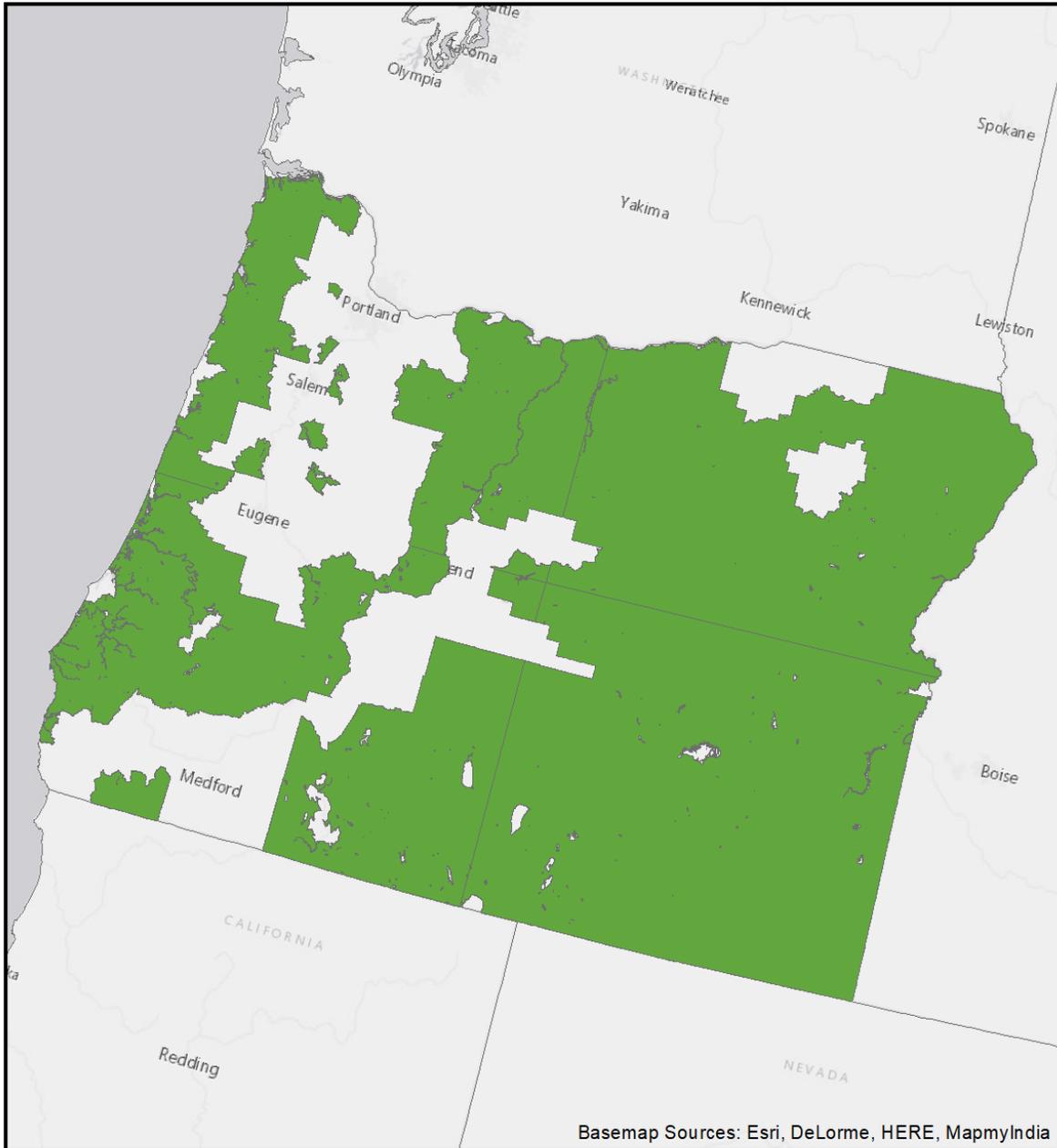
Percent Population Eligible: <b>19%</b>	Percent Land Area Eligible: <b>78%</b>
Total Population: <b>3,751,351</b>	Total Land Area (sq. km.): <b>177,662</b>
Eligible Population: <b>710,933</b>	Total Eligible Land Area (sq. km.): <b>139,363</b>



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Oregon

Oregon 5G Fund Option A Eligible Areas



Percent Population Eligible: **8%**  
Total Population: **3,831,074**  
Eligible Population: **292,374**

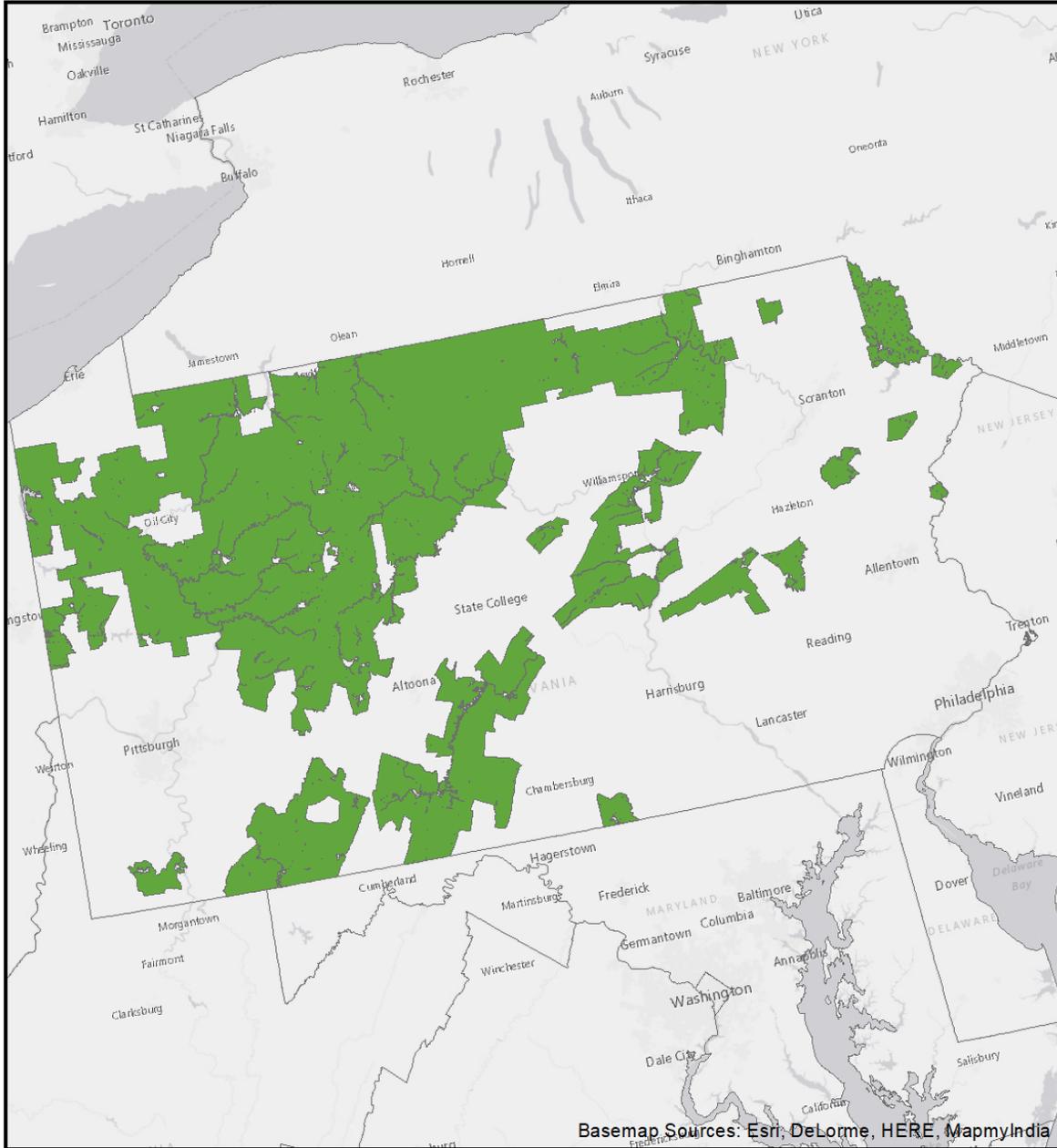
Percent Land Area Eligible: **76%**  
Total Land Area (sq. km.): **248,607**  
Total Eligible Land Area (sq. km.): **189,450**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Pennsylvania

Pennsylvania 5G Fund Option A Eligible Areas



Percent Population Eligible: **6%**  
Total Population: **12,702,379**  
Eligible Population: **717,228**

Percent Land Area Eligible: **38%**  
Total Land Area (sq. km.): **115,884**  
Total Eligible Land Area (sq. km.): **43,551**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Rhode Island

Rhode Island 5G Fund Option A Eligible Areas



Percent Population Eligible: **0%**  
Total Population: **1,052,567**  
Eligible Population: **1,051**

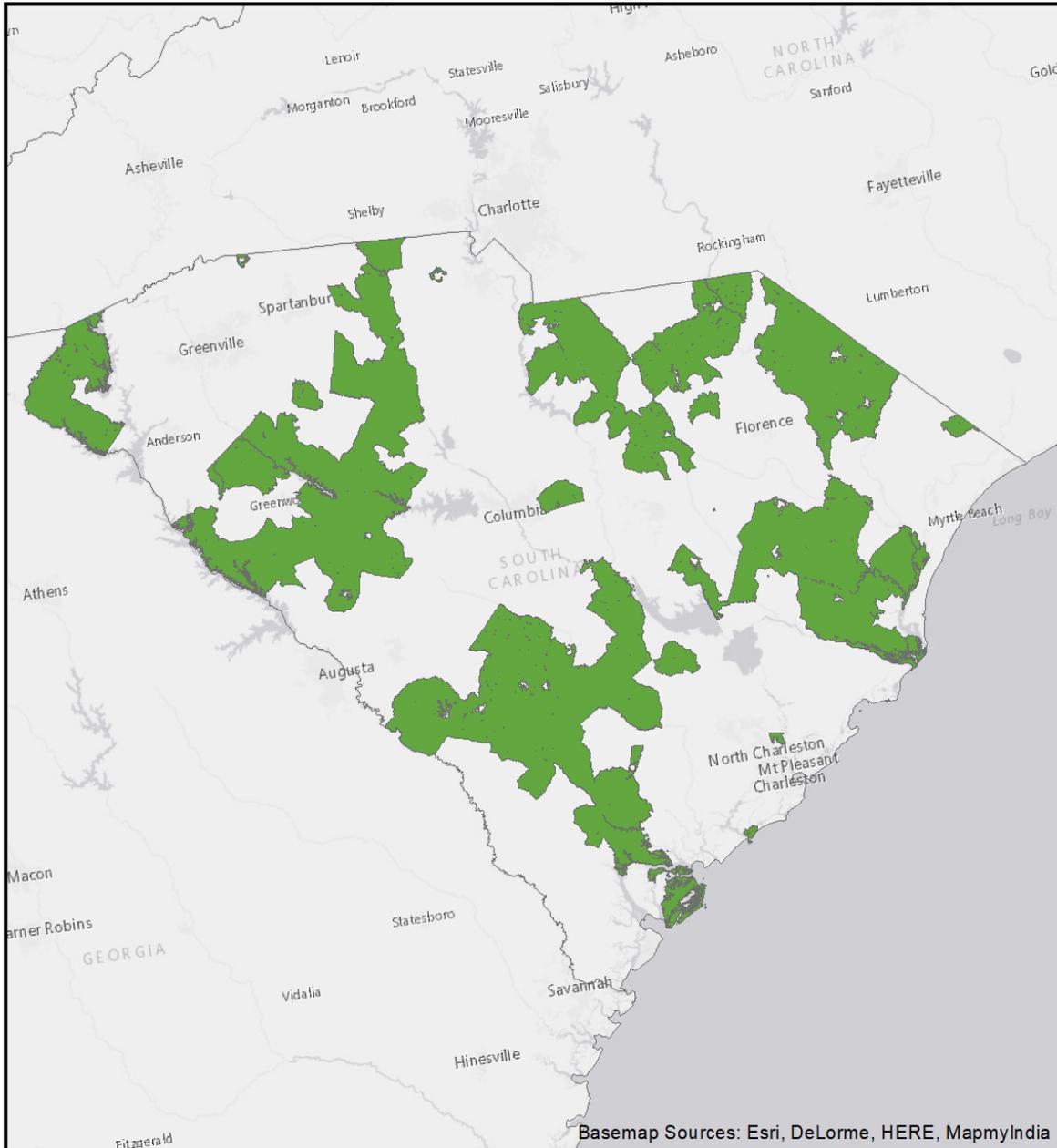
Percent Land Area Eligible: **1%**  
Total Land Area (sq. km.): **2,677**  
Total Eligible Land Area (sq. km.): **23**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

South Carolina

South Carolina 5G Fund Option A Eligible Areas



Percent Population Eligible: **9%**  
Total Population: **4,625,351**  
Eligible Population: **424,520**

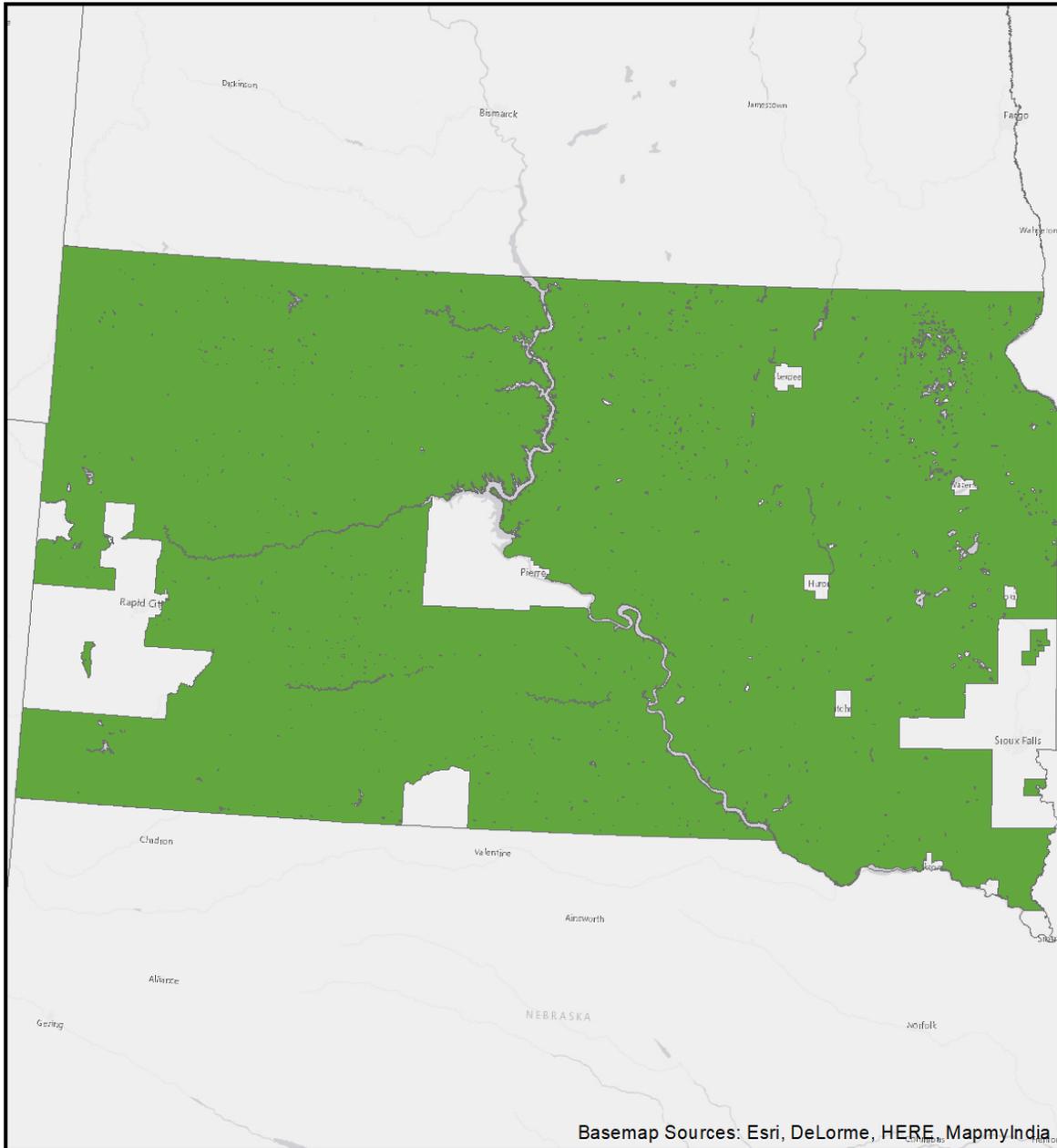
Percent Land Area Eligible: **33%**  
Total Land Area (sq. km.): **77,864**  
Total Eligible Land Area (sq. km.): **26,082**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

South Dakota

South Dakota 5G Fund Option A Eligible Areas



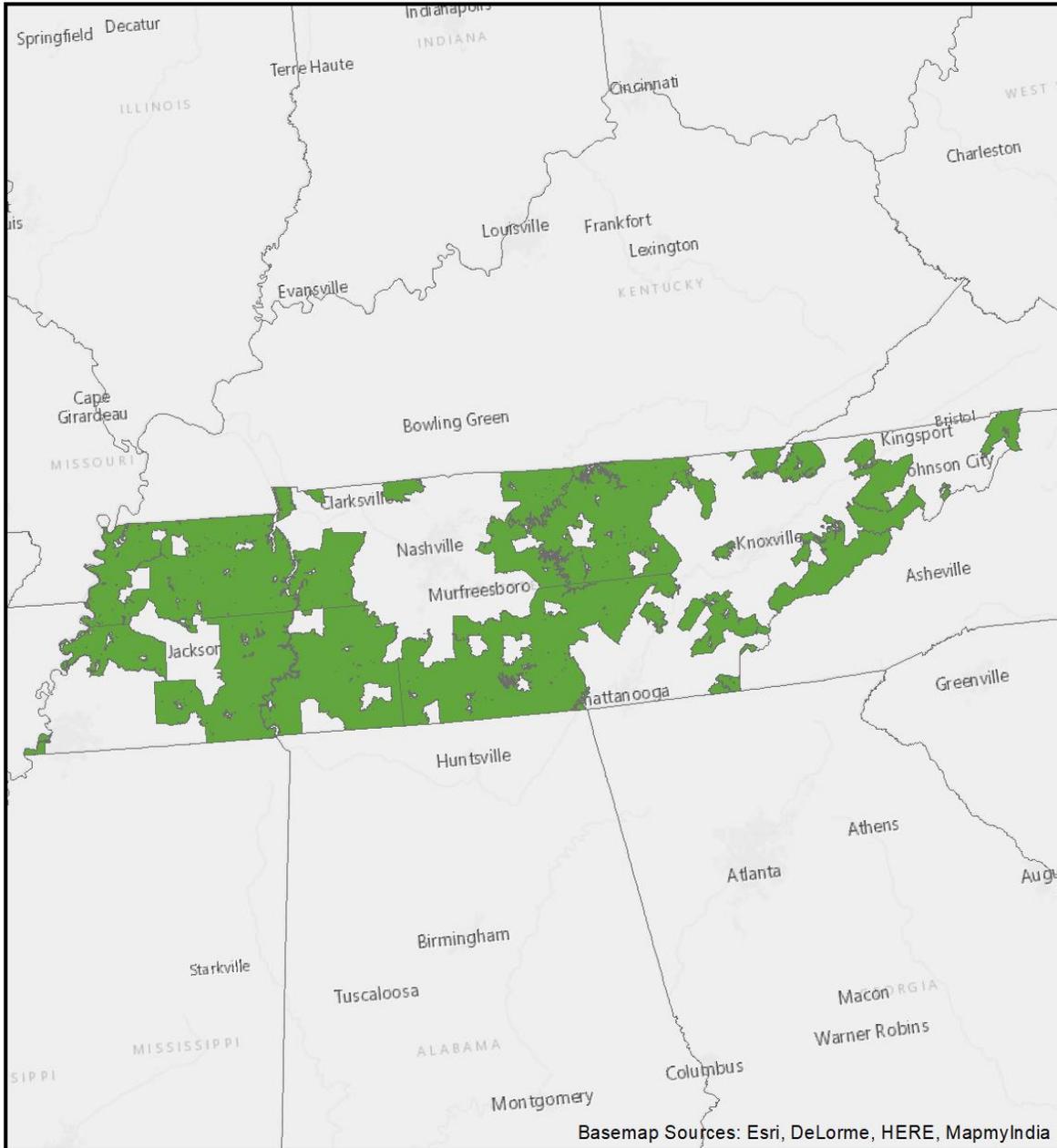
Percent Population Eligible: <b>32%</b>	Percent Land Area Eligible: <b>90%</b>
Total Population: <b>814,180</b>	Total Land Area (sq. km.): <b>196,346</b>
Eligible Population: <b>263,300</b>	Total Eligible Land Area (sq. km.): <b>176,920</b>



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Tennessee

Tennessee 5G Fund Option A Eligible Areas



Percent Population Eligible: **15%**  
Total Population: **6,346,105**  
Eligible Population: **933,481**

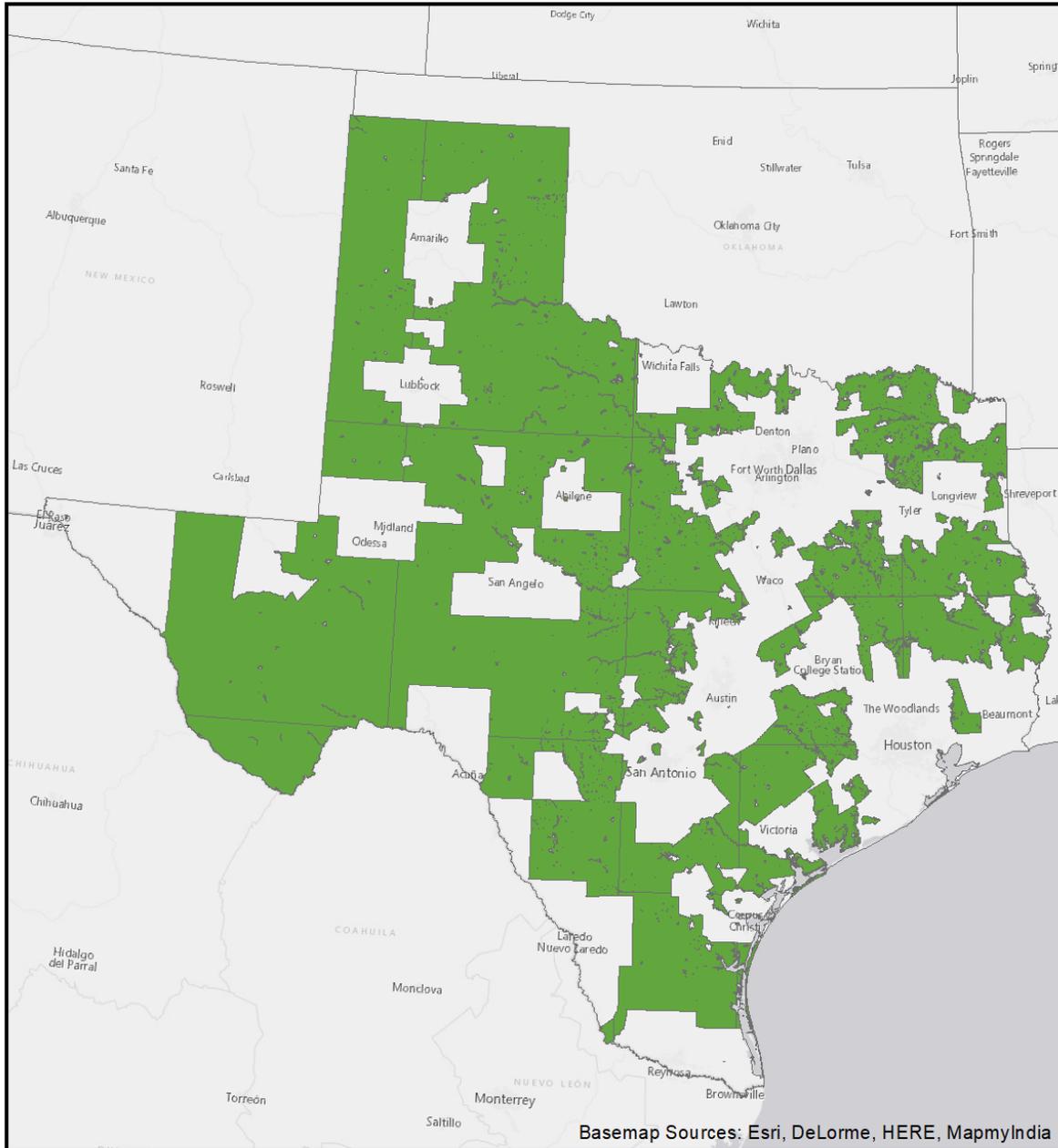
Percent Land Area Eligible: **53%**  
Total Land Area (sq. km.): **106,802**  
Total Eligible Land Area (sq. km.): **57,094**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Texas

### Texas 5G Fund Option A Eligible Areas



Percent Population Eligible: **5%**  
Total Population: **25,145,561**  
Eligible Population: **1,248,594**

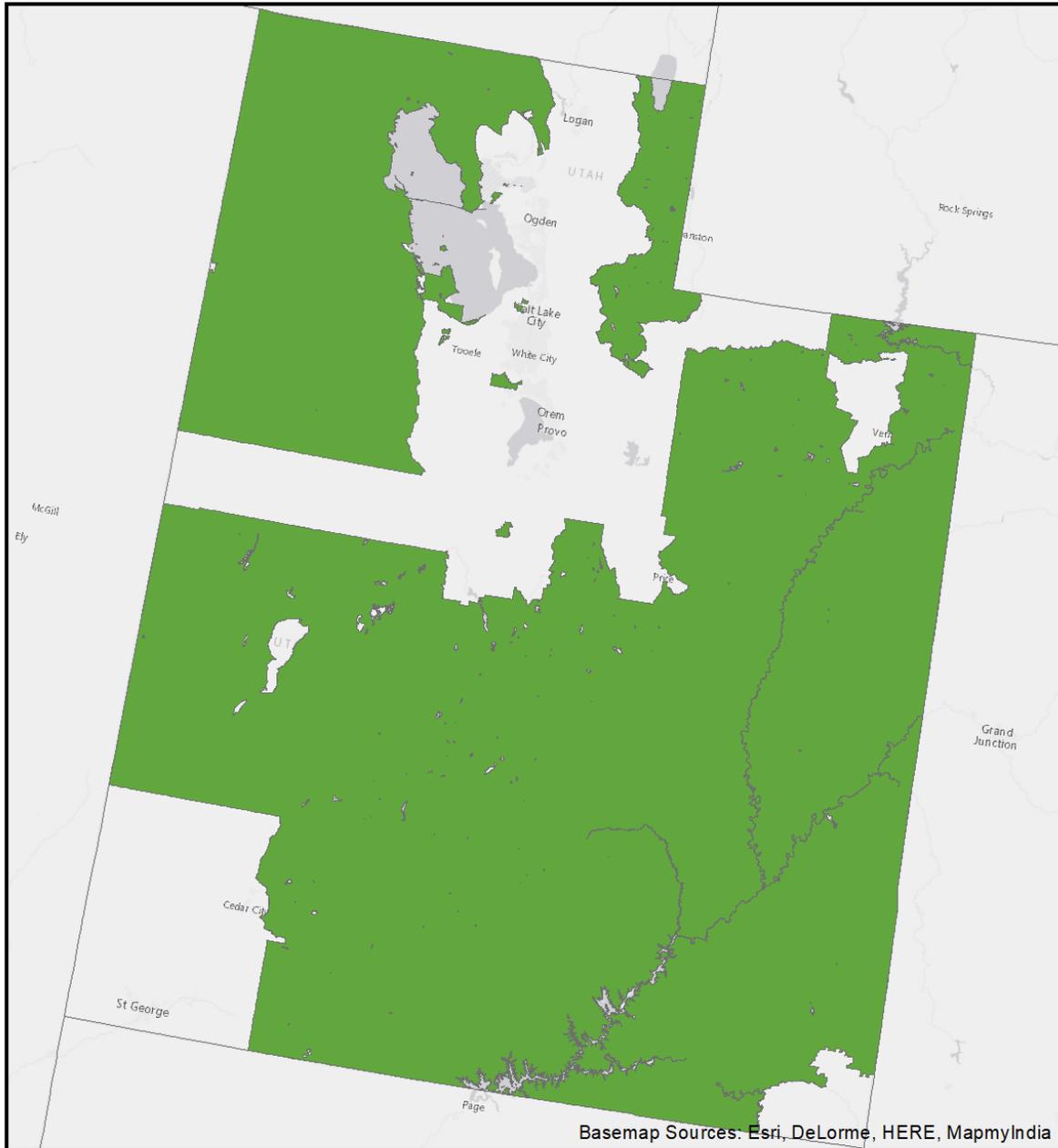
Percent Land Area Eligible: **61%**  
Total Land Area (sq. km.): **676,653**  
Total Eligible Land Area (sq. km.): **415,886**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Utah

Utah 5G Fund Option A Eligible Areas



Basemap Sources: Esri, DeLorme, HERE, MapmyIndia

Percent Population Eligible: **4%**  
Total Population: **2,763,885**  
Eligible Population: **119,140**

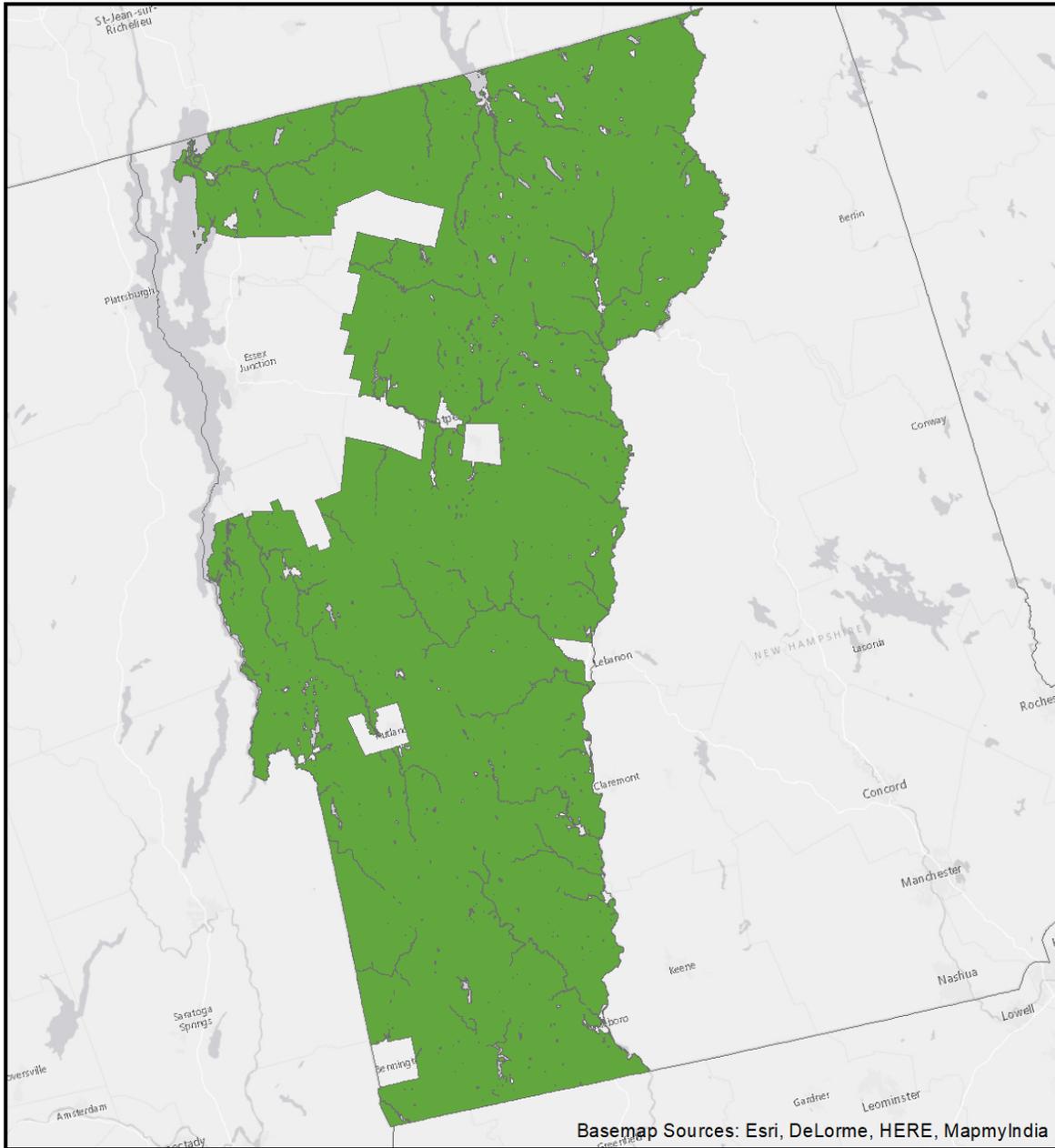
Percent Land Area Eligible: **76%**  
Total Land Area (sq. km.): **212,885**  
Total Eligible Land Area (sq. km.): **162,222**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Vermont

Vermont 5G Fund Option A Eligible Areas



Percent Population Eligible: **47%**  
Total Population: **625,741**  
Eligible Population: **293,897**

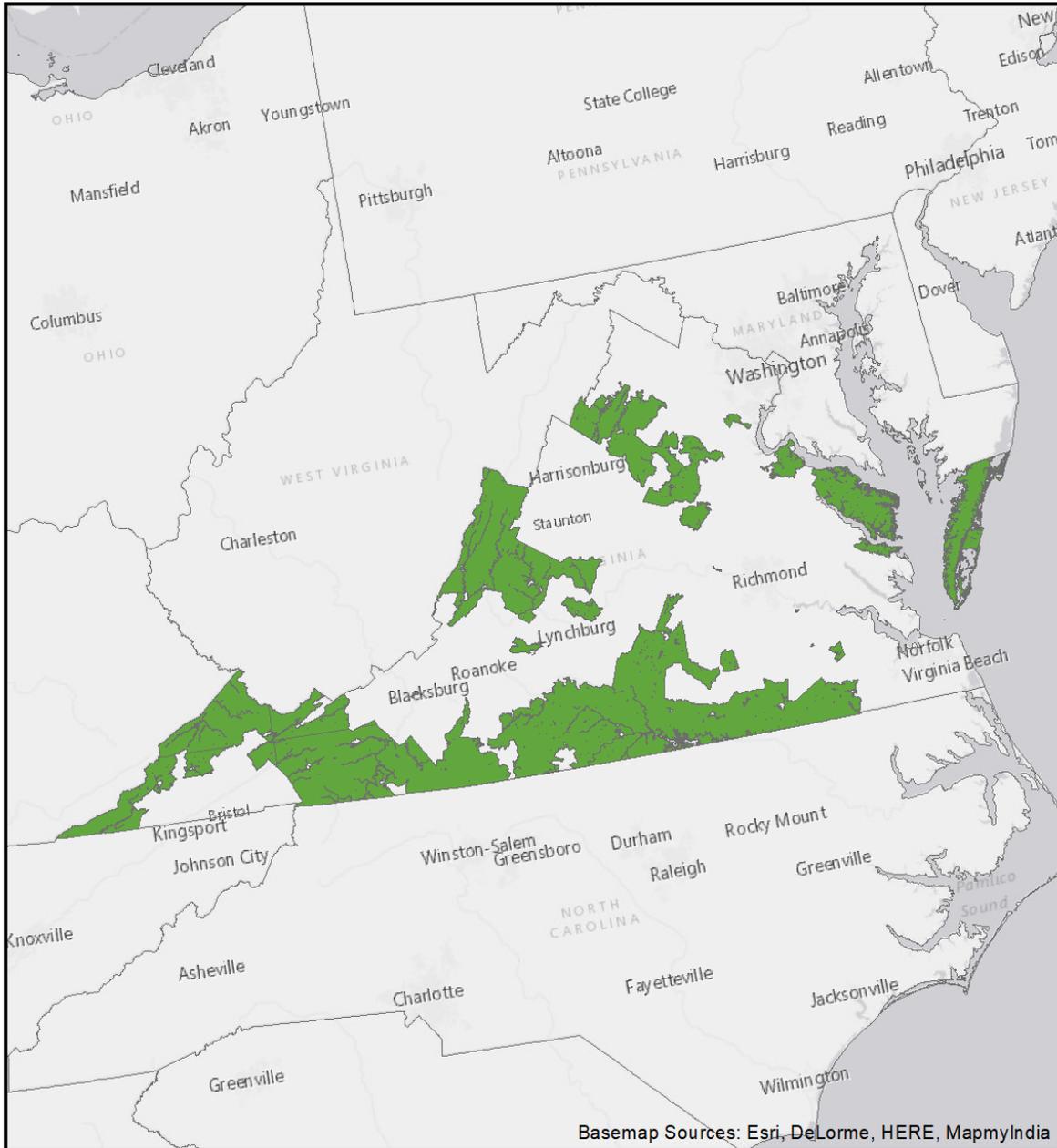
Percent Land Area Eligible: **85%**  
Total Land Area (sq. km.): **23,874**  
Total Eligible Land Area (sq. km.): **20,352**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Virginia

Virginia 5G Fund Option A Eligible Areas



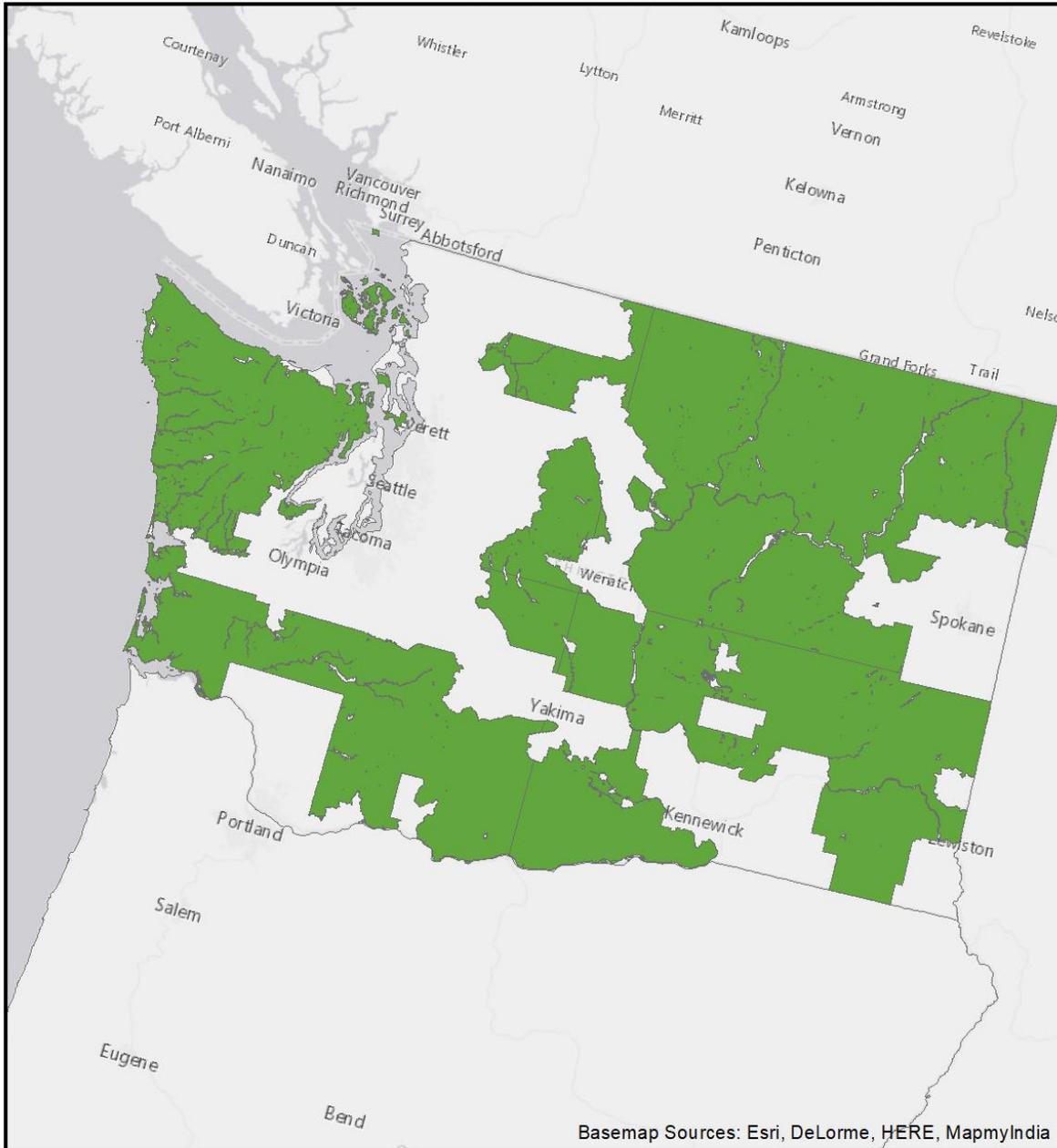
Percent Population Eligible: <b>8%</b>	Percent Land Area Eligible: <b>38%</b>
Total Population: <b>8,001,024</b>	Total Land Area (sq. km.): <b>102,257</b>
Eligible Population: <b>673,143</b>	Total Eligible Land Area (sq. km.): <b>38,581</b>



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Washington

Washington 5G Fund Option A Eligible Areas



Percent Population Eligible: **5%**  
Total Population: **6,724,540**  
Eligible Population: **354,556**

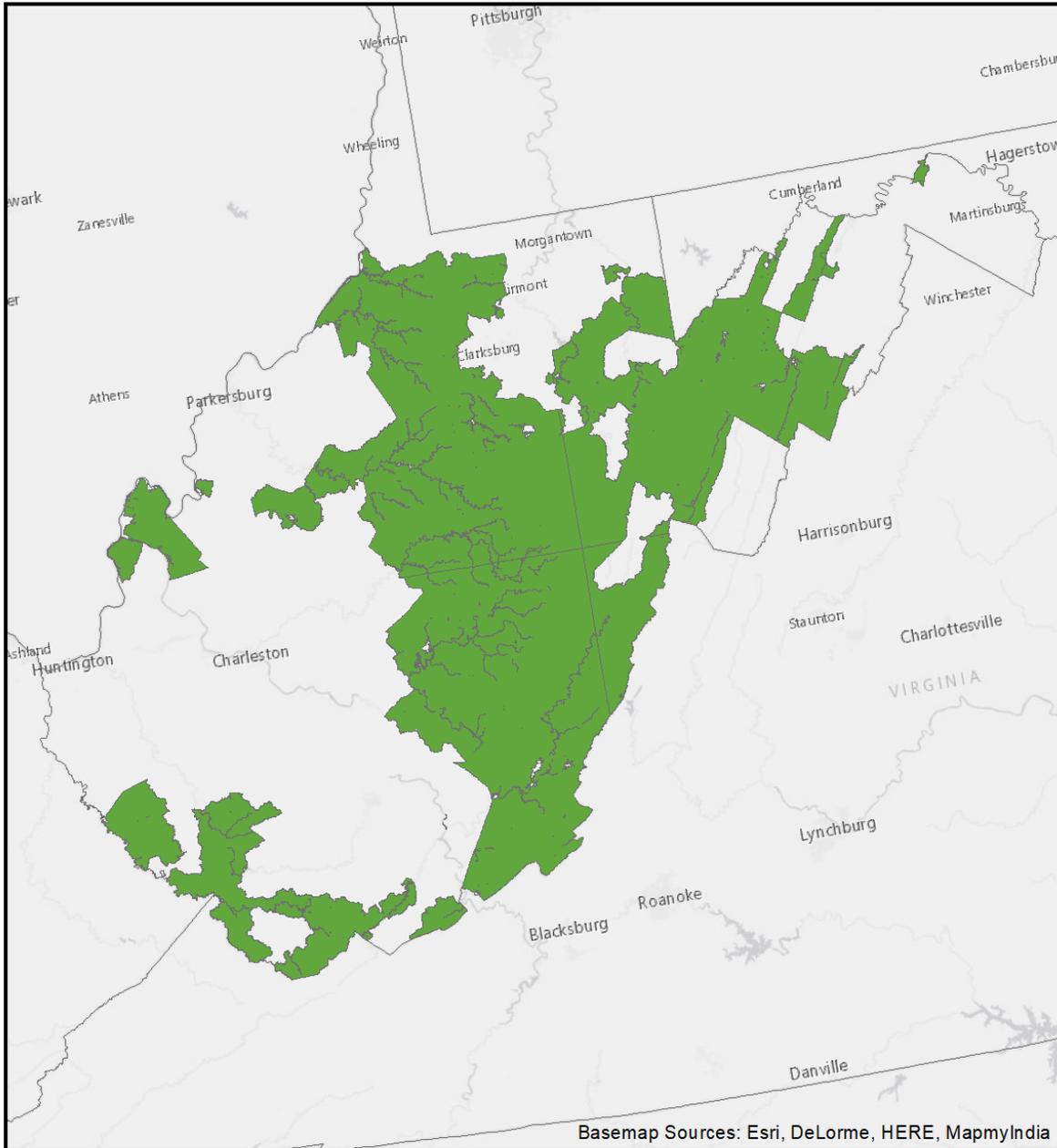
Percent Land Area Eligible: **63%**  
Total Land Area (sq. km.): **172,112**  
Total Eligible Land Area (sq. km.): **108,838**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

West Virginia

West Virginia 5G Fund Option A Eligible Areas



Percent Population Eligible: **17%**  
Total Population: **1,852,991**  
Eligible Population: **311,207**

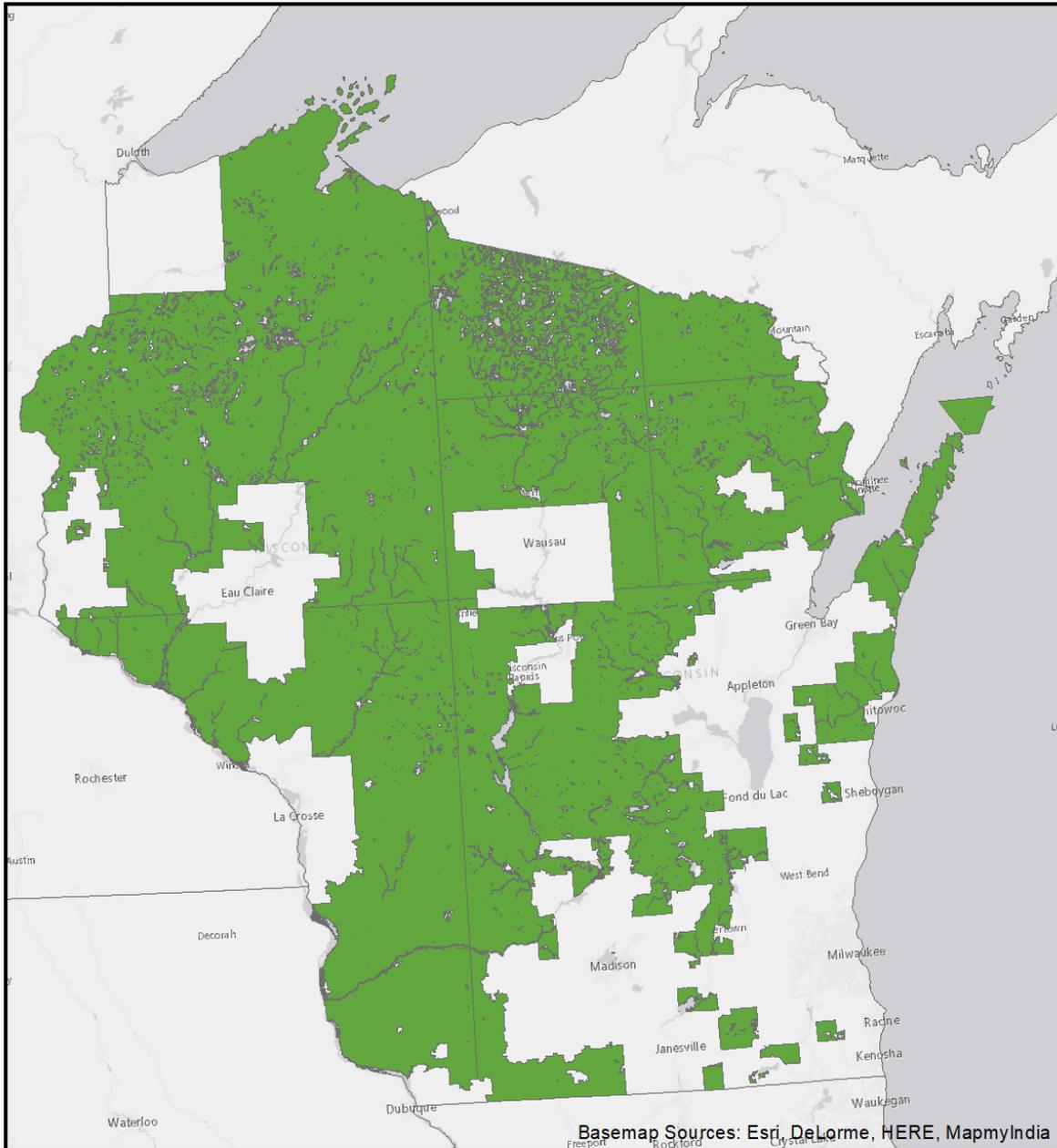
Percent Land Area Eligible: **45%**  
Total Land Area (sq. km.): **62,266**  
Total Eligible Land Area (sq. km.): **27,823**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Wisconsin

Wisconsin 5G Fund Option A Eligible Areas



Percent Population Eligible: **16%**  
Total Population: **5,686,986**  
Eligible Population: **902,539**

Percent Land Area Eligible: **69%**  
Total Land Area (sq. km.): **140,290**  
Total Eligible Land Area (sq. km.): **96,197**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

## Wyoming

### Wyoming 5G Fund Option A Eligible Areas



Percent Population Eligible: **26%**

Total Population: **563,626**

Eligible Population: **145,718**

Percent Land Area Eligible: **86%**

Total Land Area (sq. km.): **251,457**

Total Eligible Land Area (sq. km.): **215,112**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

American Samoa

American Samoa 5G Fund Option A Eligible Area



Percent Population Eligible: **100%**

Total Population: **55,519**

Eligible Population: **55,519**

Percent Land Area Eligible: **100%**

Total Land Area (sq. km.): **197**

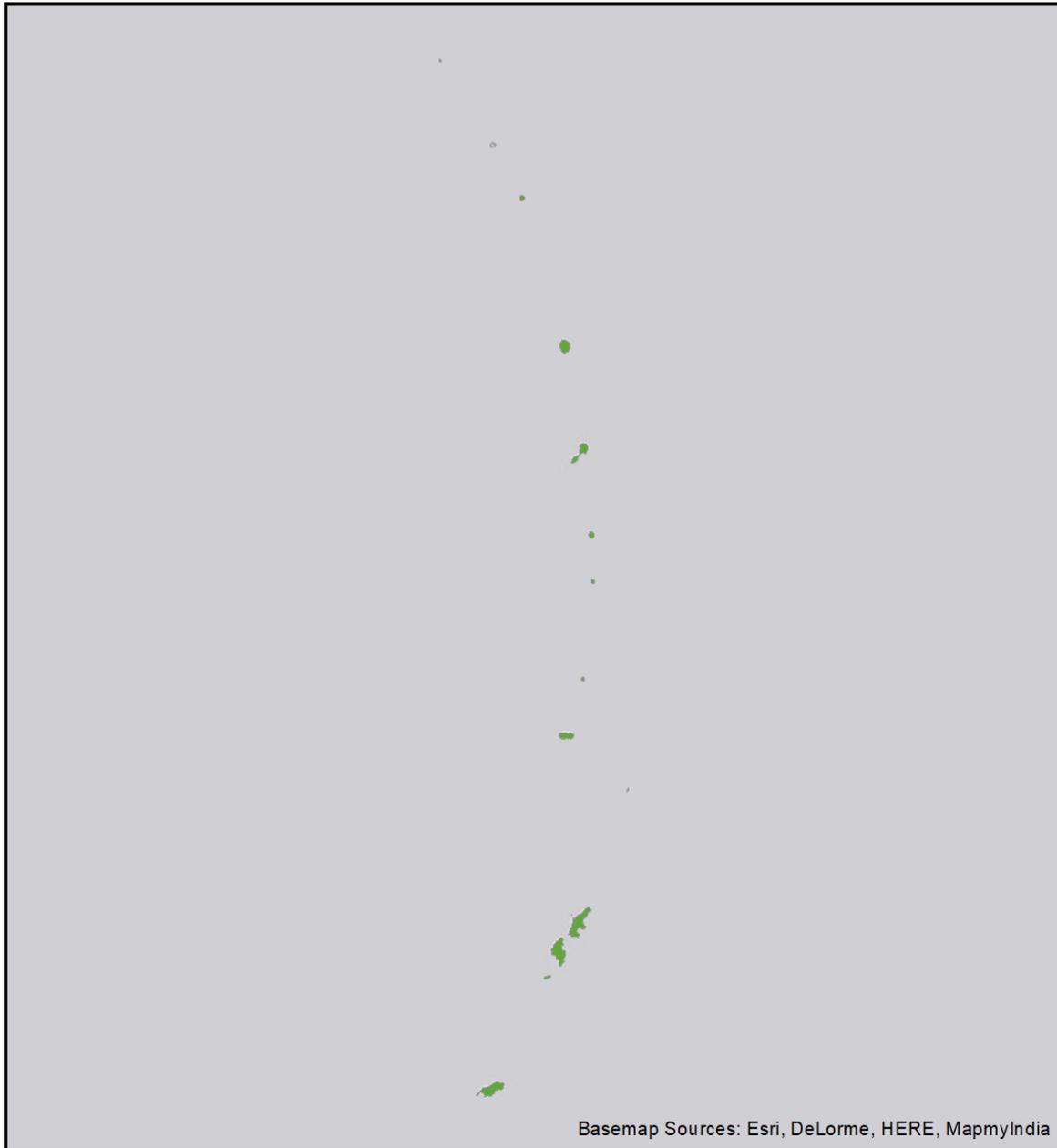
Total Eligible Land Area (sq. km.): **197**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

**Northern Mariana Islands**

**Northern Mariana Islands 5G Fund Option A Eligible Areas**



Percent Population Eligible: **100%**  
Total Population: **58,883**  
Eligible Population: **58,883**

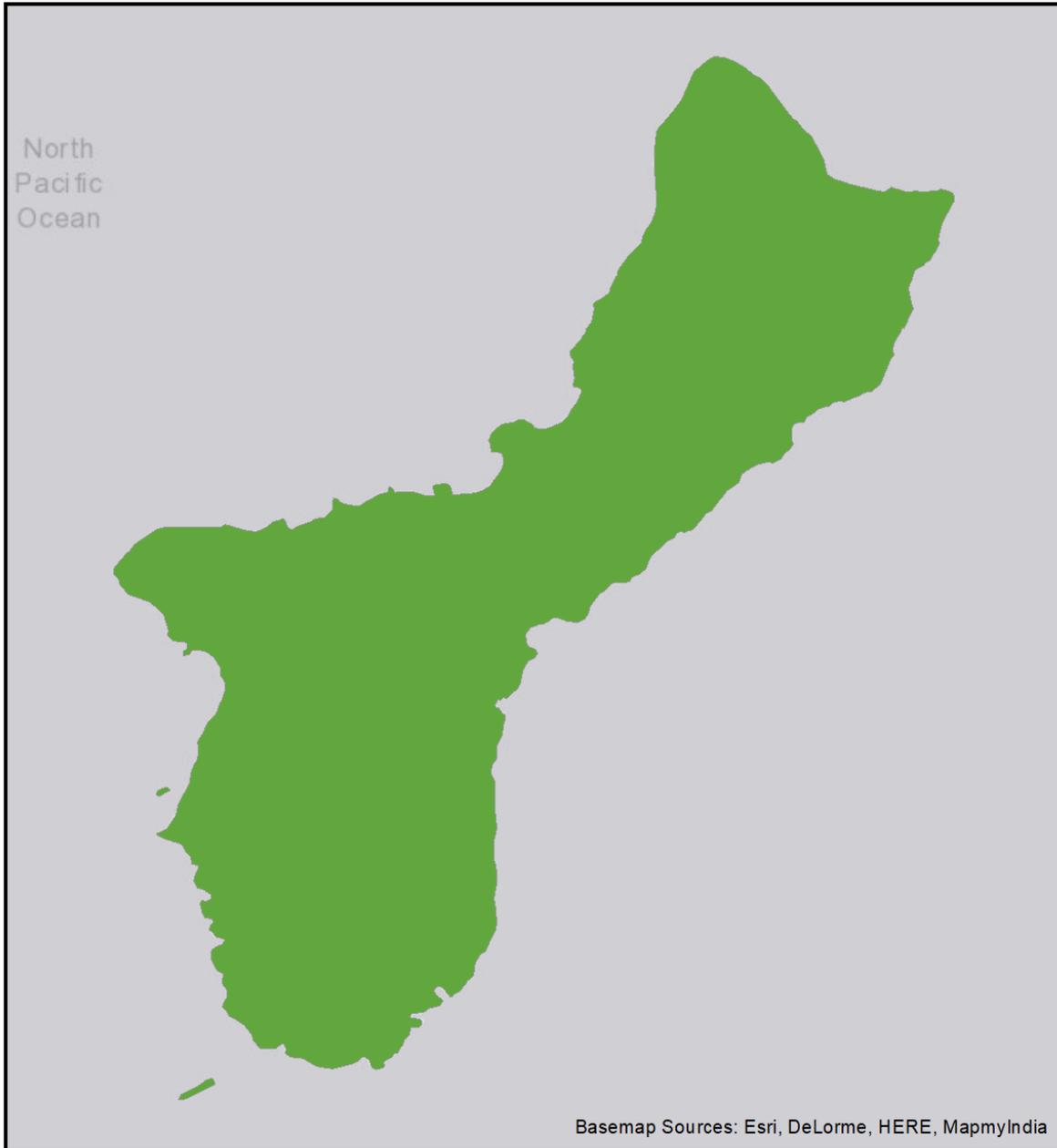
Percent Land Area Eligible: **100%**  
Total Land Area (sq. km.): **471**  
Total Eligible Land Area (sq. km.): **471**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service

Guam

Guam 5G Fund Option A Eligible Areas



Percent Population Eligible: **100%**  
Total Population: **159,444**  
Eligible Population: **159,444**

Percent Land Area Eligible: **100%**  
Total Land Area (sq. km.): **531**  
Total Eligible Land Area (sq. km.): **531**



Analysis: FCC – Office of Economics and Analytics  
Data Source: U.S. Census Bureau, USDA – Economic Research Service