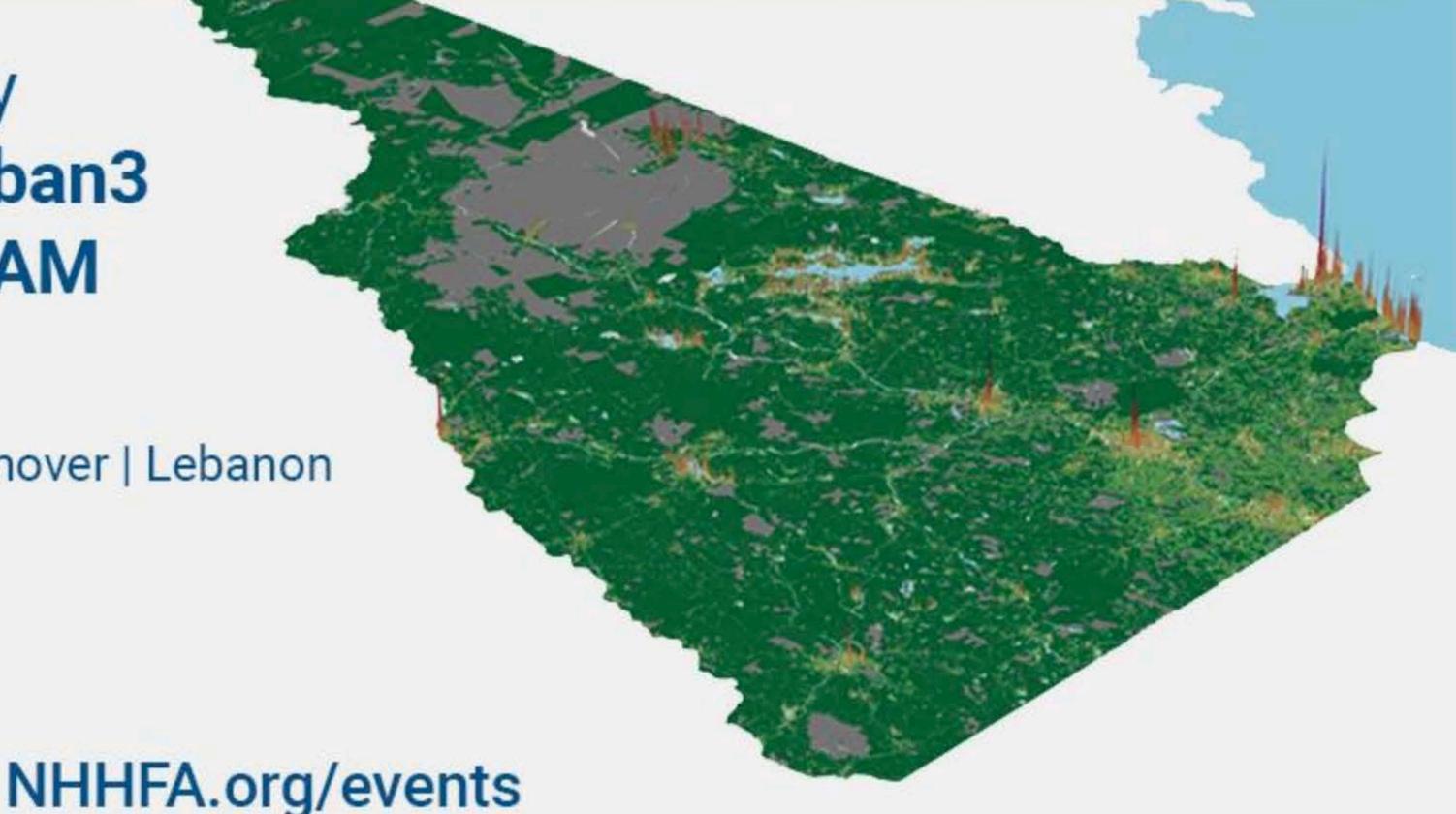
## From the Outskirts to Downtown: Taxes, Land Use & Value in Upper Valley Communities

A virtual presentation by Joe Minicozzi AICP | Urban3 October 29, 2020 at 11 AM

**Hosted by** 

Vital Communities | Claremont | Hanover | Lebanon







#### LEAD SPONSOR



ATTORNEYS AT LAW

#### SERIES SPONSORS





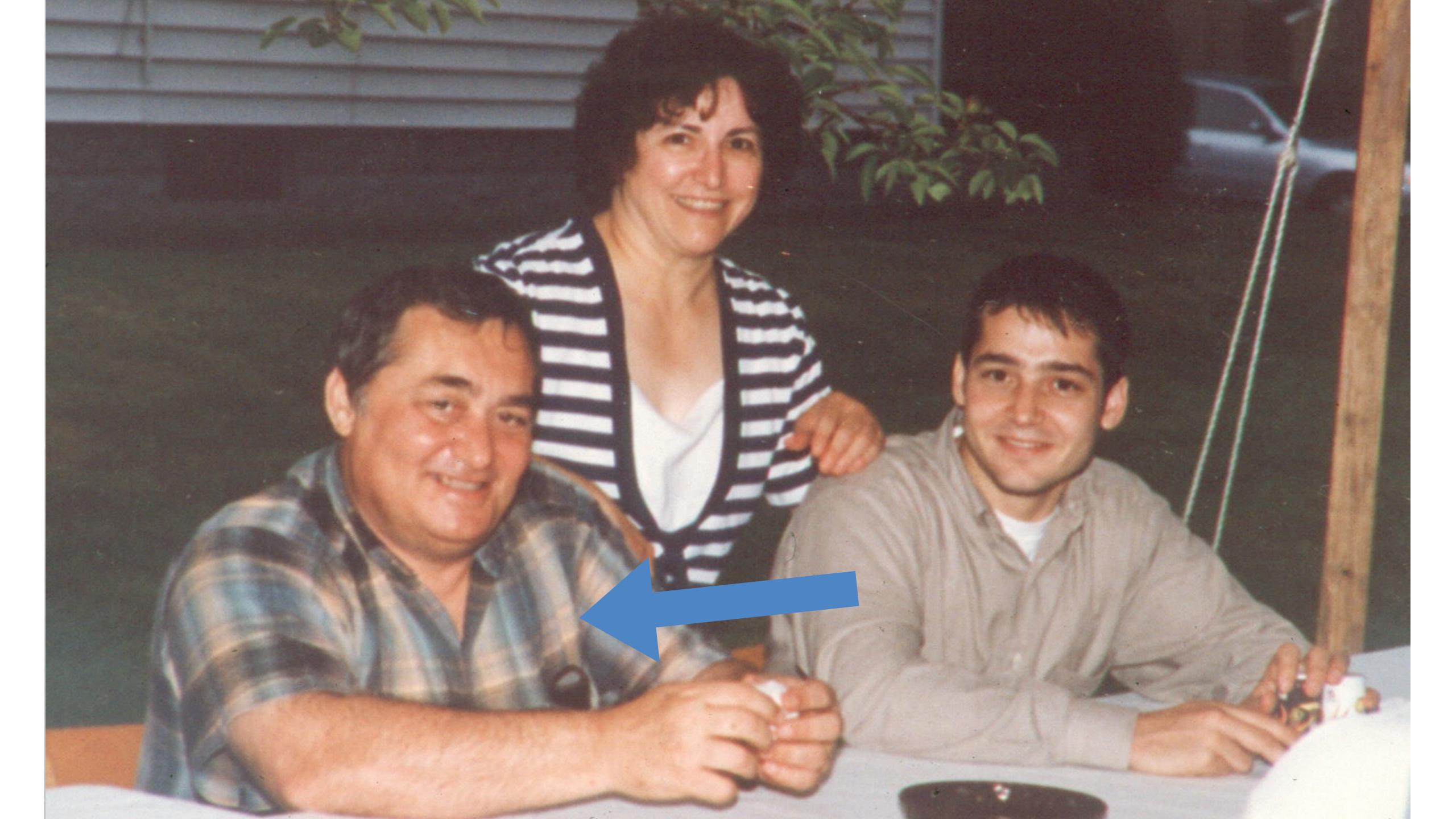


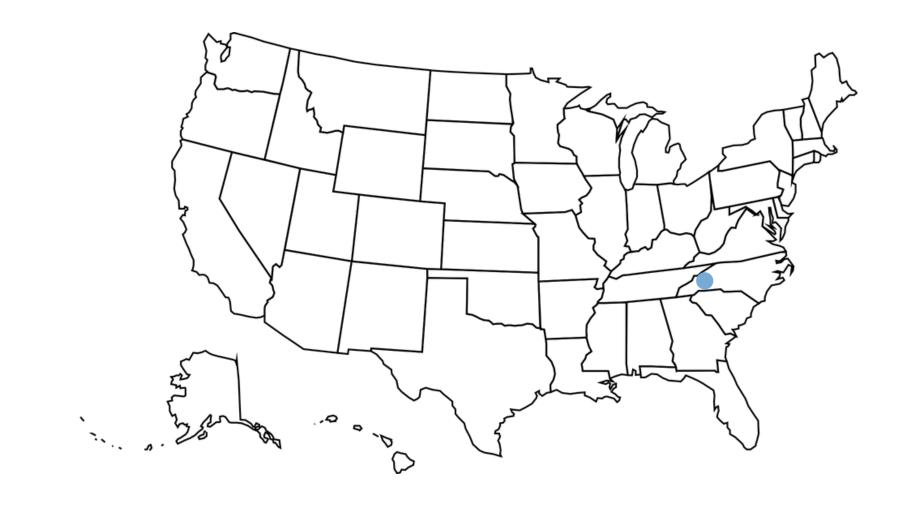




## Our thanks to all the communities that supported this study.







Case Study: Economic MRI®

# Asheville, North Carolina







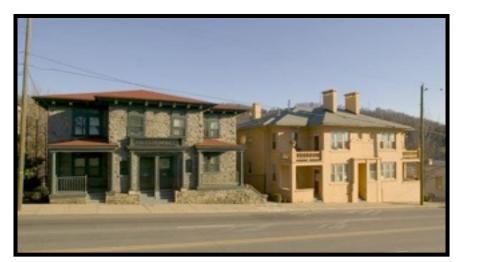


Asheville's de facto motto was:

### "That will never work here - don't even try."



1941 - 11/19/2001



**SS** 

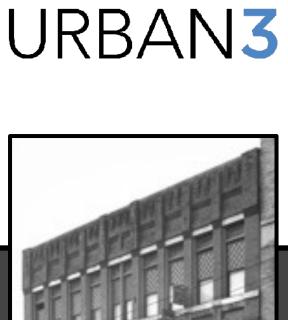
The Alternative Reading Room

Salsa's & Zambras

City Seeds





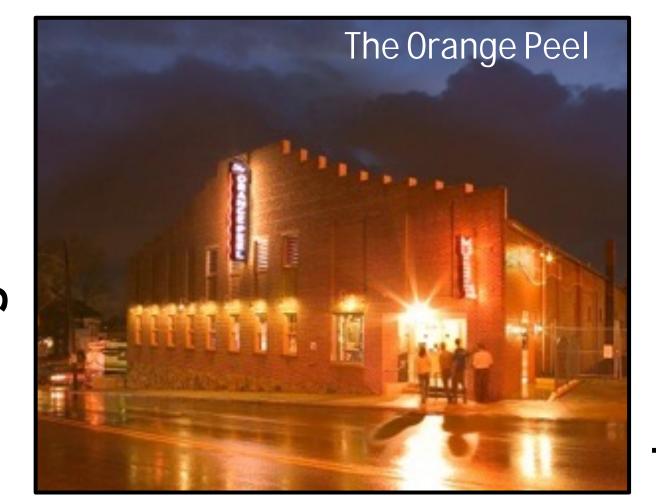






Biltmore





#### **Downtown benches**



The Public Service Building

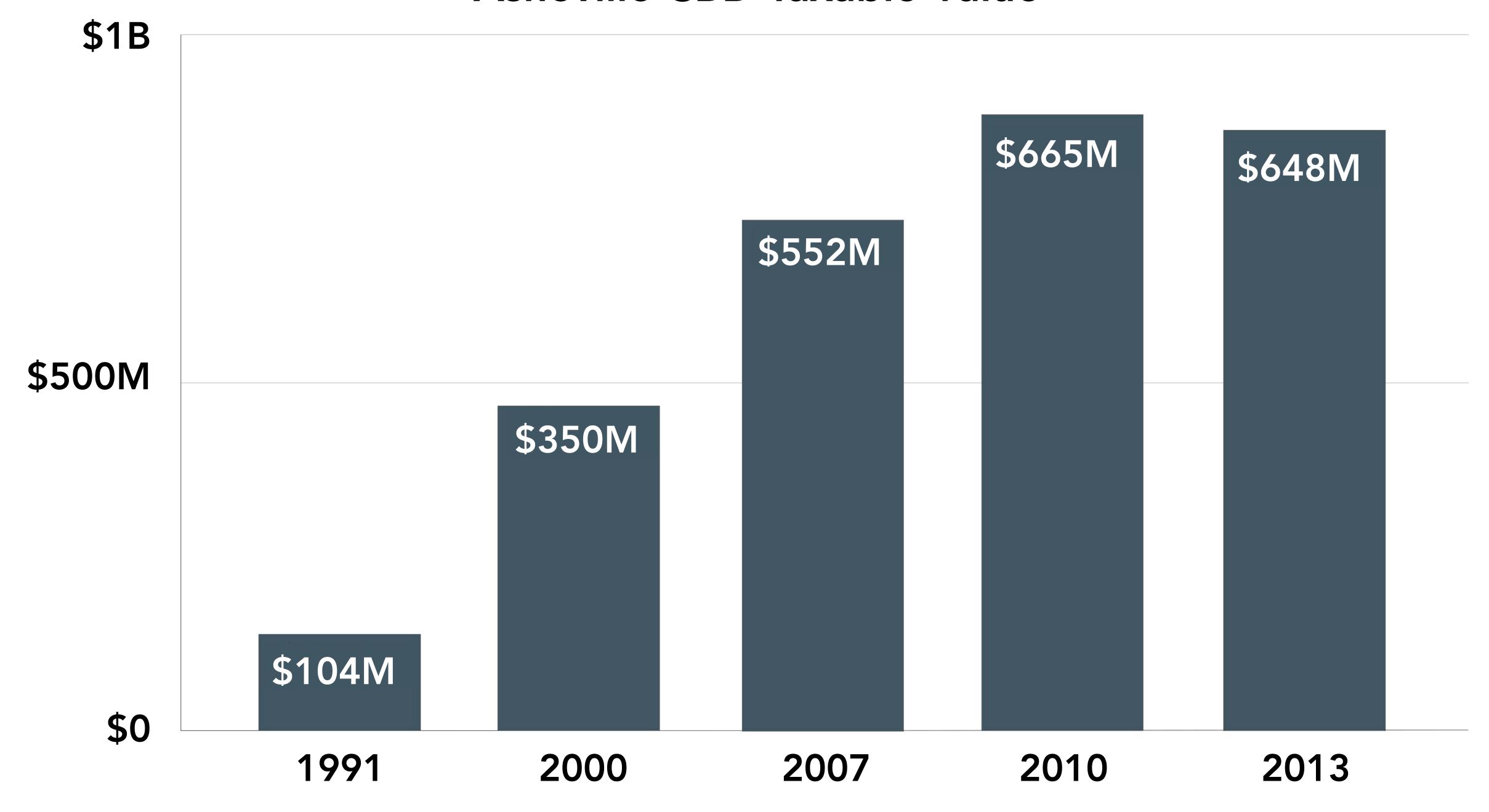


## In God We trust; everyone else, bring data.

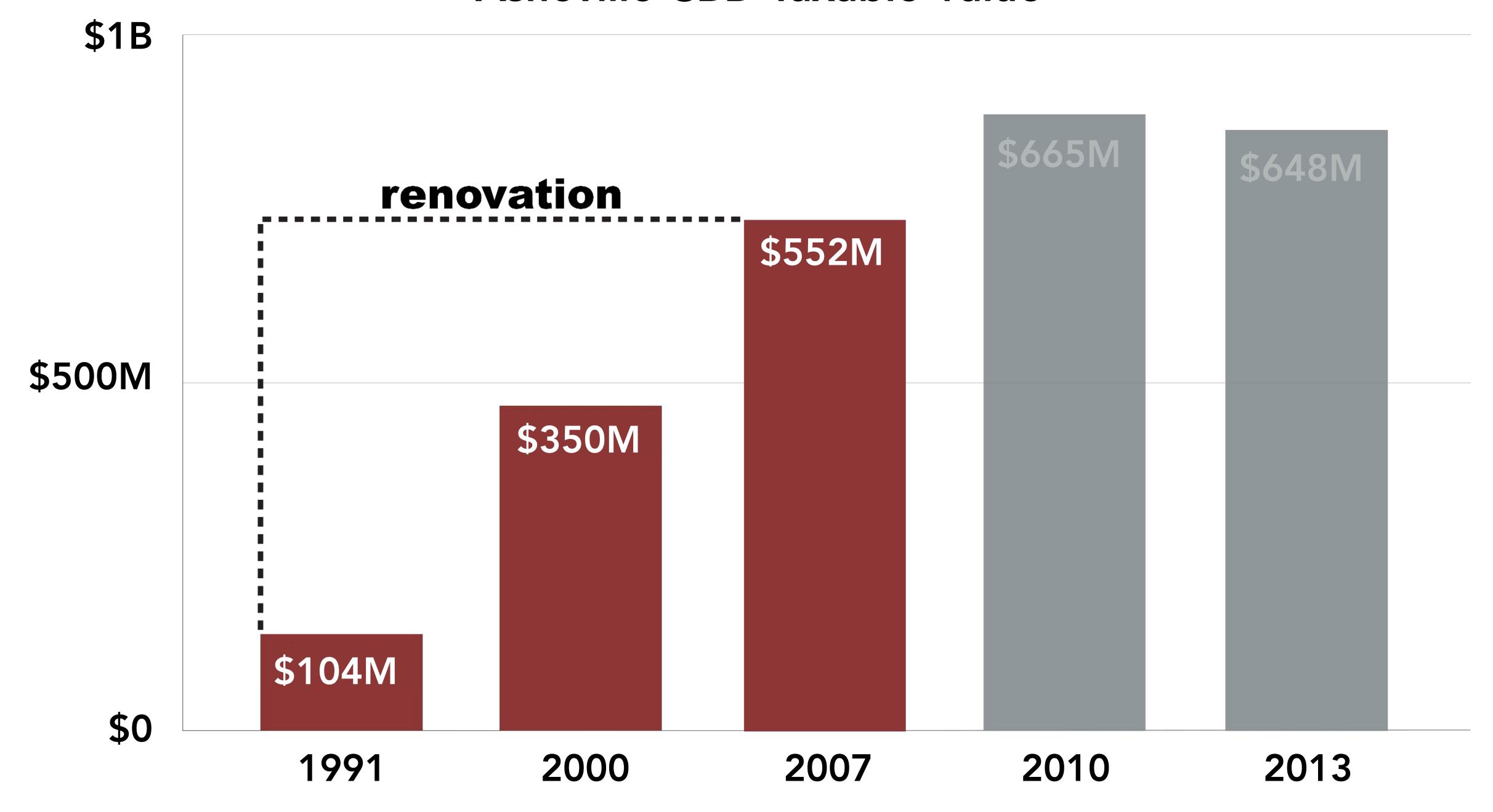
Mayor Michael Bloomberg



#### Asheville CBD Taxable Value



#### Asheville CBD Taxable Value





#### THE BURDENS OF POOR DECISIONS ARE **BECOMING UNBÉARABLE!**

- Parking Garages
- Pack Square Projects
- Wall Street Project
- New Garage for Garbage Trucks
- City Hall Beautification Project

4.5 Million & Climbing 10.0 Million & Climbing

1.8 Million & Standing Empty

5 Million Plus

4.8 Willion

26.1 Million & Climbing

In 1990 Asheville City taxes were raise

#### 2 Million Dollars

to help pay for these projects for Downtown Dignitaries.

These are just a few of the failed policy decisions supported by the Old Council. The taxpayers can no longer afford the policies of the 80's. Here are your choices on November 5TH

- Gene Ellison 2 year Incumbent
- Bill Moore 2 year Incumbent
- Chris Peterson Fresh New Ideas
   Carr Swicegood Fresh New Ideas
- Charles Worley Fresh New Ideas Barbara Field Fresh New Ideas

Norma Price - 14 years Incumbent

SHOW YOUR SUPPORT FOR A NEW CITY COUNCIL.

PAID FOR BY: CITIZENS FOR A NEW CITY GOVERNMENT, DOROTHY F. WORLEY, TREASURER

Asheville's de facto motto was:

#### BLUEPRINT OF CITY HALL

THE INCUMBENTS: WHY SHOULD WE VOTE AGAINST THEM?

The decade of the 80's was controlled by the incumbents Bratton, Frank, Price, and Michalove.

During their tenure, we have witnessed the following:

- Personal income has decreased.
- 2. Property taxes are at an all time high. In 1990 these four council members voted for a 16% increase in personal property taxes.
- 3. In 1981 water was at the top of their list of priorities. In 1991 water remains at the top of their list.
- 4. Increased crime rate. Inadequate police protection due to massive annexation during the past 10 years.
- Downtown development for bureaucrats instead of water. sewer, and streets for our citizens.



- 6. Fewer jobs for our residents. We have lost good sound industries such as Burlington, Sayles, Kellwood, Girmes and Stencil, not to mention 3000 jobs at Enka.
- 7. Enormous waste of city tax dollar and manpower within the fire department (i.e.: fire trucks being routed to fender benders, etc.).
- 8. Downtown parking fiasco. Millions of dollars wasted on unused parking decks.
- 9. Turmoil in the City School System. The only voice city residents have is through our vote for Asheville City Council.
- 10. Community favoritism. Certain communities have been ignored far too long while others have been given the royal treatment. This cannot be tolerated. All city areas are entitled to all city services.

VOTE OUT THE POLICY MAKERS OF THE 80'S.

THEY'VE BEEN IN CHARGE TOO LONG!

BRATTON OUT

FRANK OUT

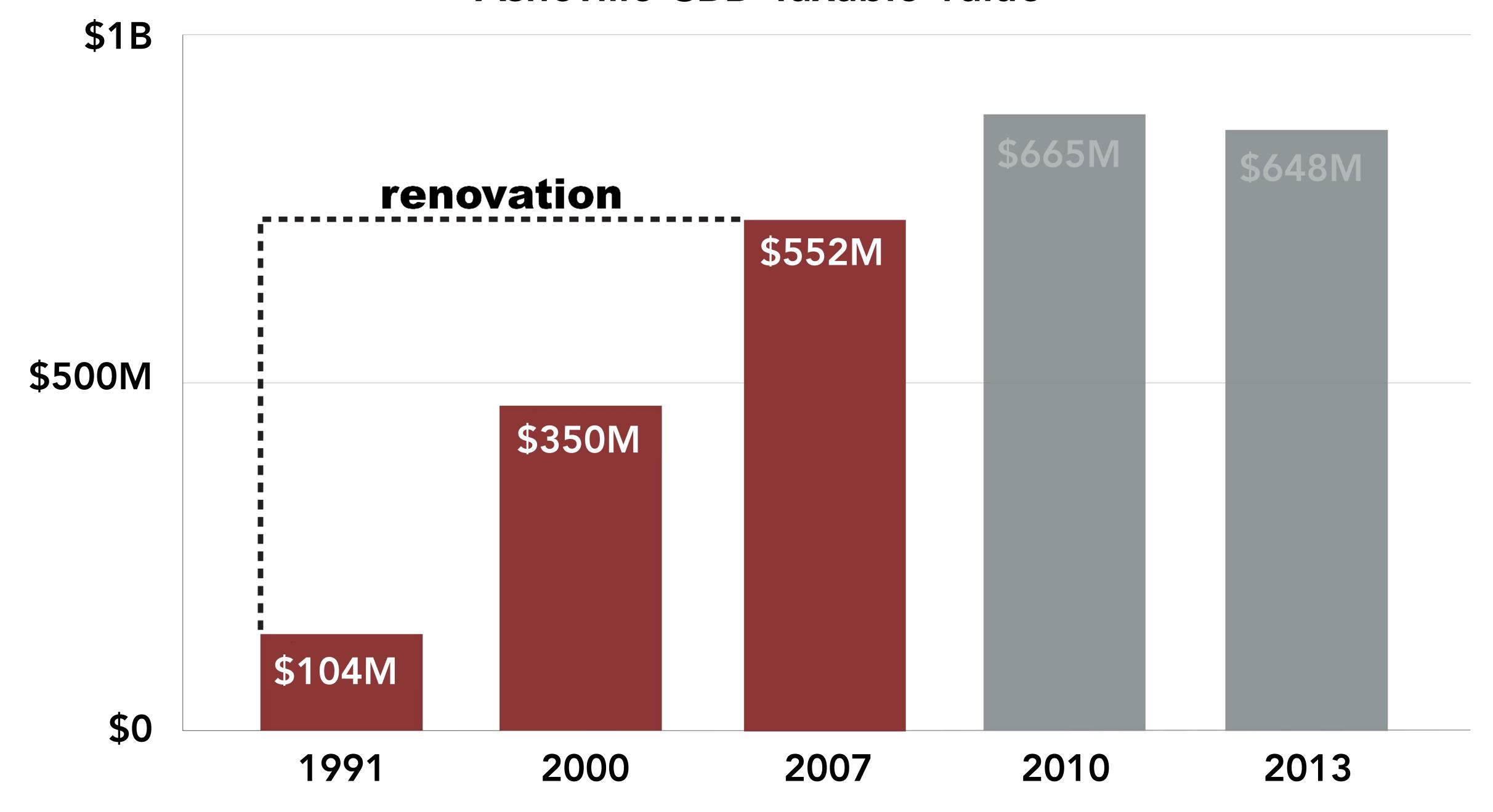
PRICE OUT

MICHALOVE OUT

PAID FOR BY THE CITIZENS TO ÉLECT A NEW CITY GOVERNMENT

"That will never work here - don't even try."

#### Asheville CBD Taxable Value



### DON'T TRUST THIS GROUP OF LYING POLITICIANS!

THE GREAT RIVER GRAB HAS BEGUN!

DON'T BE FOOLED BY THESE <u>CHARLETANS!</u>

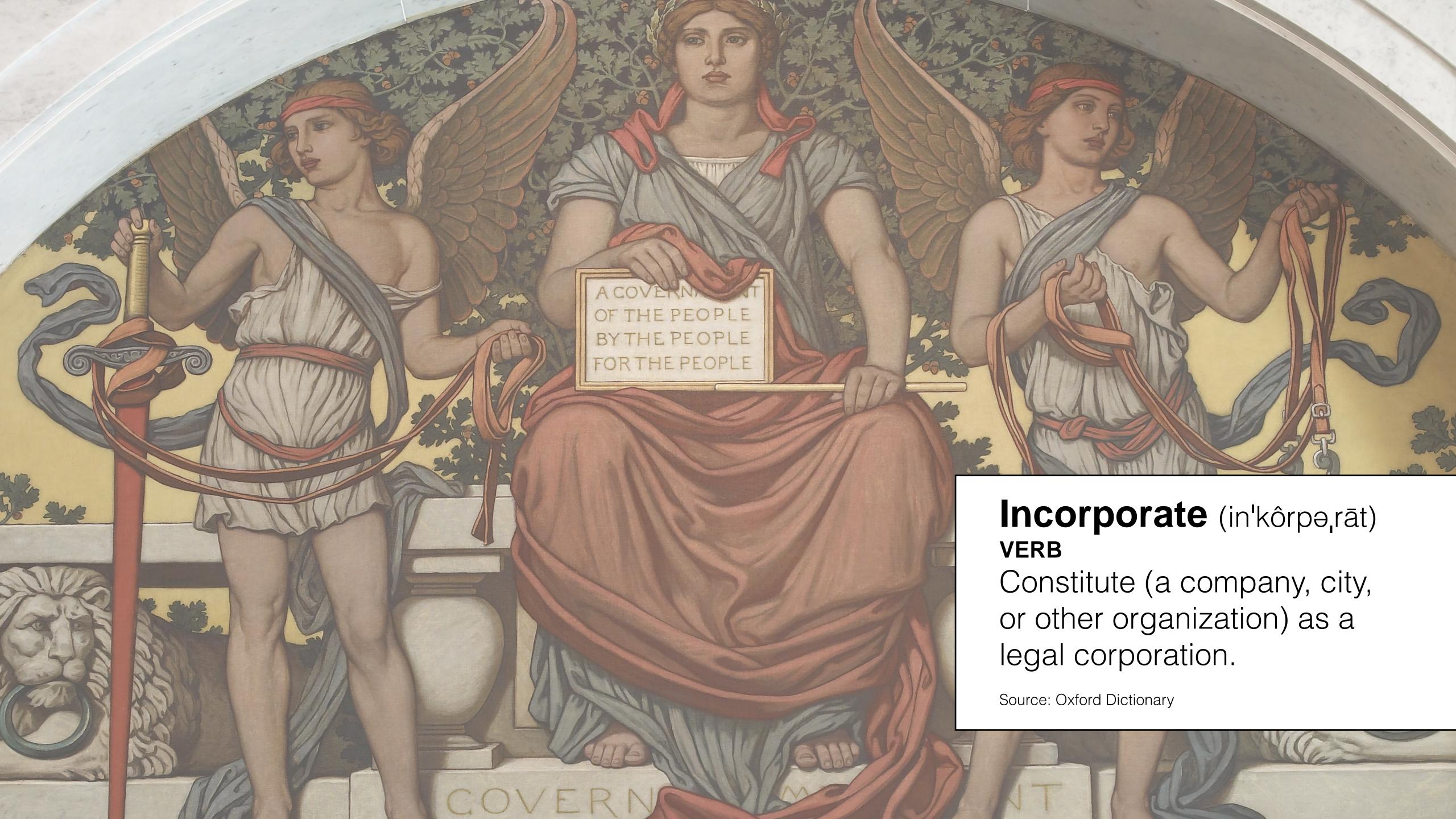
THIS CORRUPT
GROUP NEEDS TO
RESIGN ALONG
WITH THEIR
AARRC RIVER
COMMITTEE

HELP US FIGHT!
AshevilleRiverGate.com

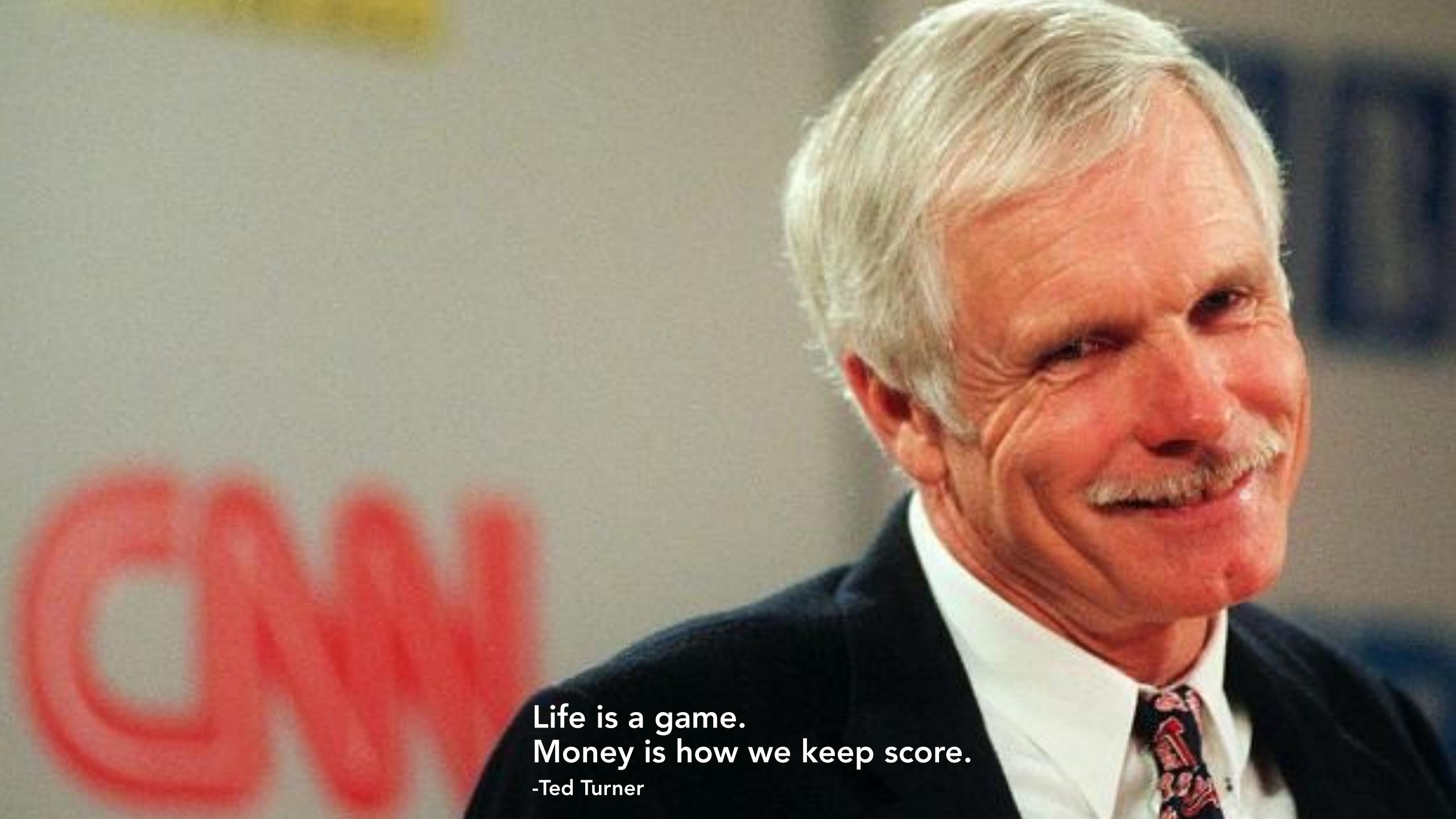


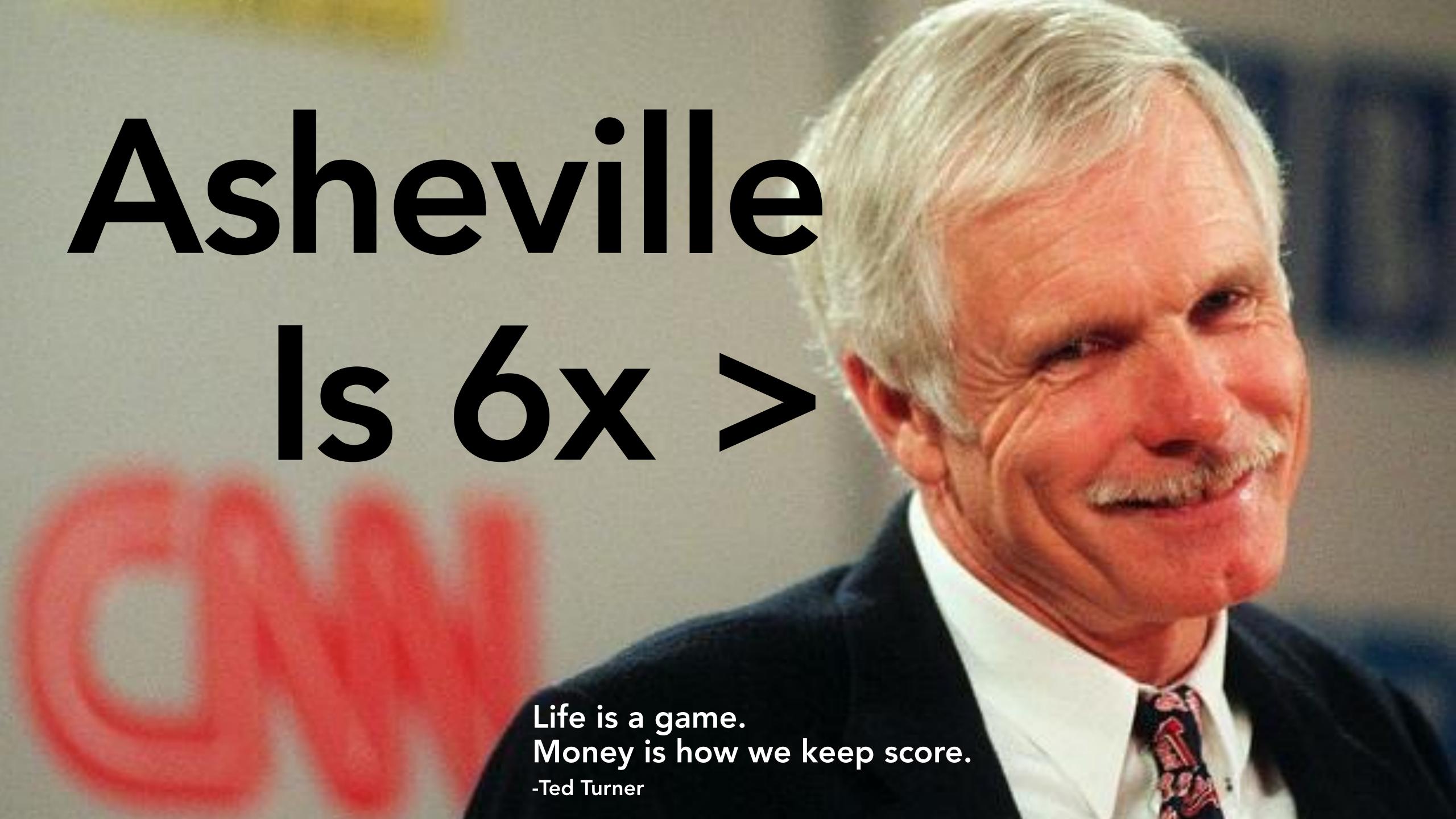
















For 40 years this building remained vacant..... its tax value in 1991 was just over \$300,000



Today the building is valued at over \$11,000,000 an increase of

over 3500%

in 15 years

The lot is less than 1/5 acre





#### Asheville Walmart

#### Downtown



Tax Value



#### Asheville Walmart

#### Downtown



Tax Value



#### Asheville Walmart

Downtown



Tax Value

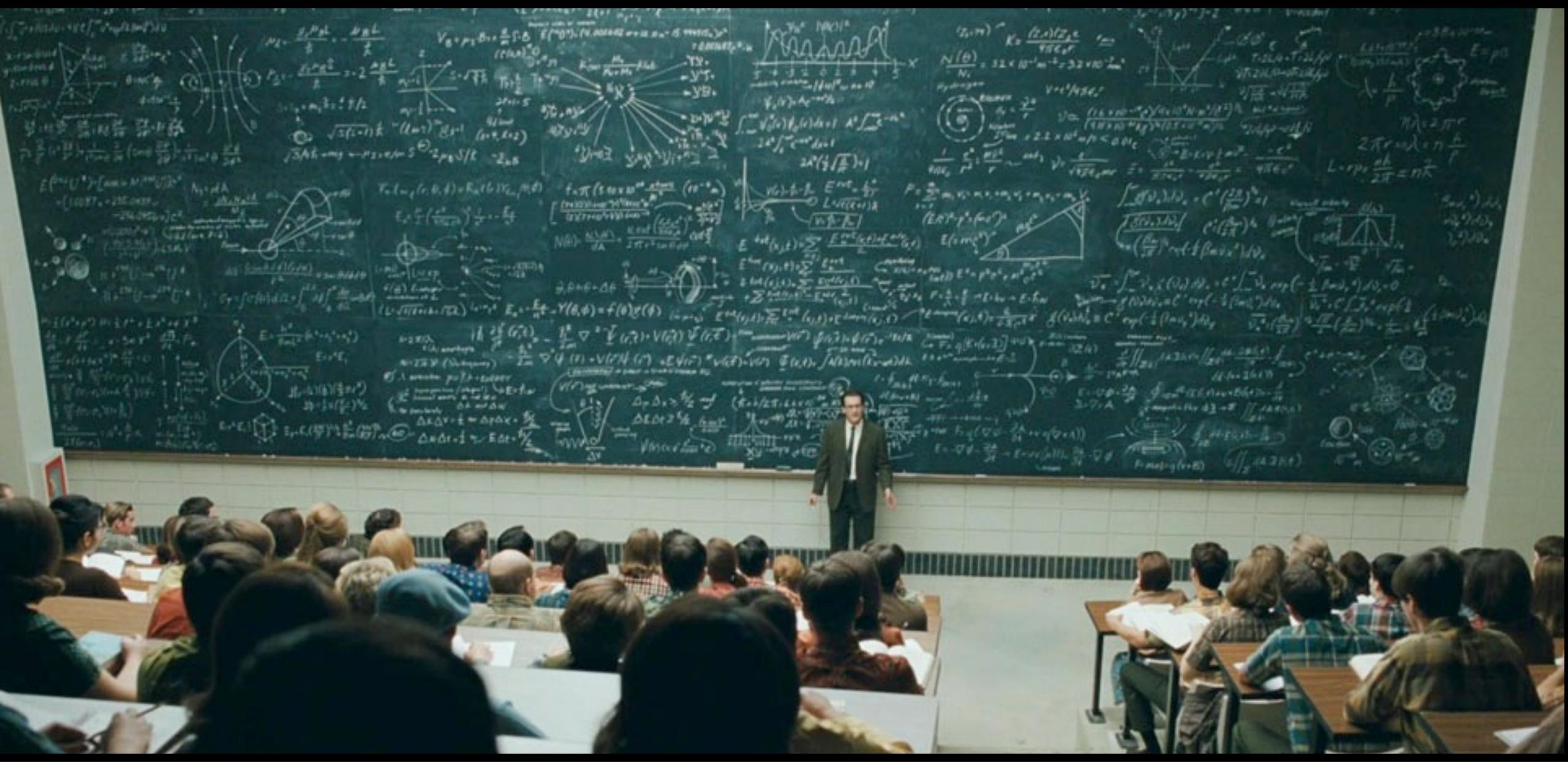
0.2

Land Consumed (acres)

34







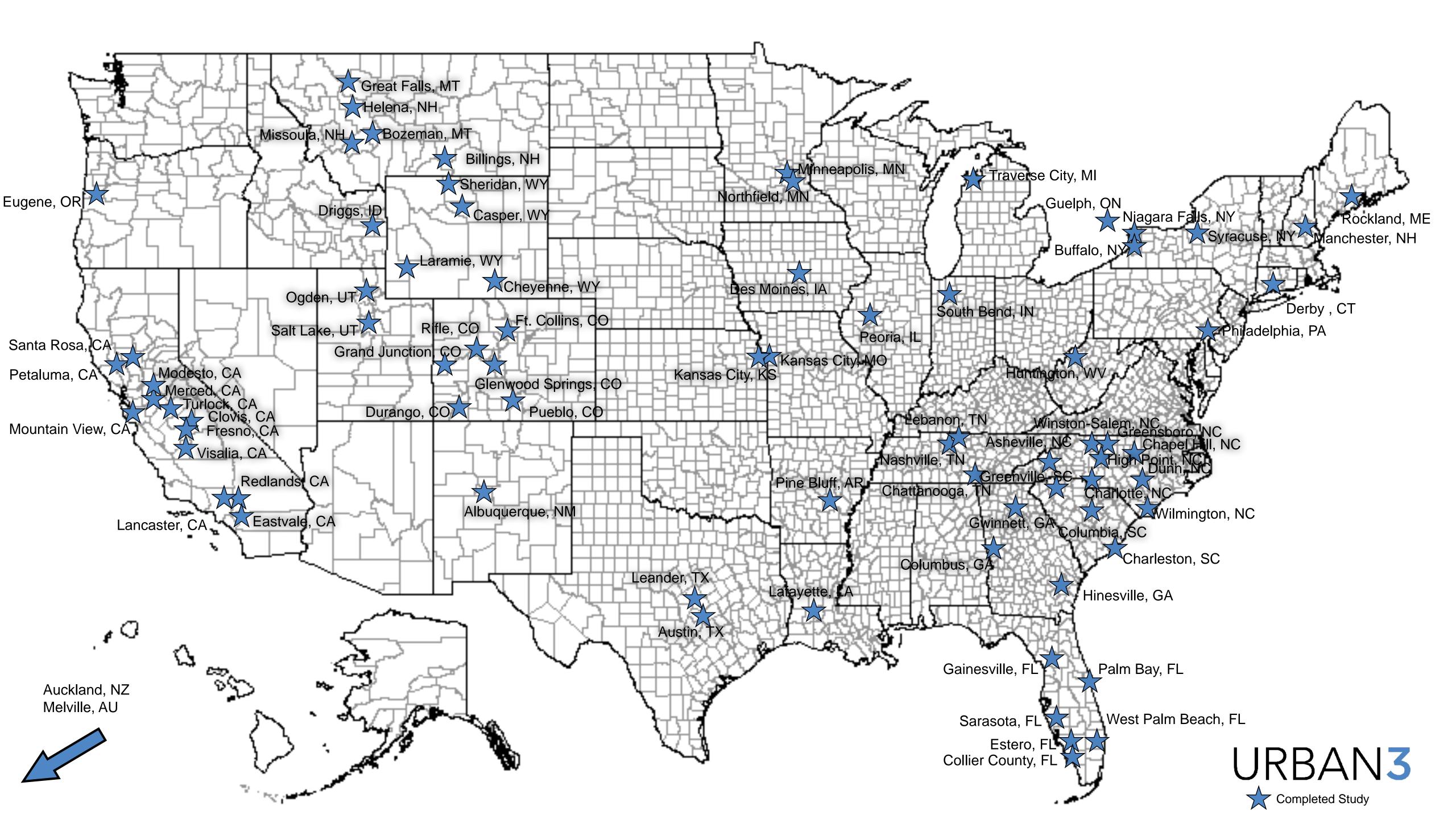
## Scary Math





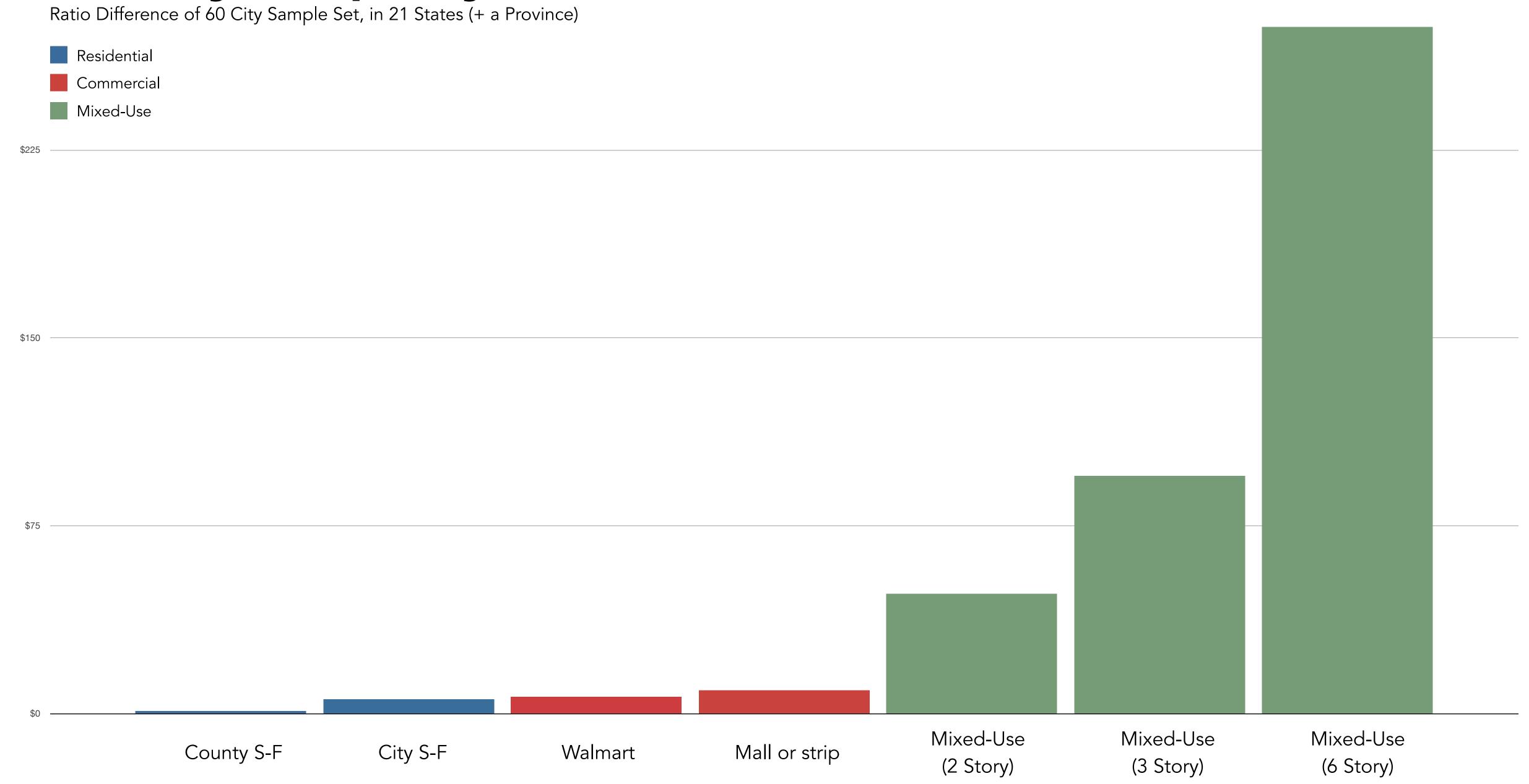


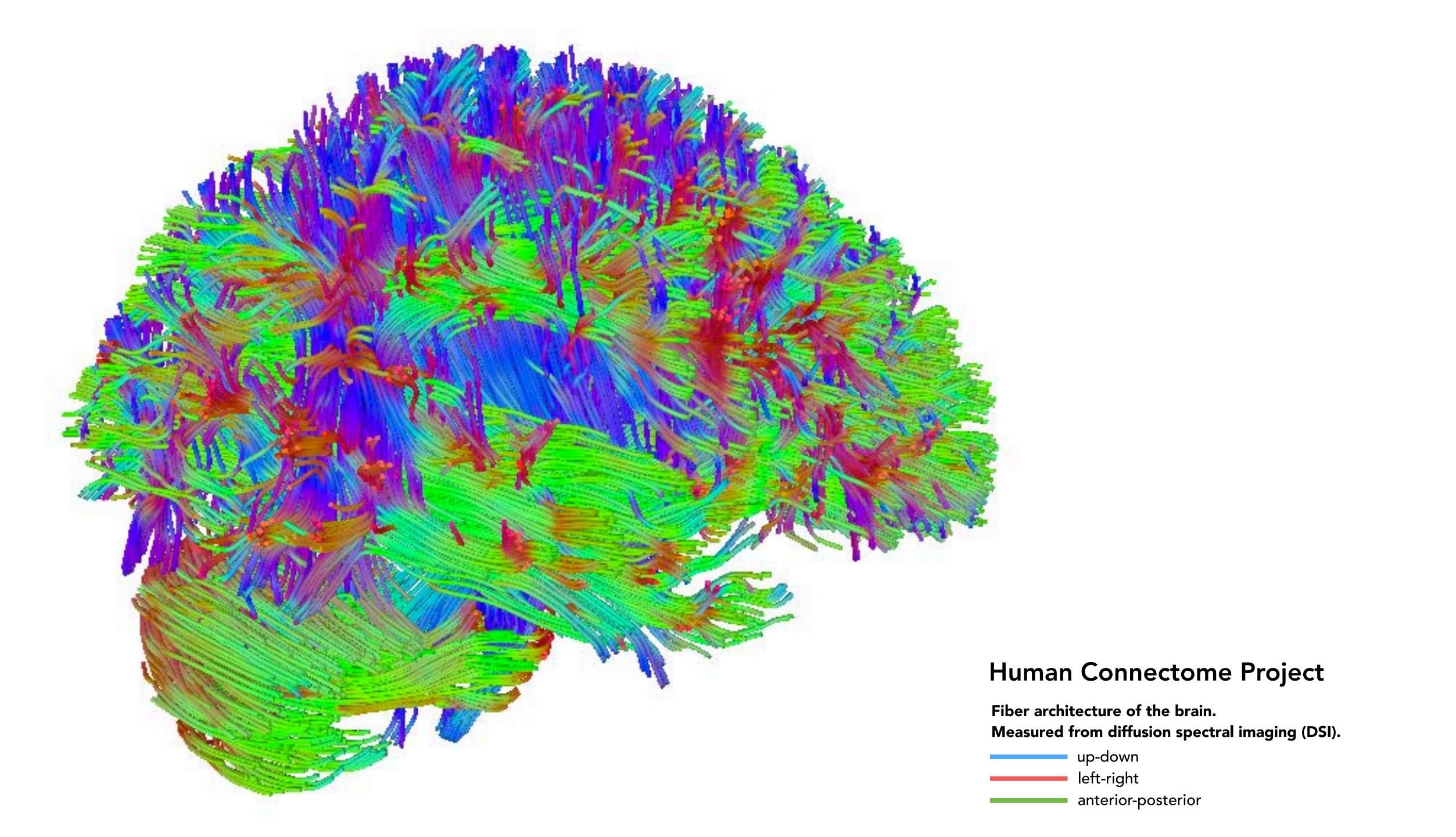


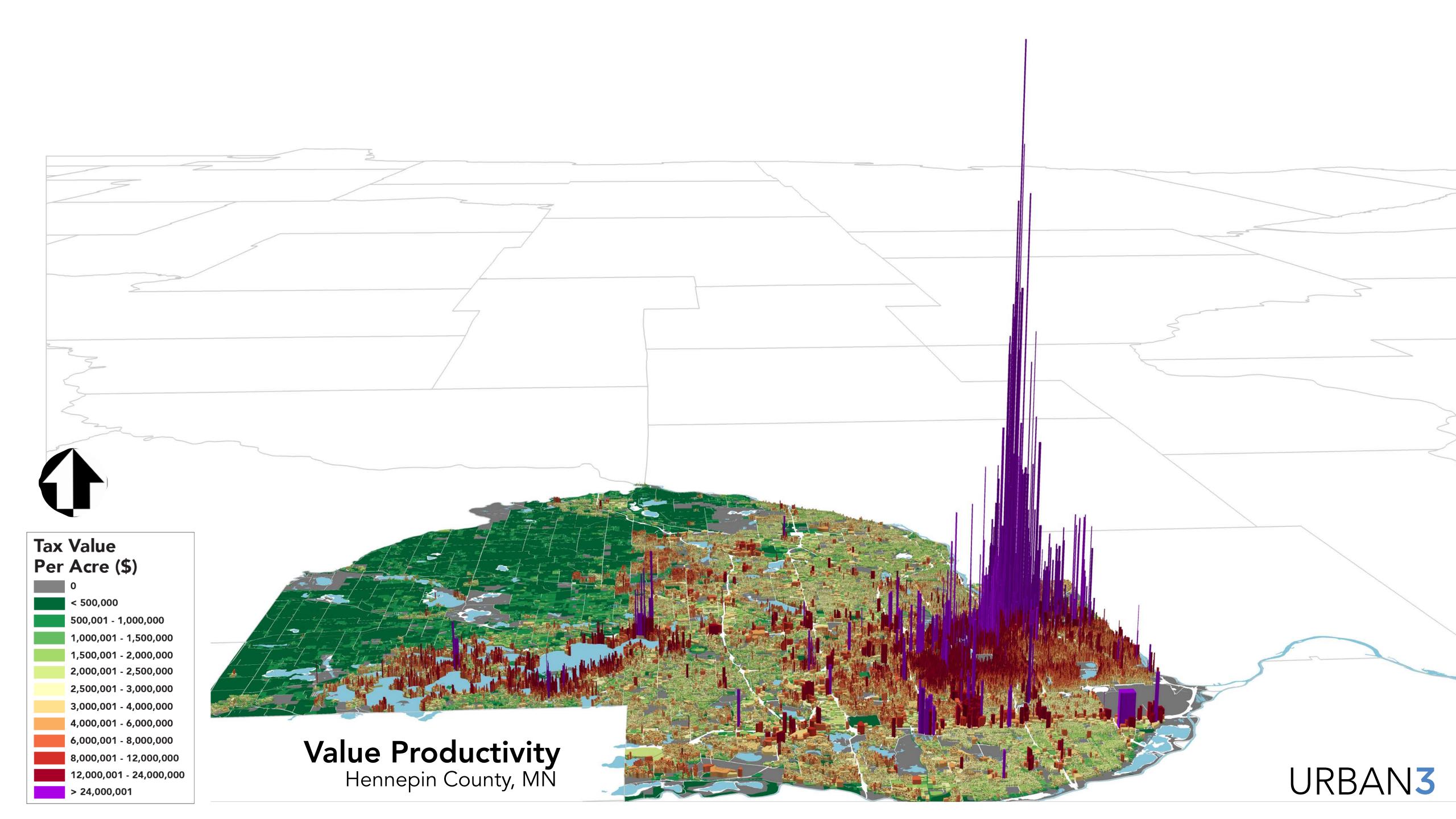


#### County Property Taxes/Acre







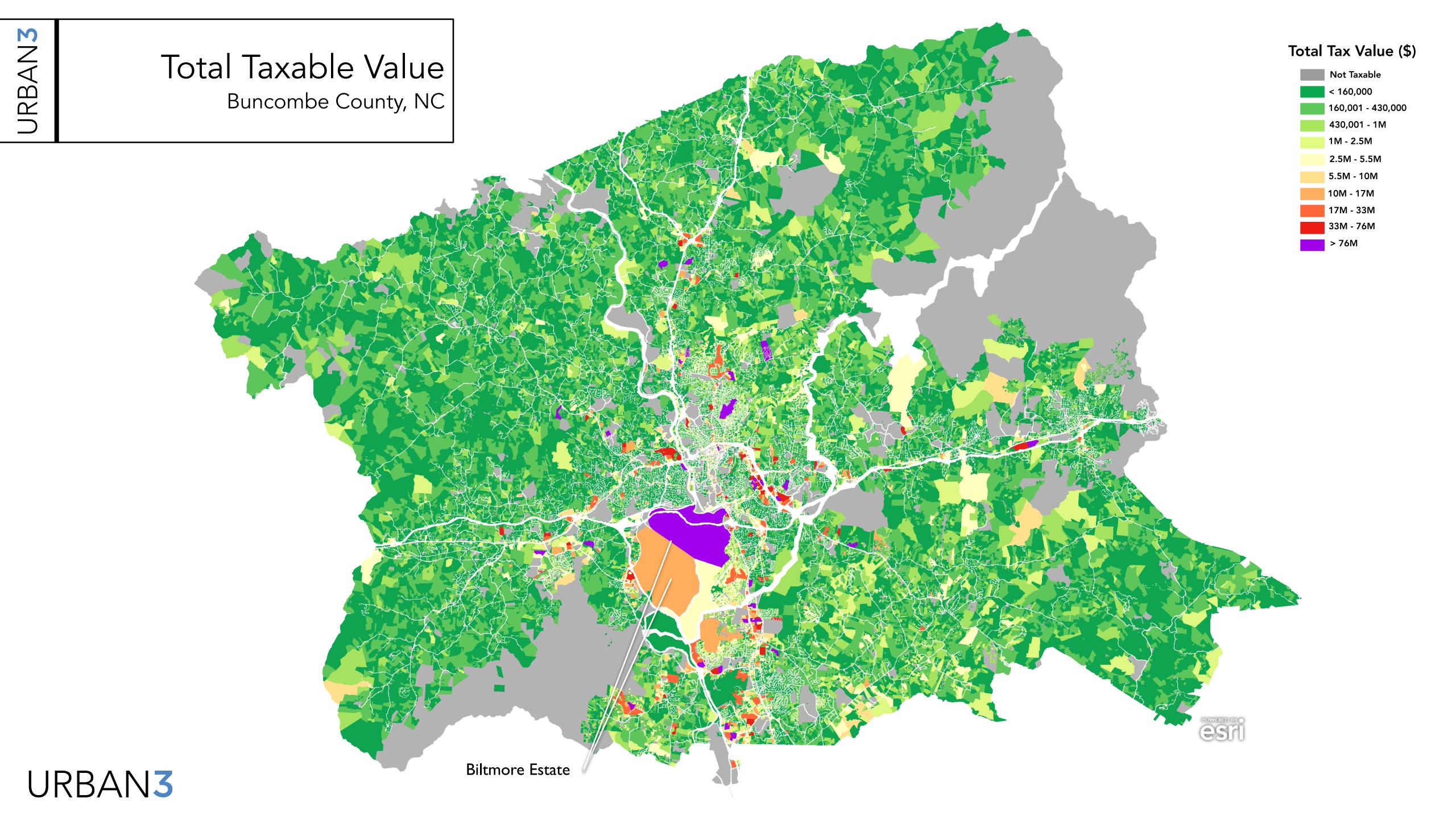


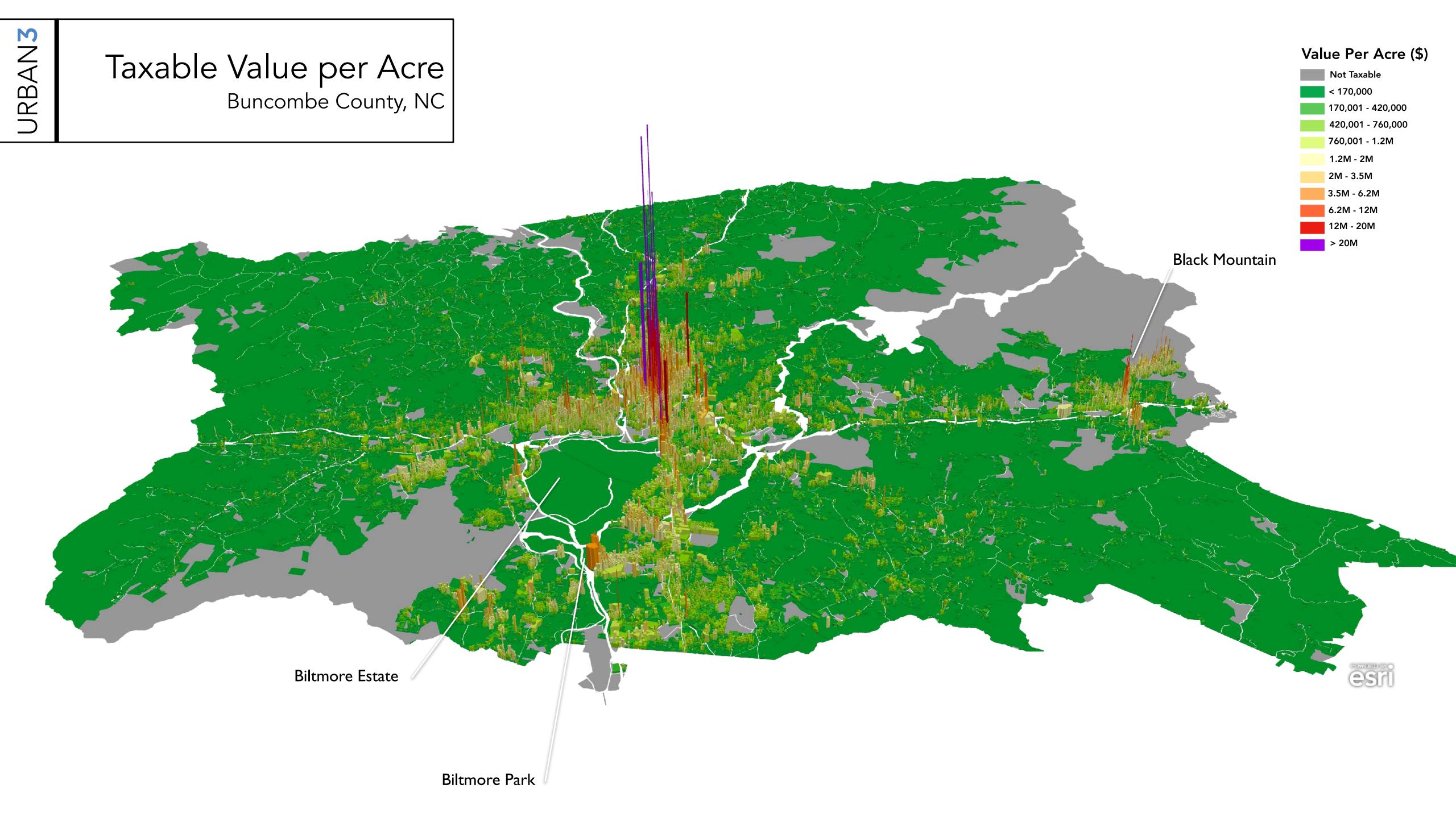


2016

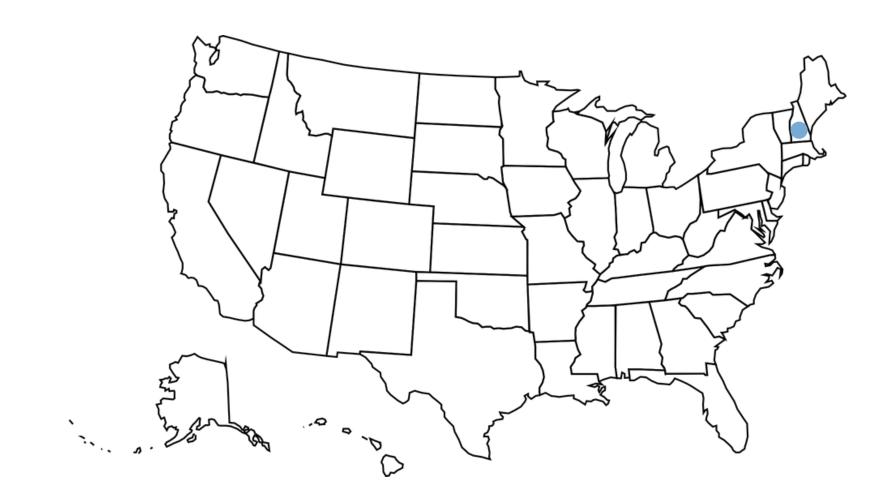
# Asheville, North Carolina











2020

### New Hampshire



FOR

### DUMMIES

A Reference for North Carolinians!



#### DUNNIES

Taxable Value %

Tax Rate %

Market Value

X = Taxable Value

X = Tax Bill

works.



DUNNIES

(Needed Budget - Non-property tax revenue) / City Assessed Value

Exemptions

Local Tax Rate

Assessed Value

Taxable Value

= Tax Bill

This is how NH's system works.

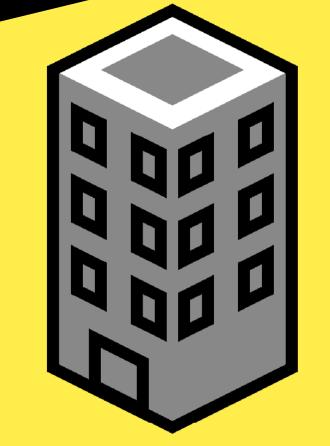


\*The city tax rate is established by the State

DUNNIES

Assessed Value = \$600k





Commercial

2.332%



Residential



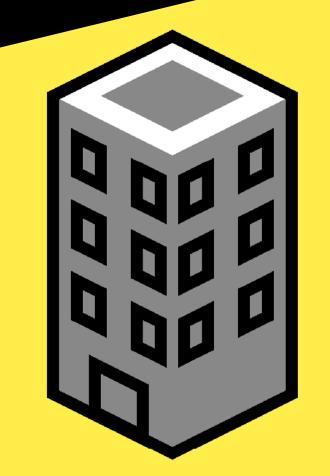
2.332%

DUNNIES

Assessed Value = \$600k



\$13,992



Commercial

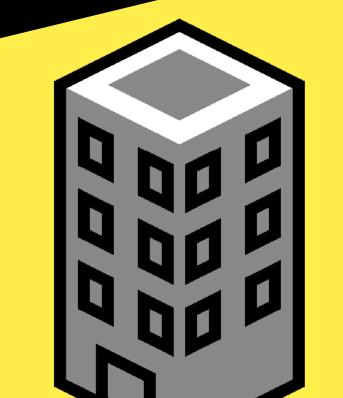


Residential



DUNNIES

Assessed Value = \$600k



Commercial

Strafford County Tax Rate

0.13%



Residential



DUNNIES

Assessed Value = \$600k



Commercial

\$780

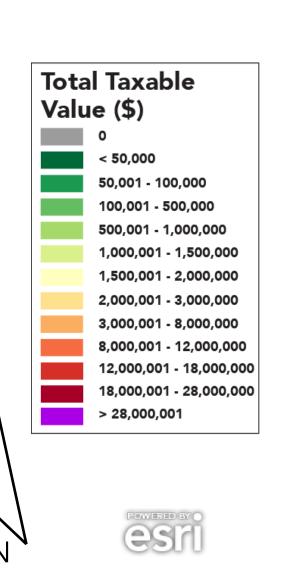
\$780

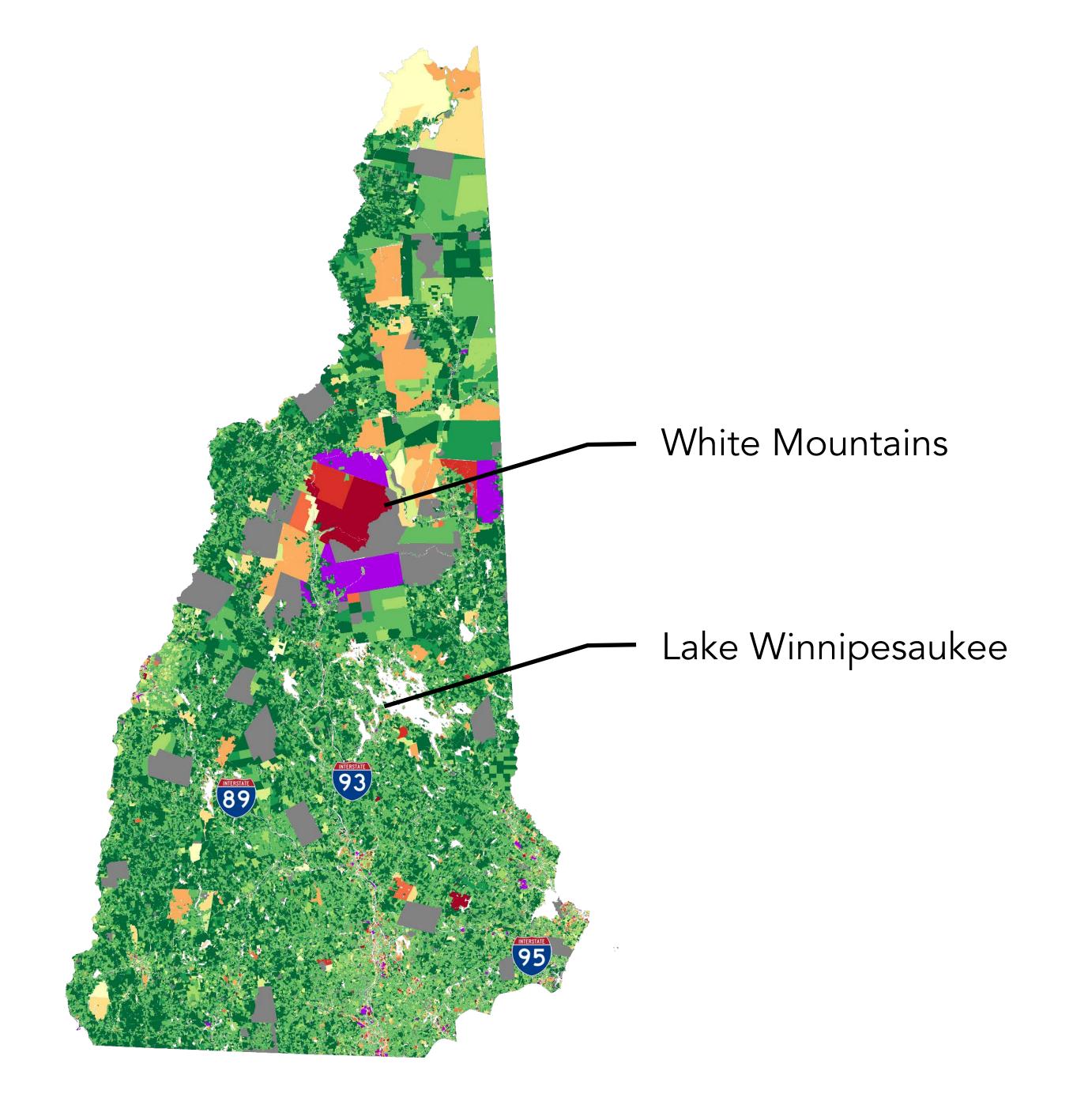


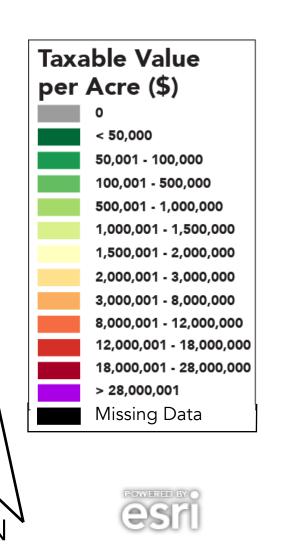
Residential

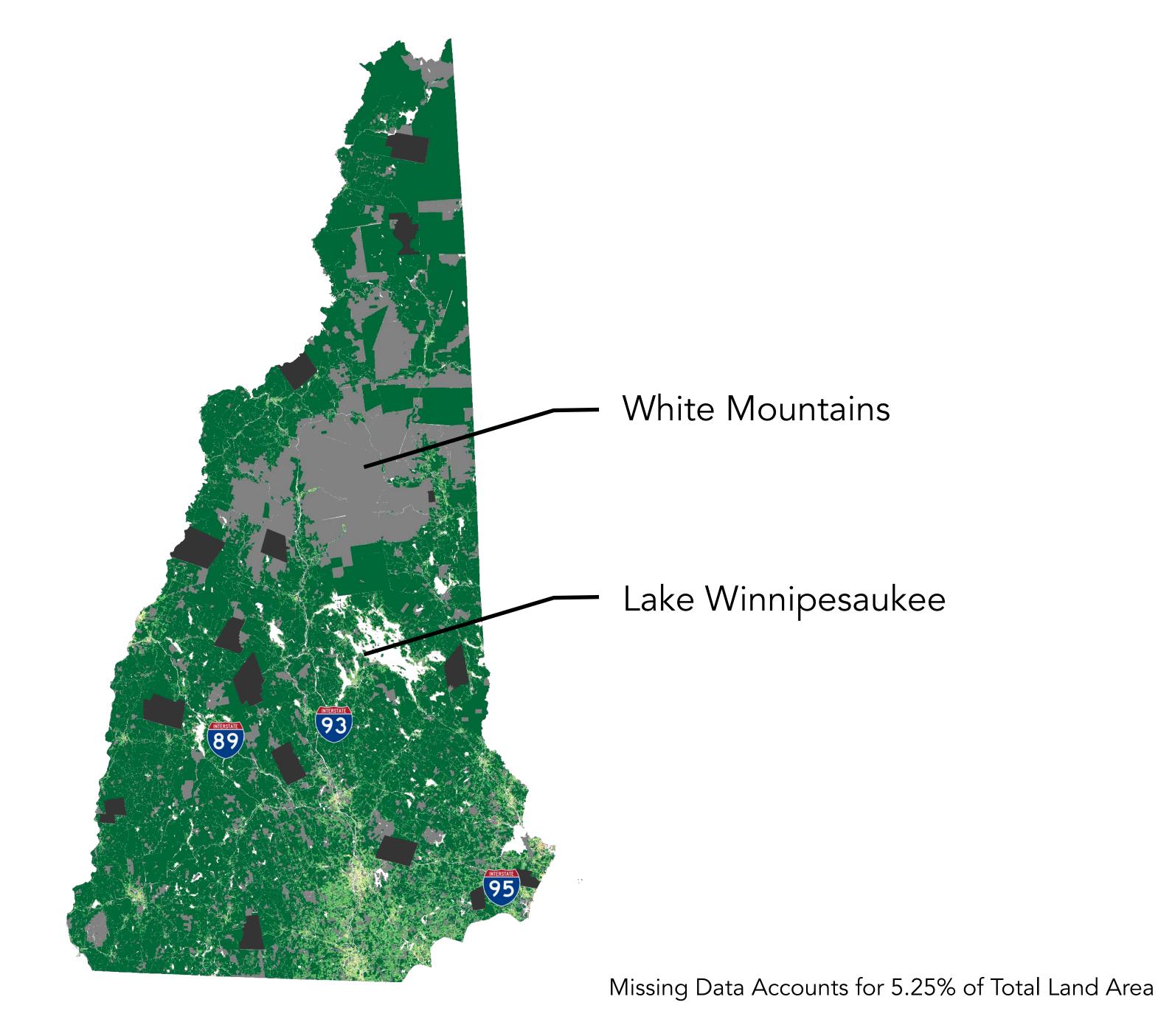


#### **Total Value**New Hampshire

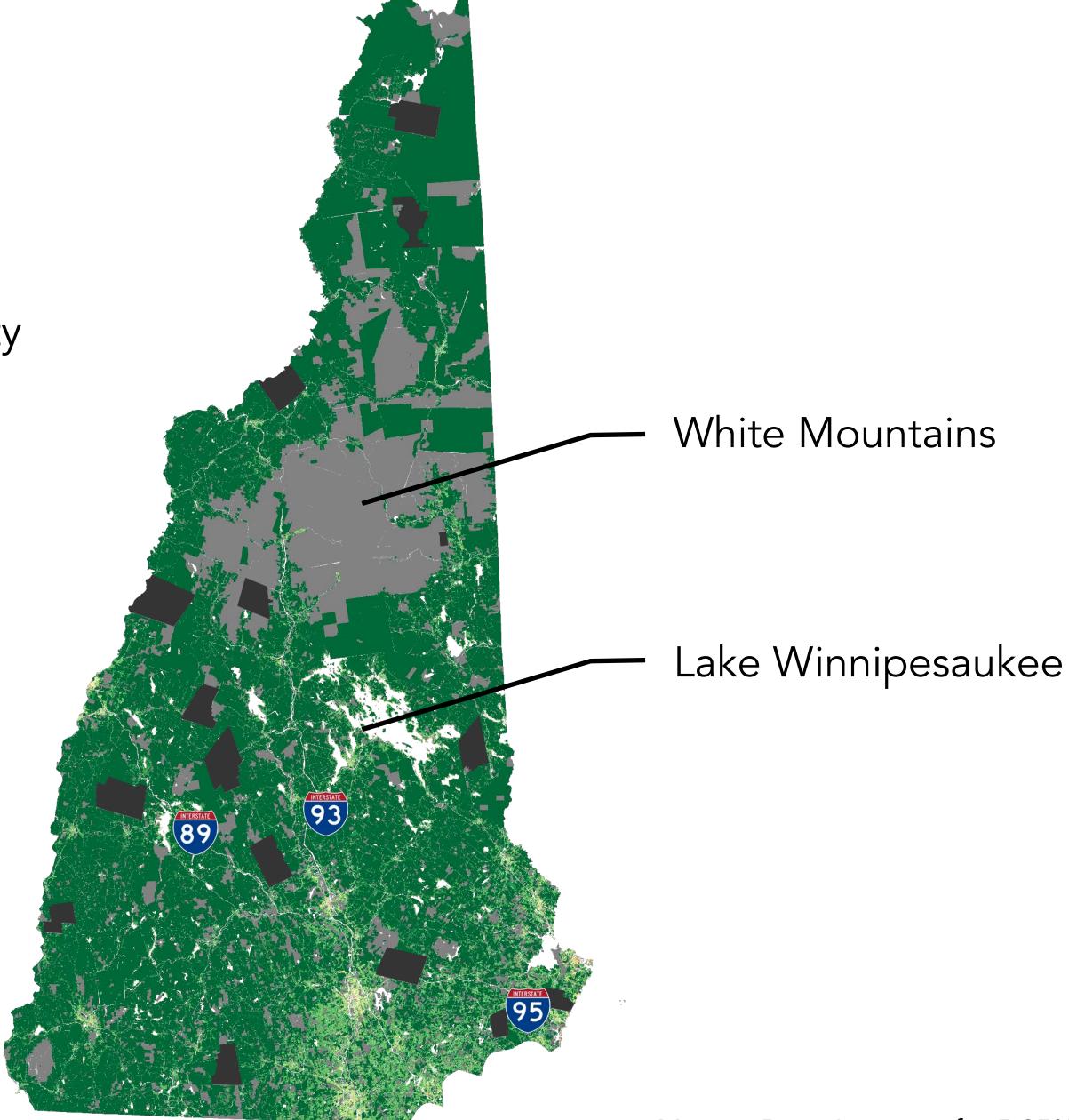








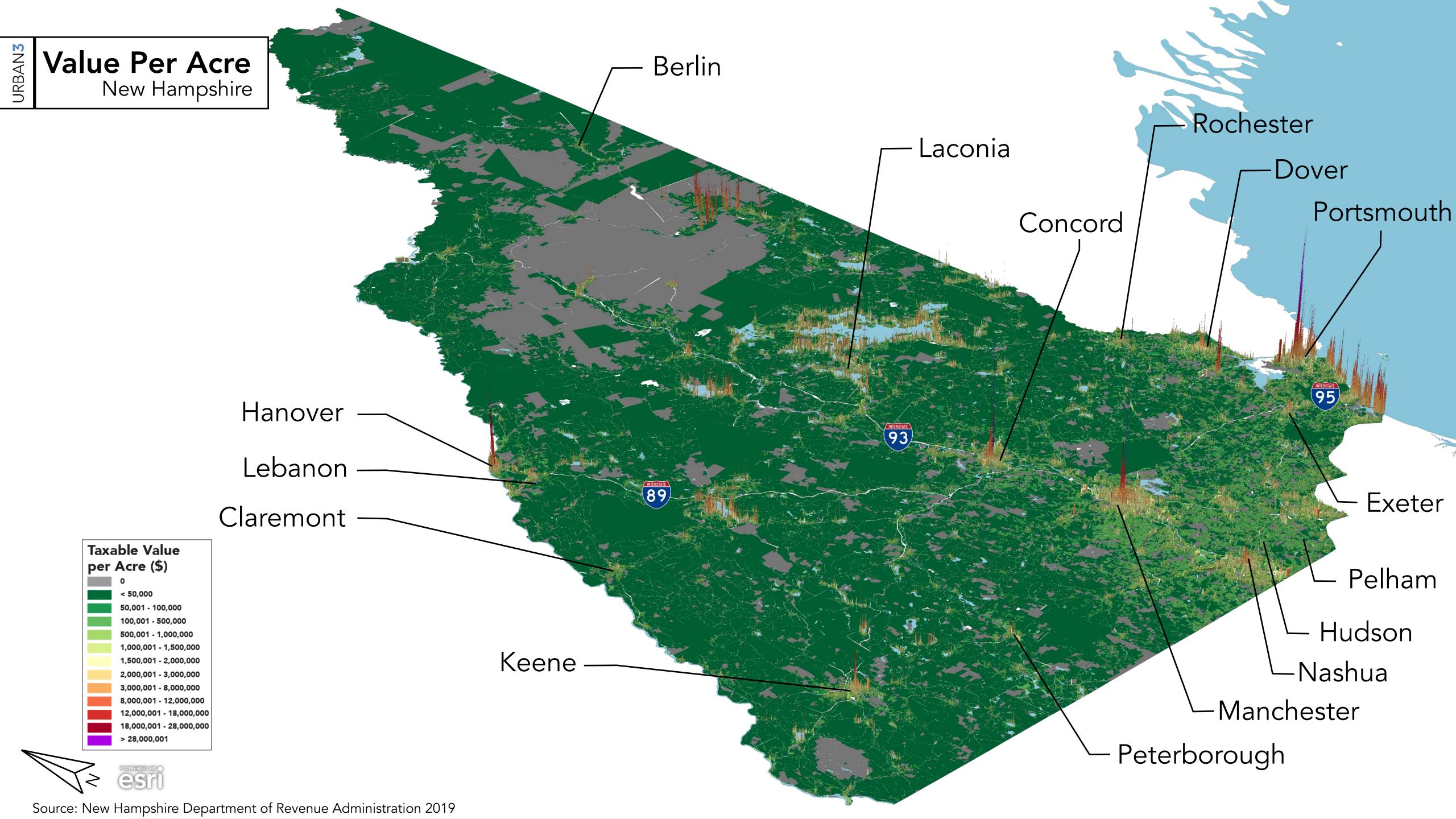
Missing Data: the property is there and paying taxes but isn't mapped.
Significantly rural and undeveloped.

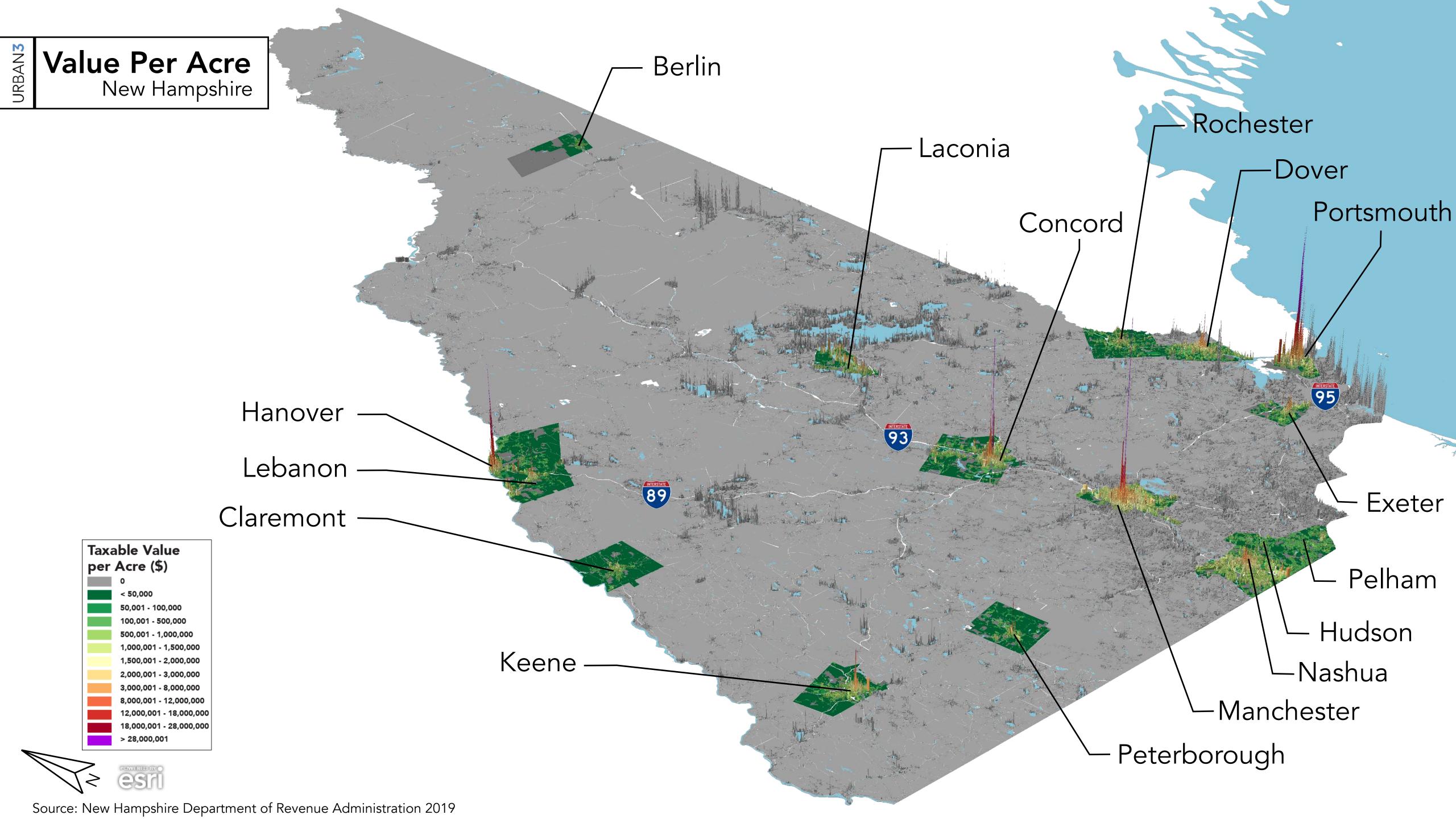


Taxable Value
per Acre (\$)

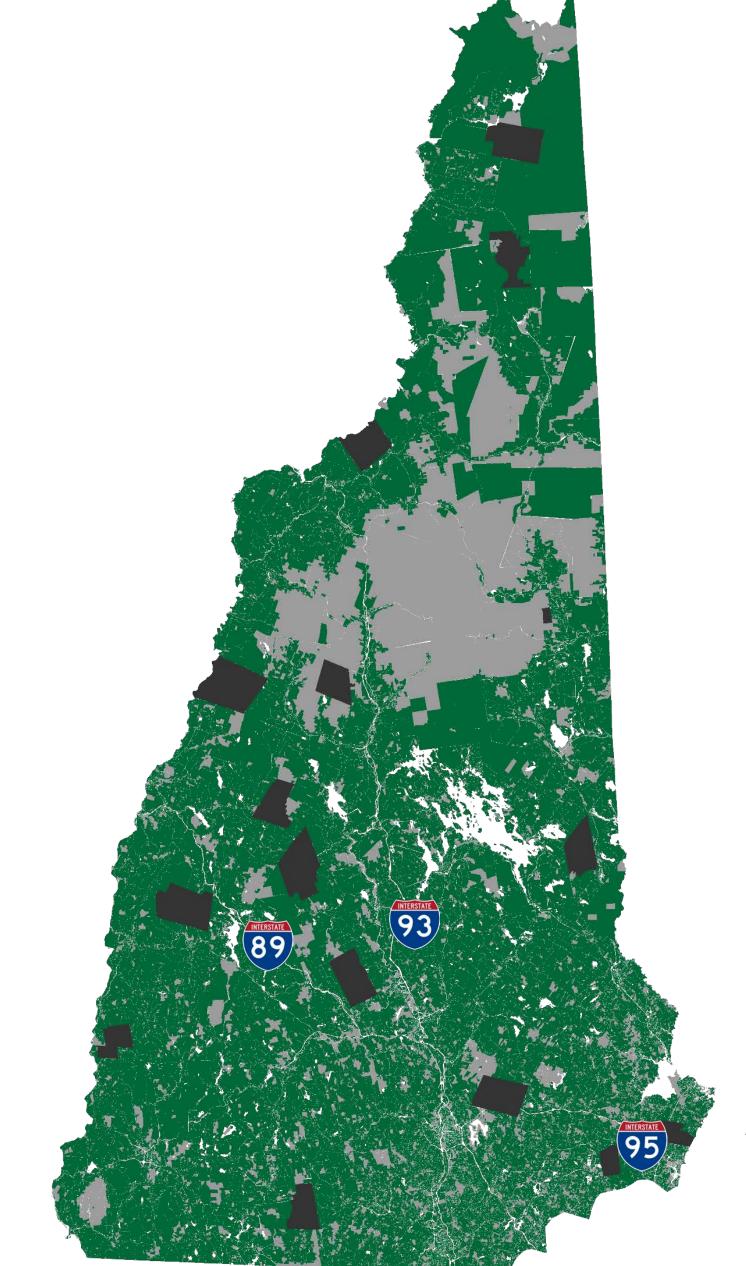
0
<50,000
50,001 - 100,000
100,001 - 500,000
500,001 - 1,000,000
1,000,001 - 1,500,000
1,500,001 - 2,000,000
2,000,001 - 3,000,000
3,000,001 - 12,000,000
12,000,001 - 18,000,000
12,000,001 - 28,000,000
>28,000,001
Missing Data

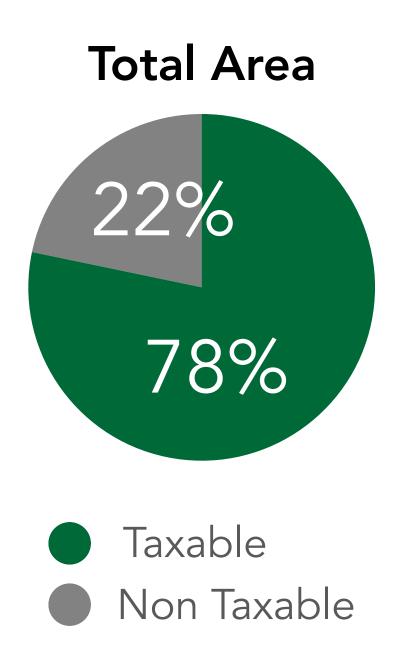
Missing Data Accounts for 5.25% of Total Land Area





#### Taxable Area New Hampshire

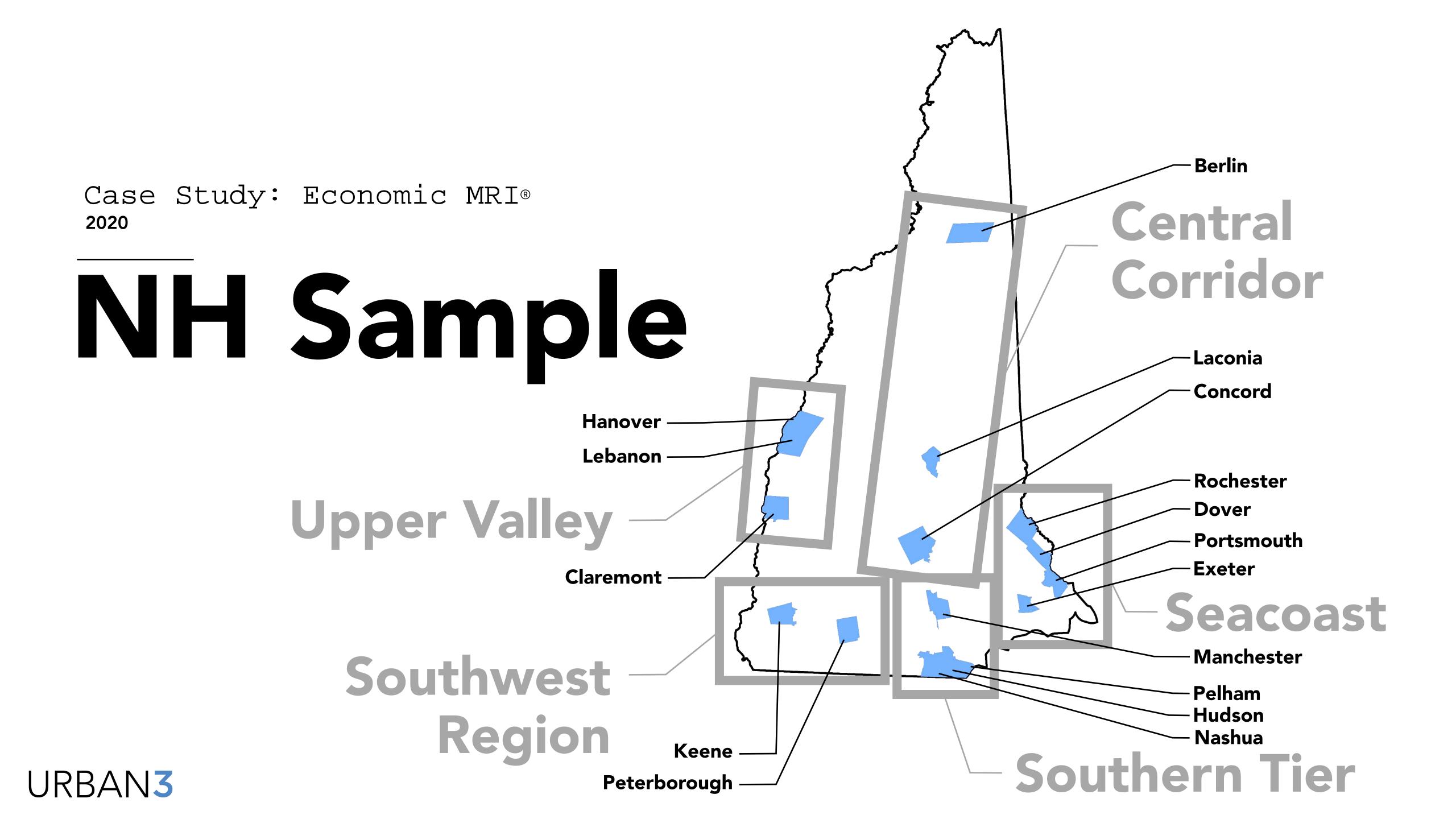




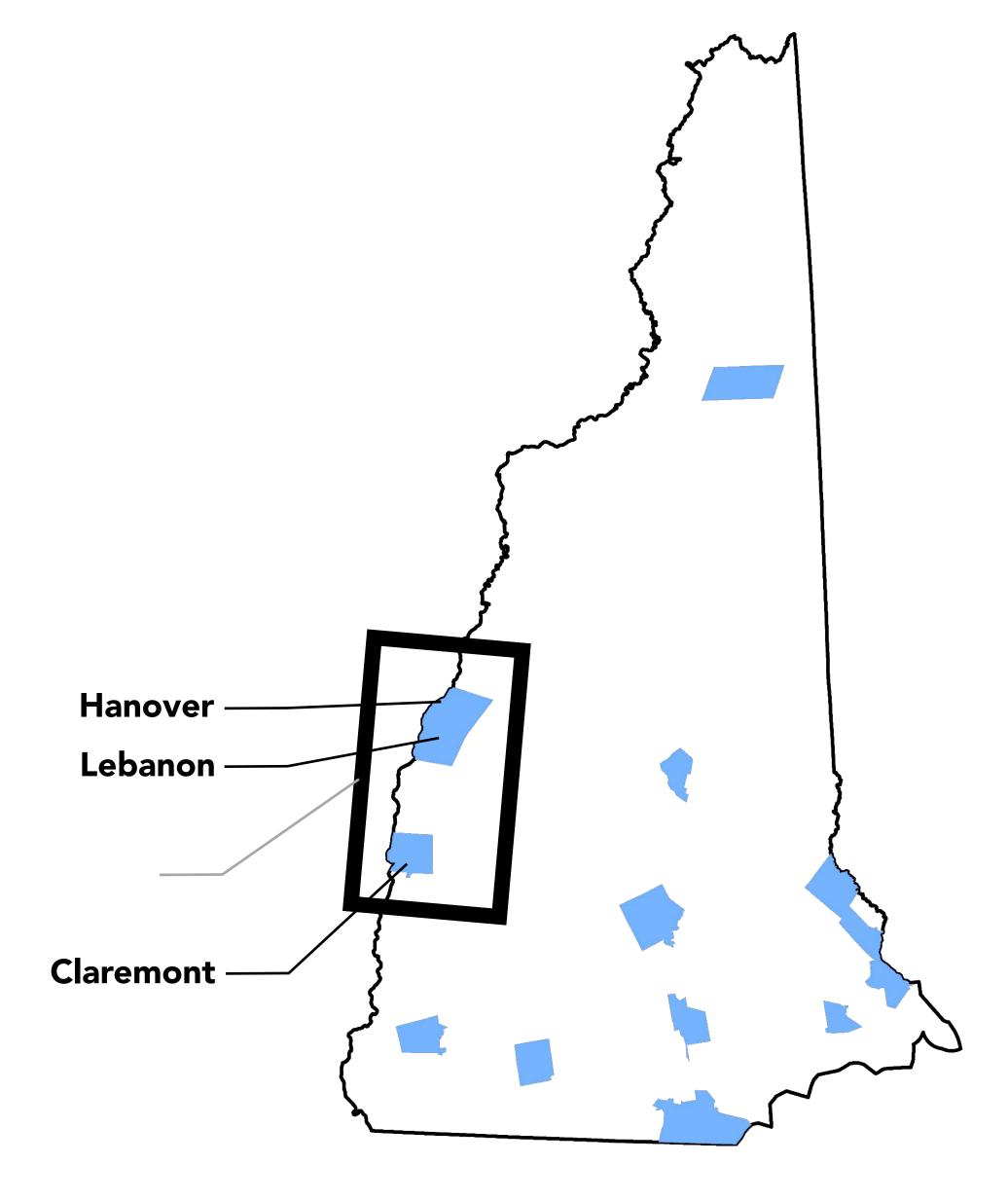


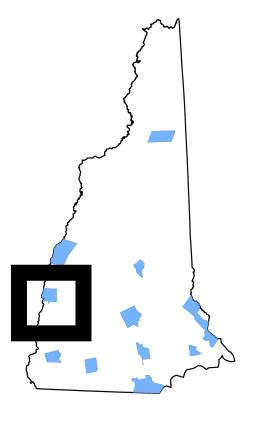


Case Study: Economic MRI® Central 2020 Corridor NH Sample **Upper Valley** Seacoast Southwest Region Southern Tier URBAN3

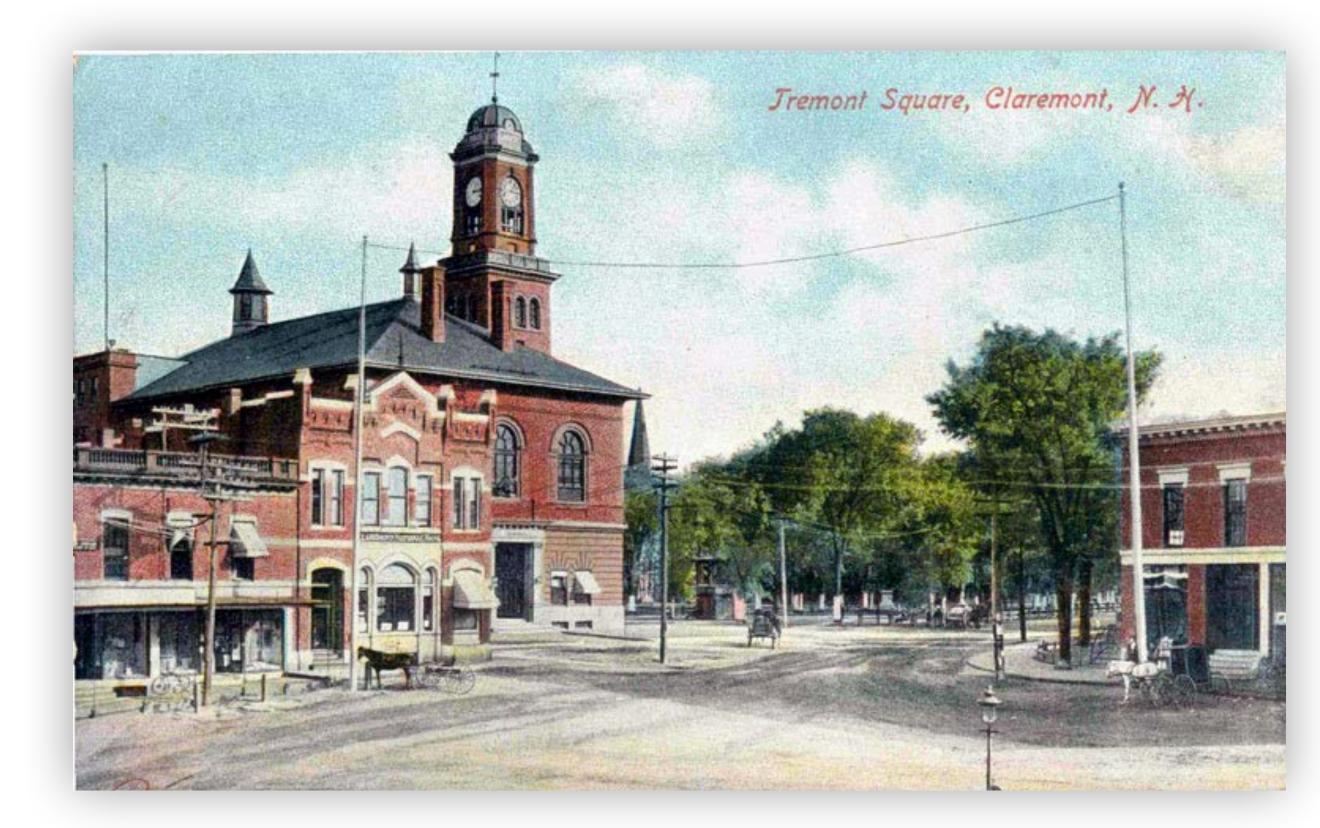


#### Upper Valley





#### Claremont

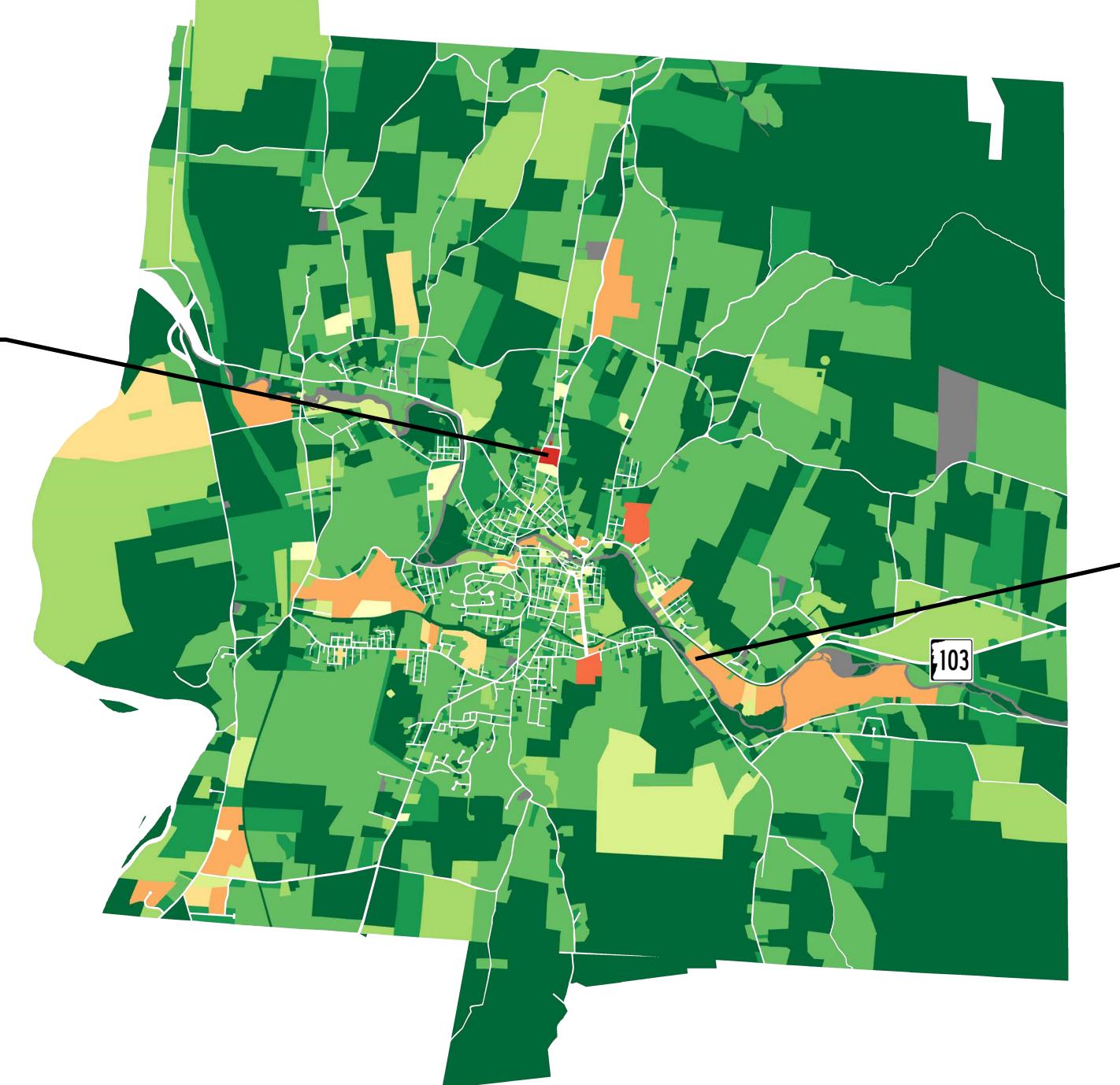


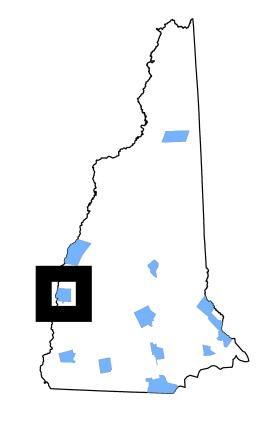


#### Total Value

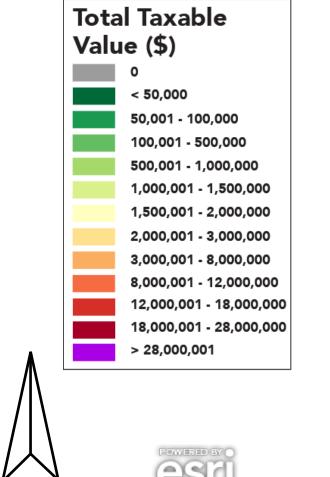










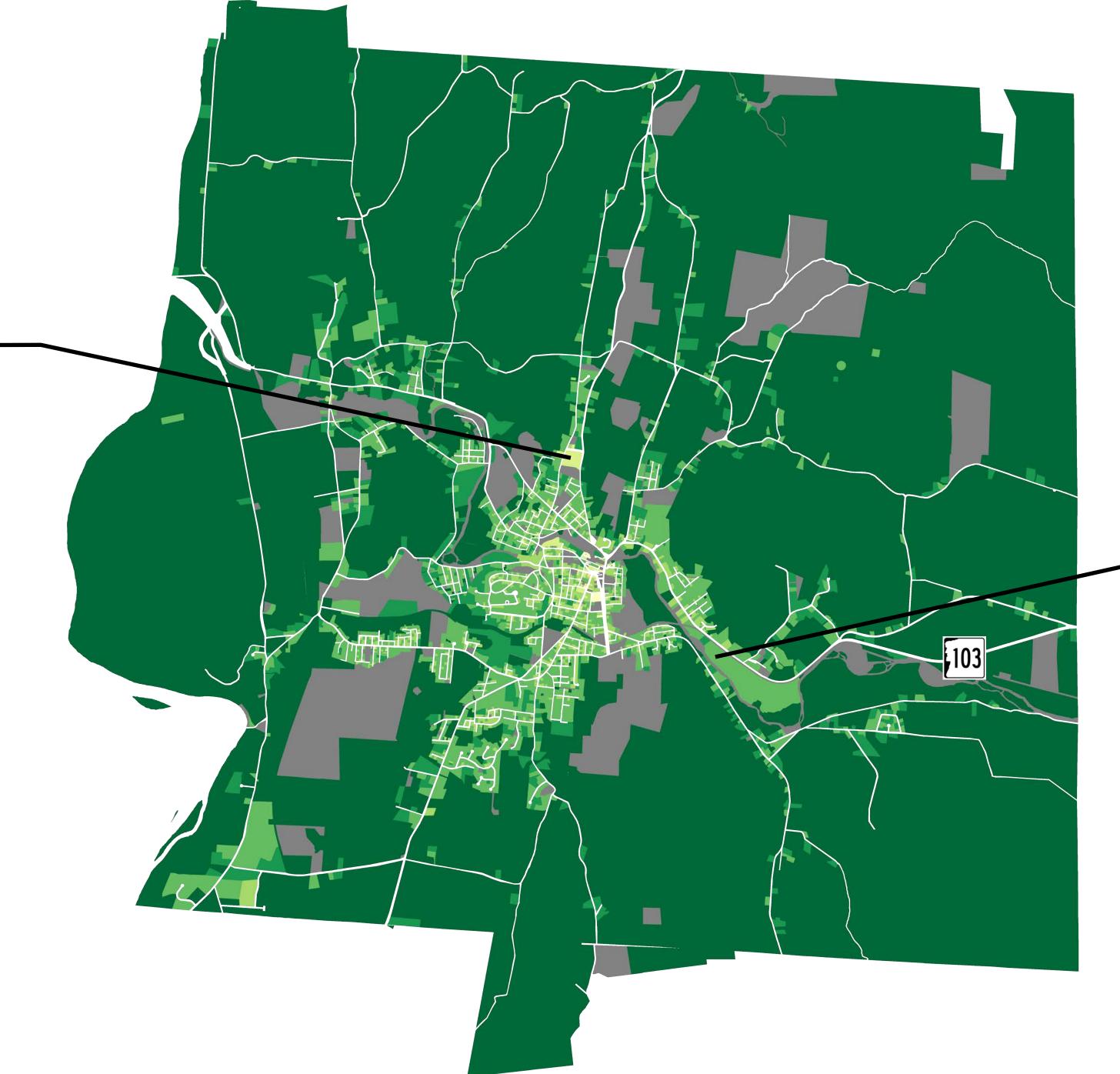


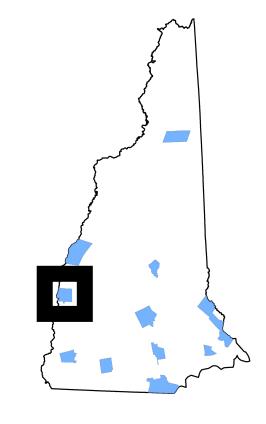
Source: New Hampshire Department of Revenue Administration 2019

#### Value Per Acre

Claremont









Missing Data

Powered By o

**Taxable Value** 

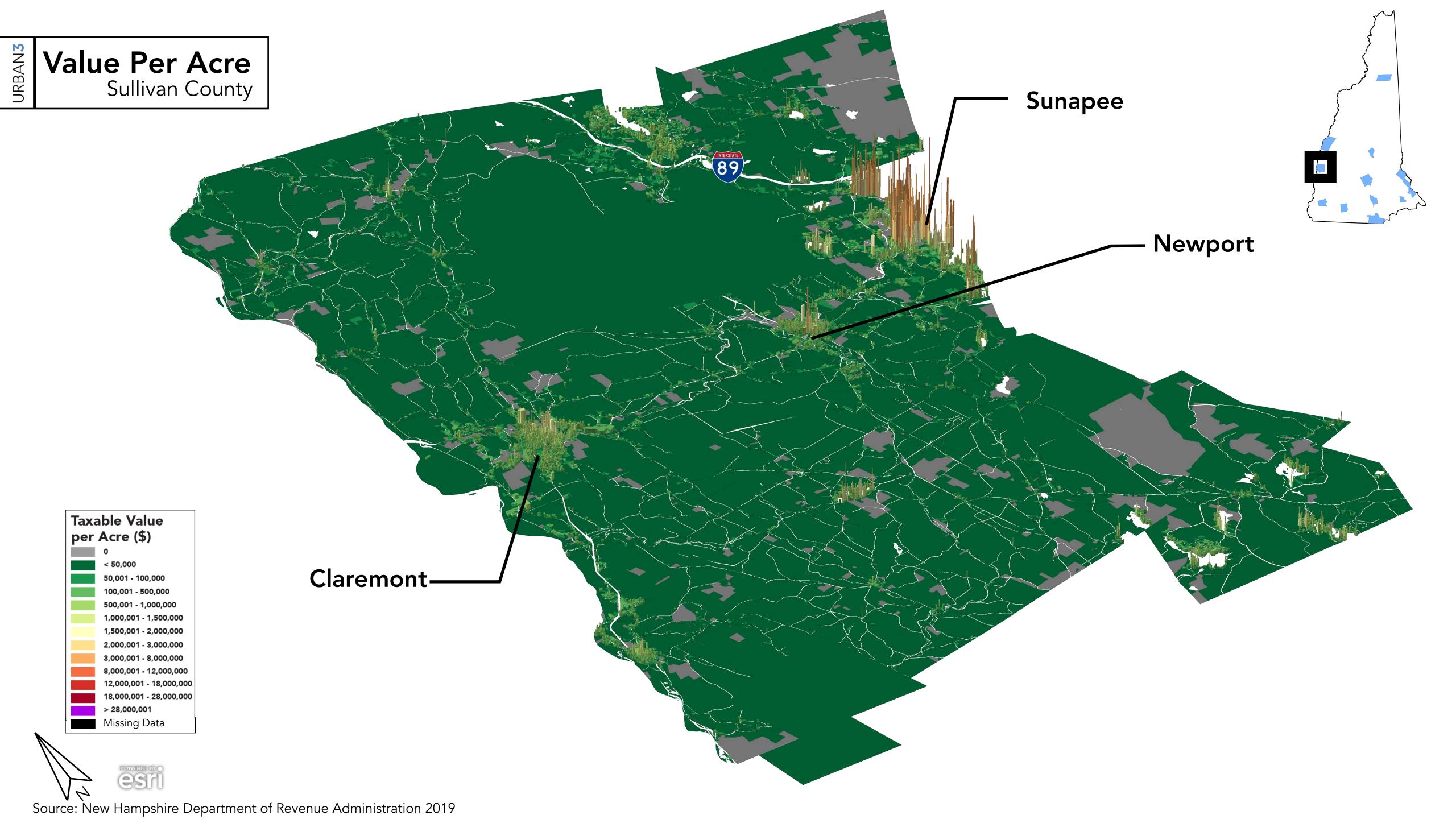
< 50,000

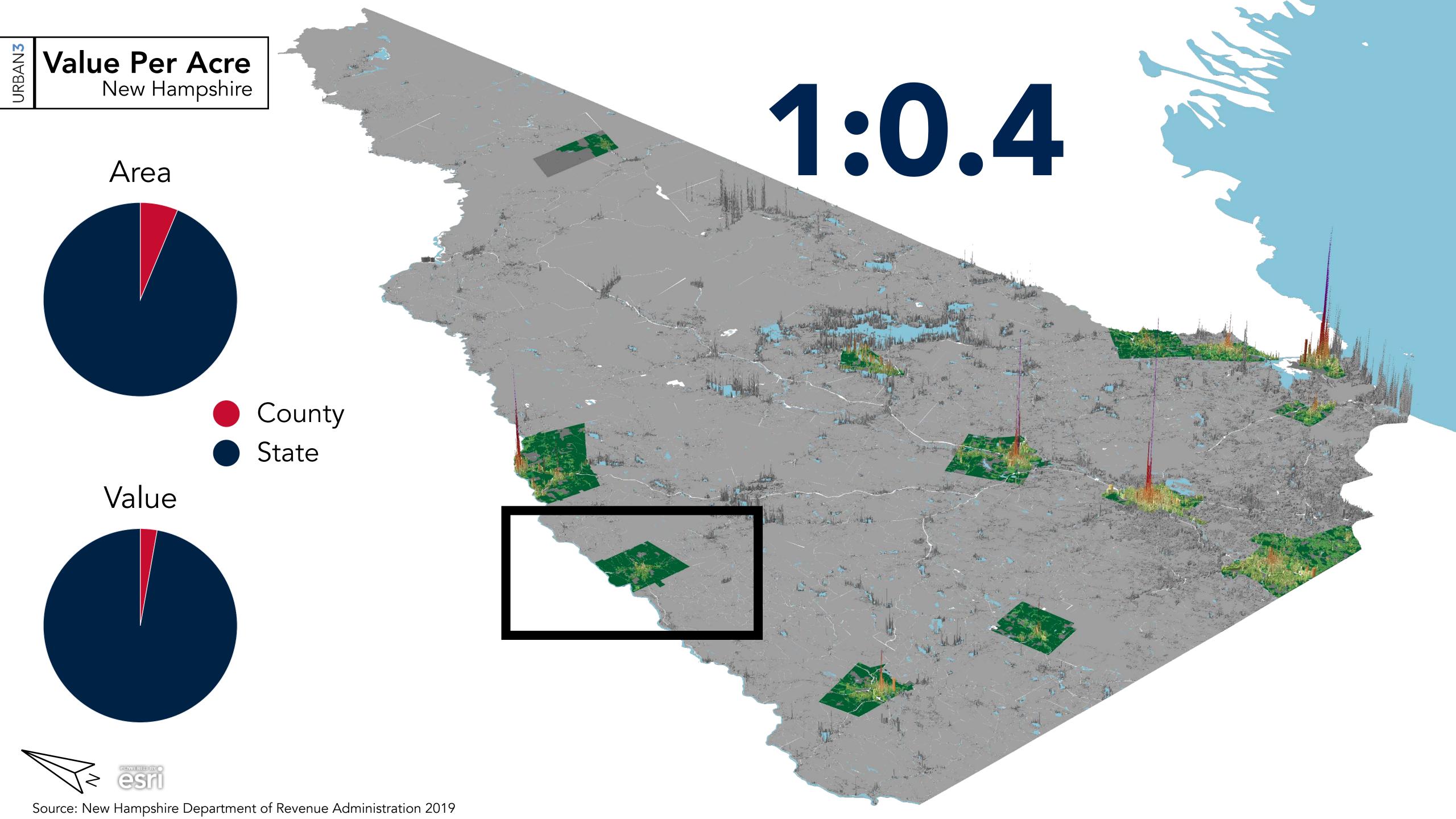
50,001 - 100,000 100,001 - 500,000 500,001 - 1,000,000 1,000,001 - 1,500,000 1,500,001 - 2,000,000 2,000,001 - 3,000,000 3,000,001 - 8,000,000 8,000,001 - 12,000,000 12,000,001 - 18,000,000 18,000,001 - 28,000,000

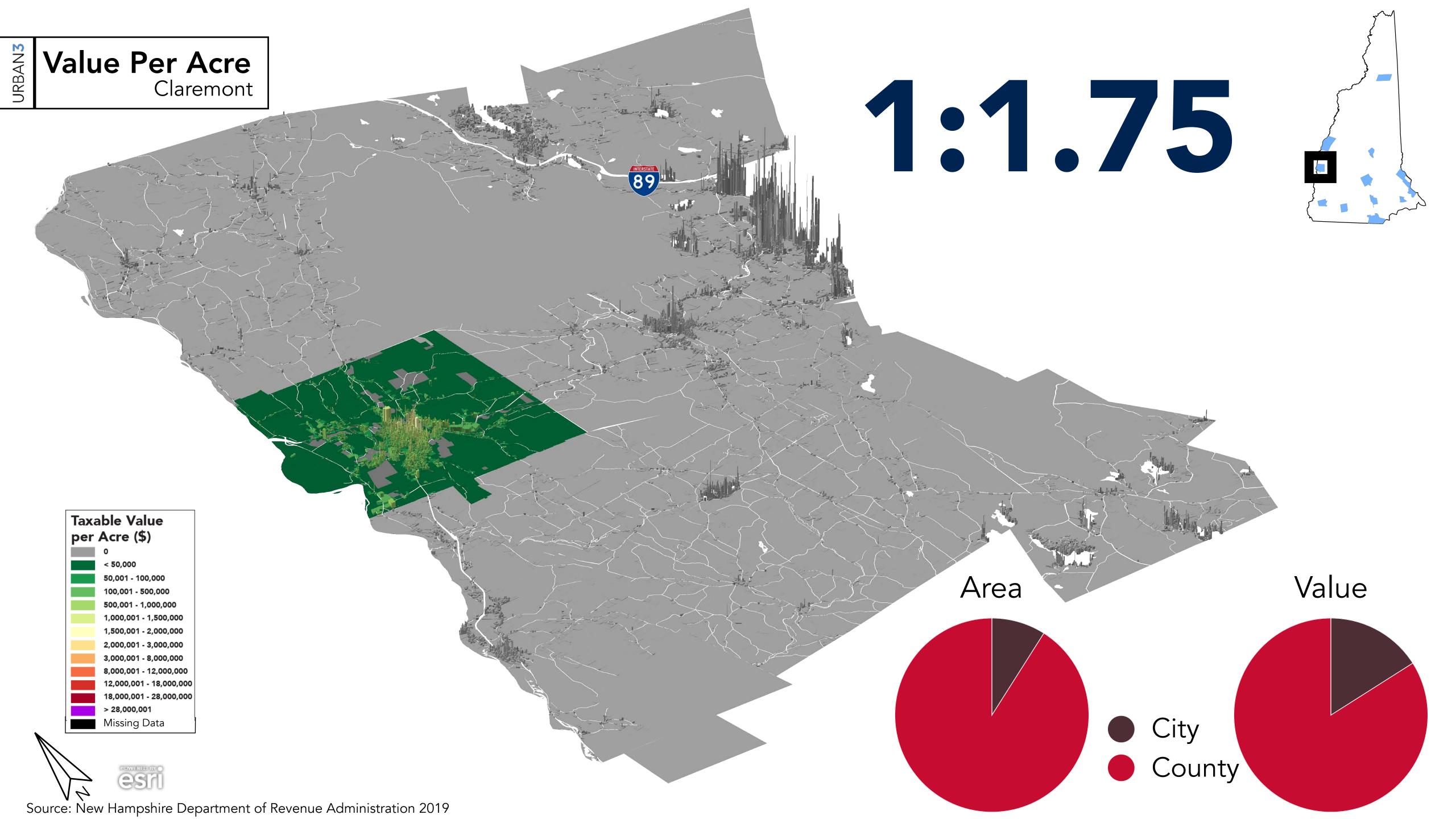
> 28,000,001

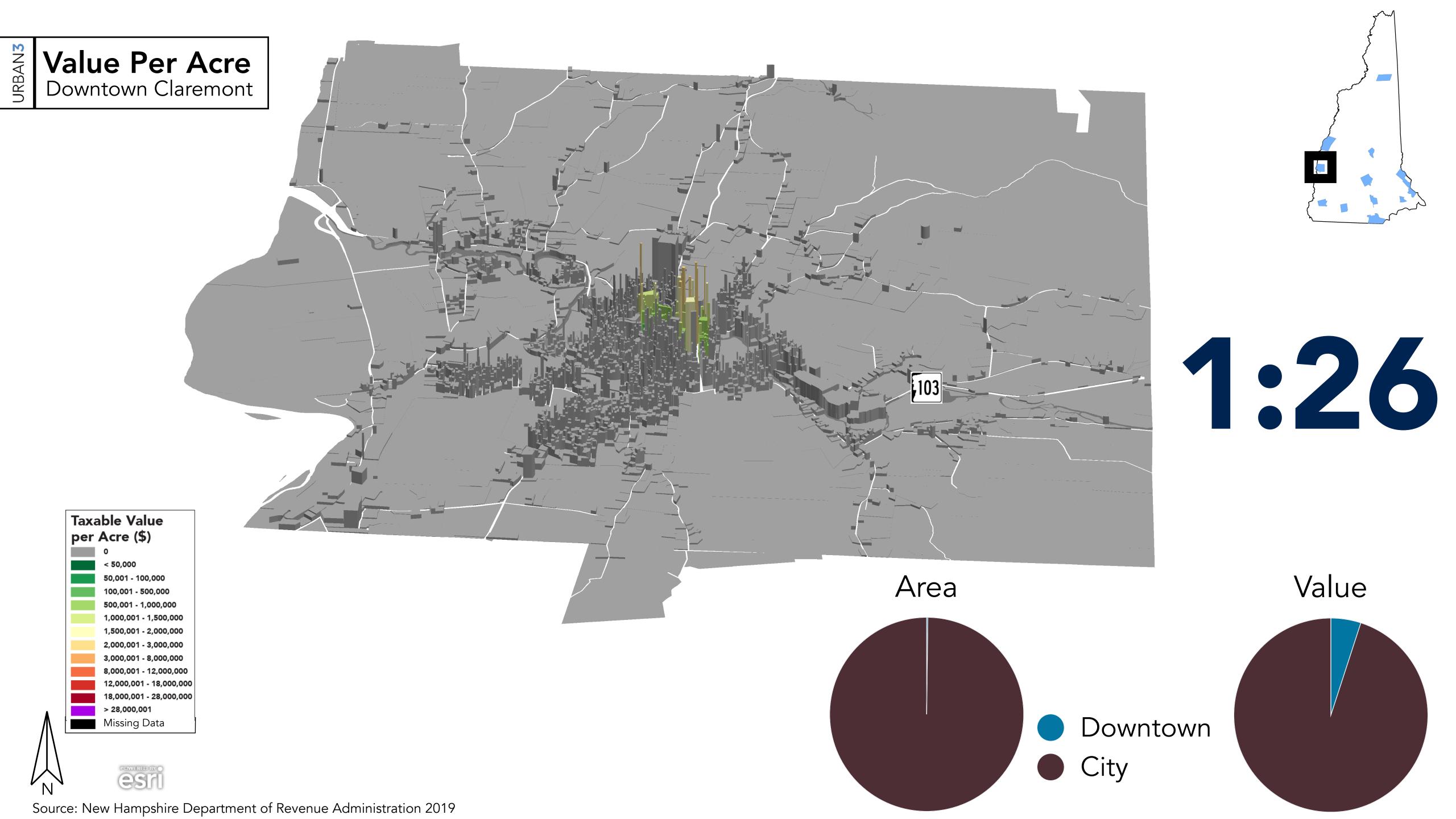
per Acre (\$)

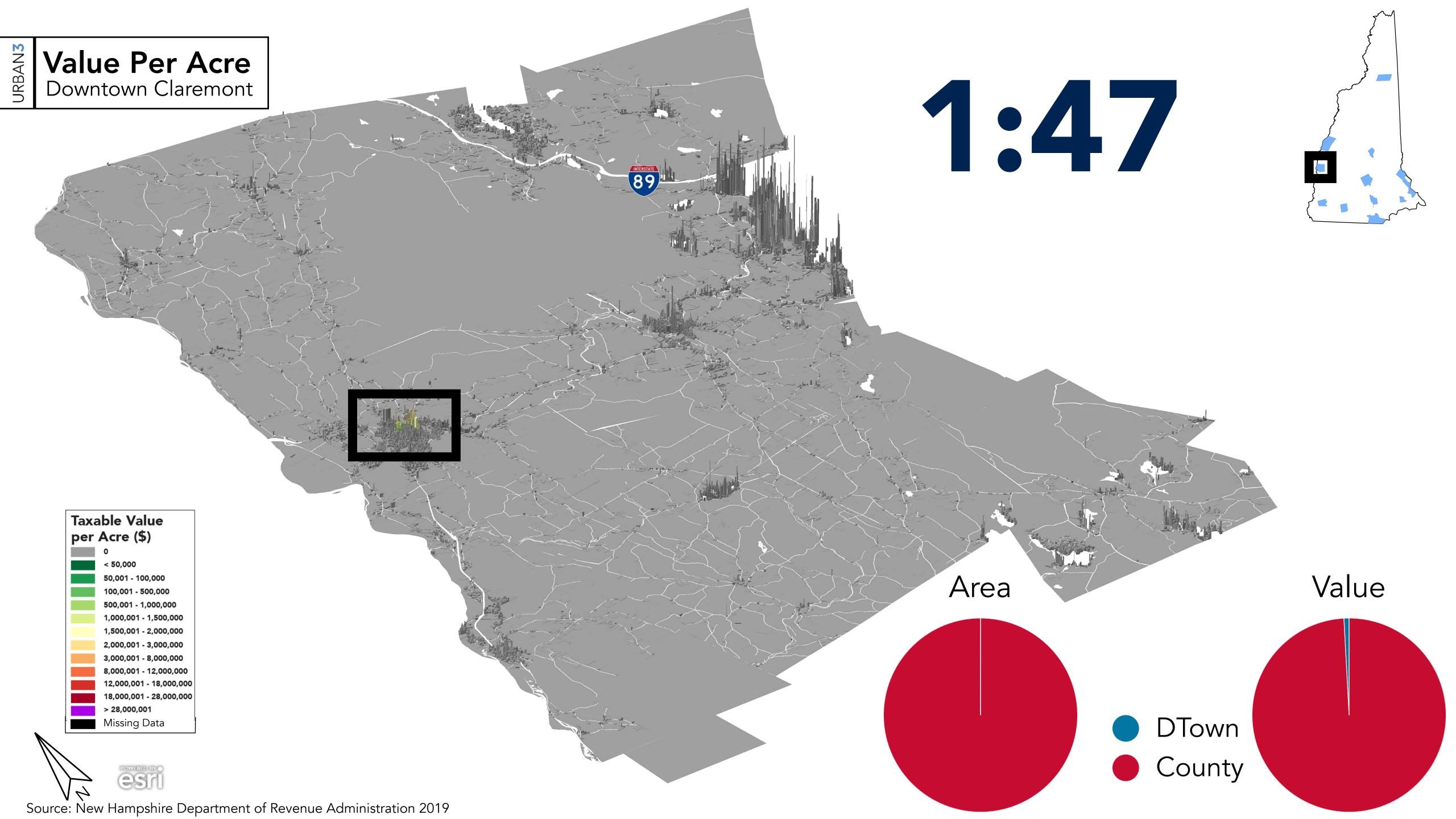
Source: New Hampshire Department of Revenue Administration 2019









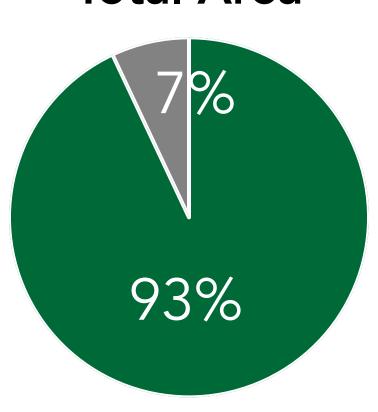


Source: New Hampshire Department of Revenue Administration 2019

### Taxable Area

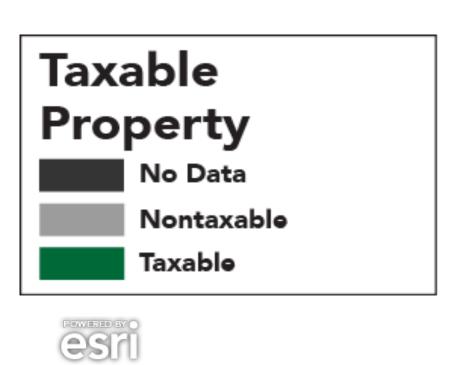
Claremont

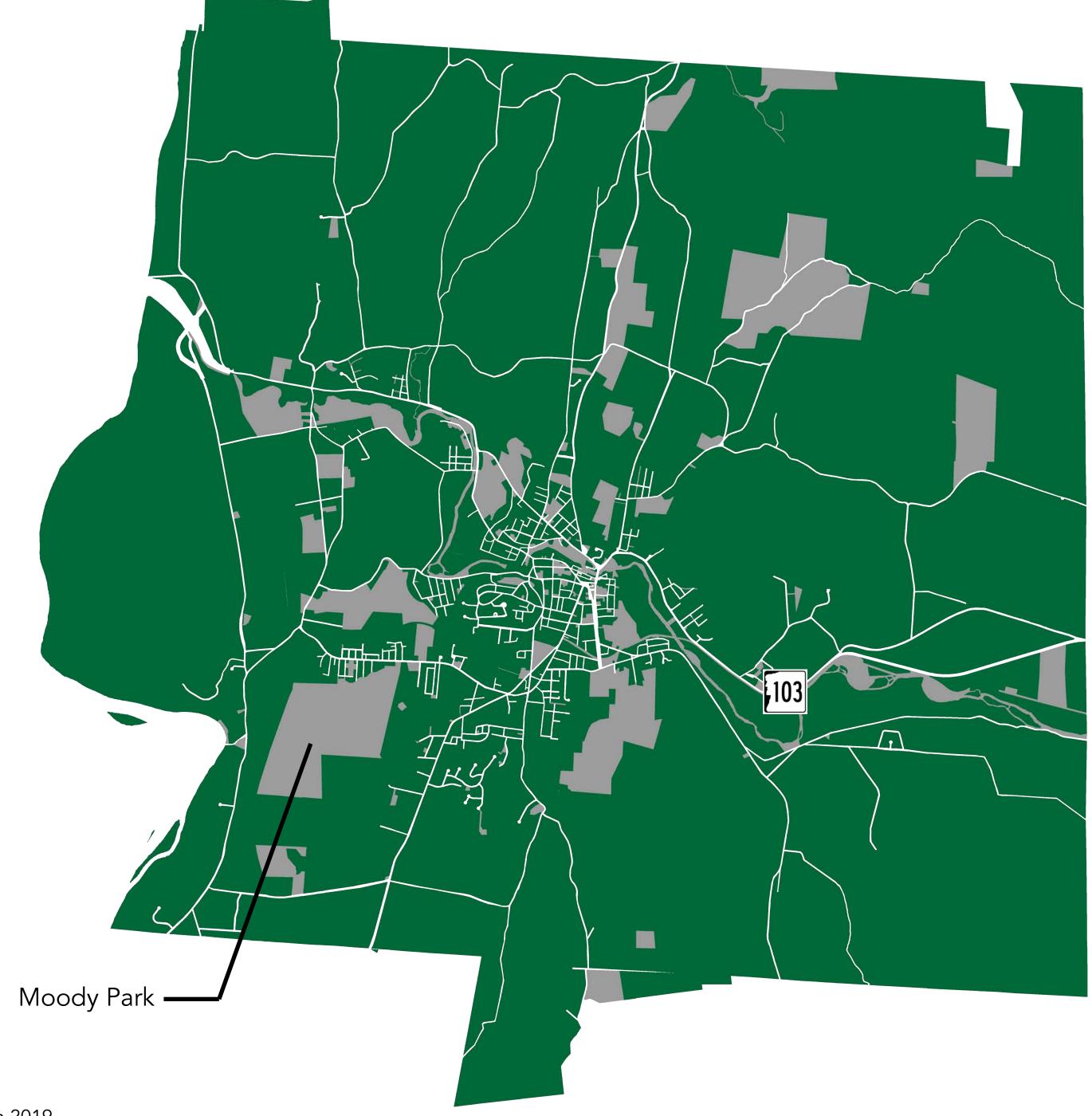
### **Total Area**



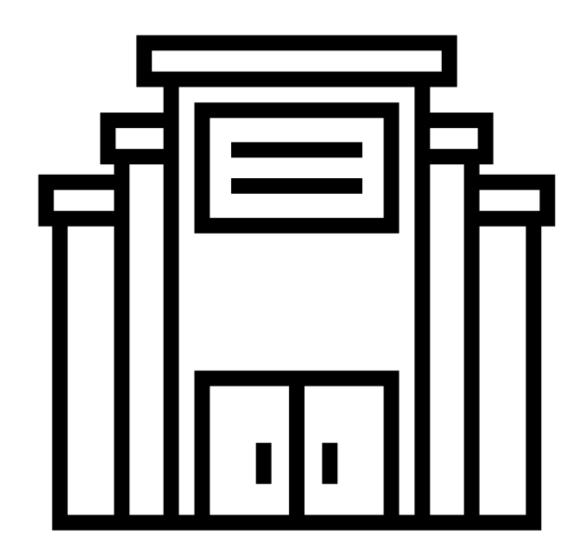
Taxable

Nontaxable





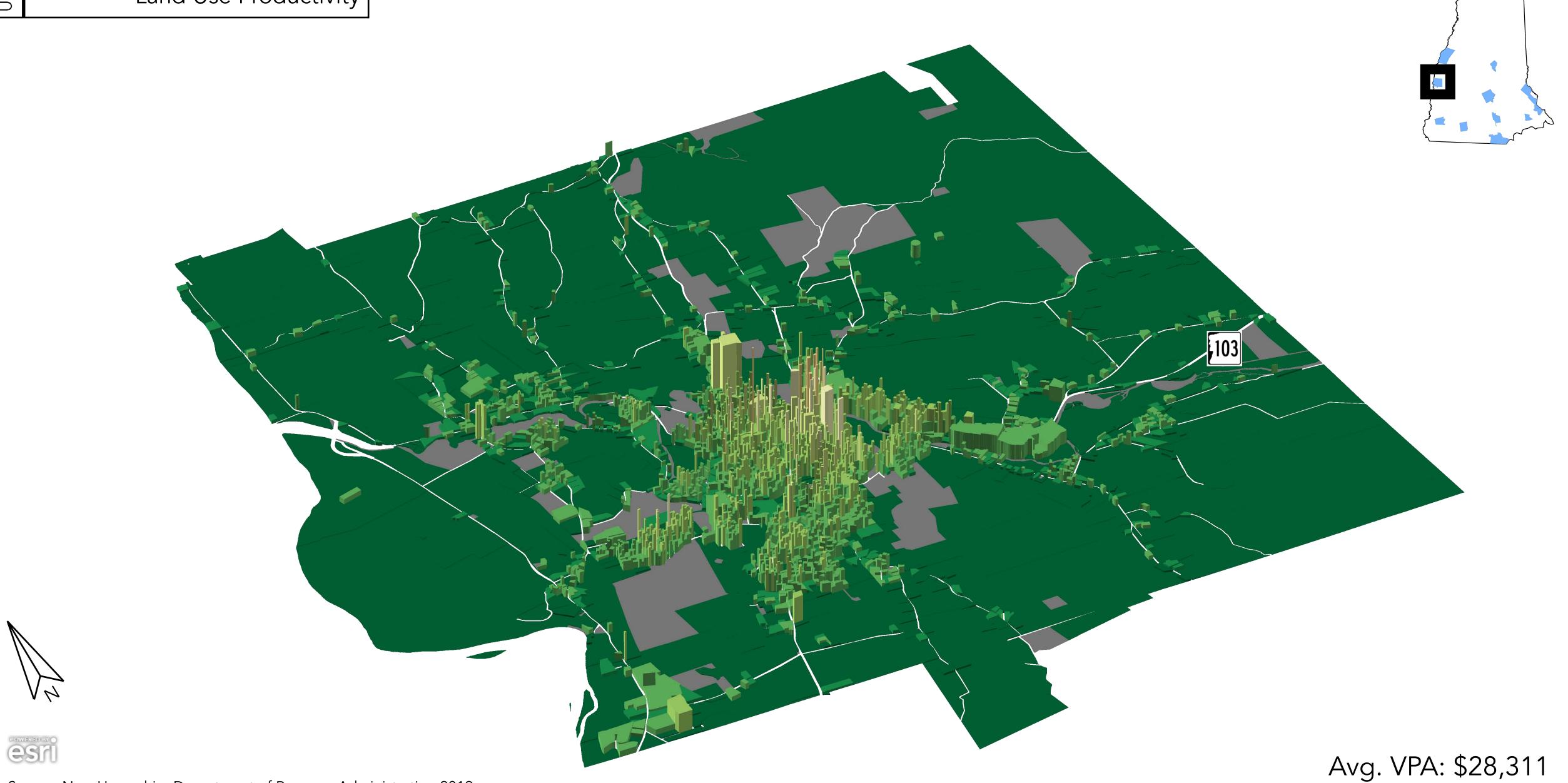


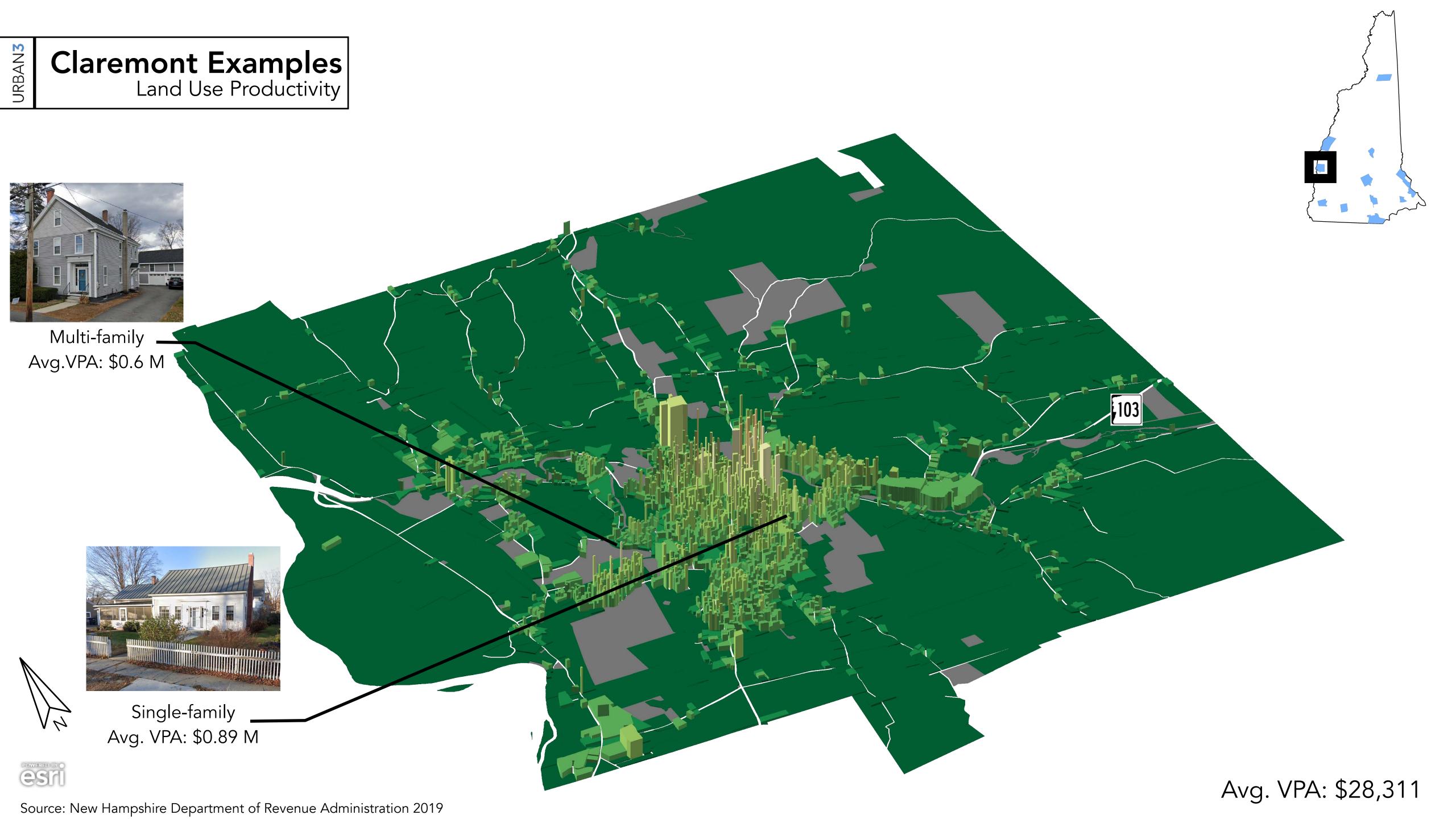


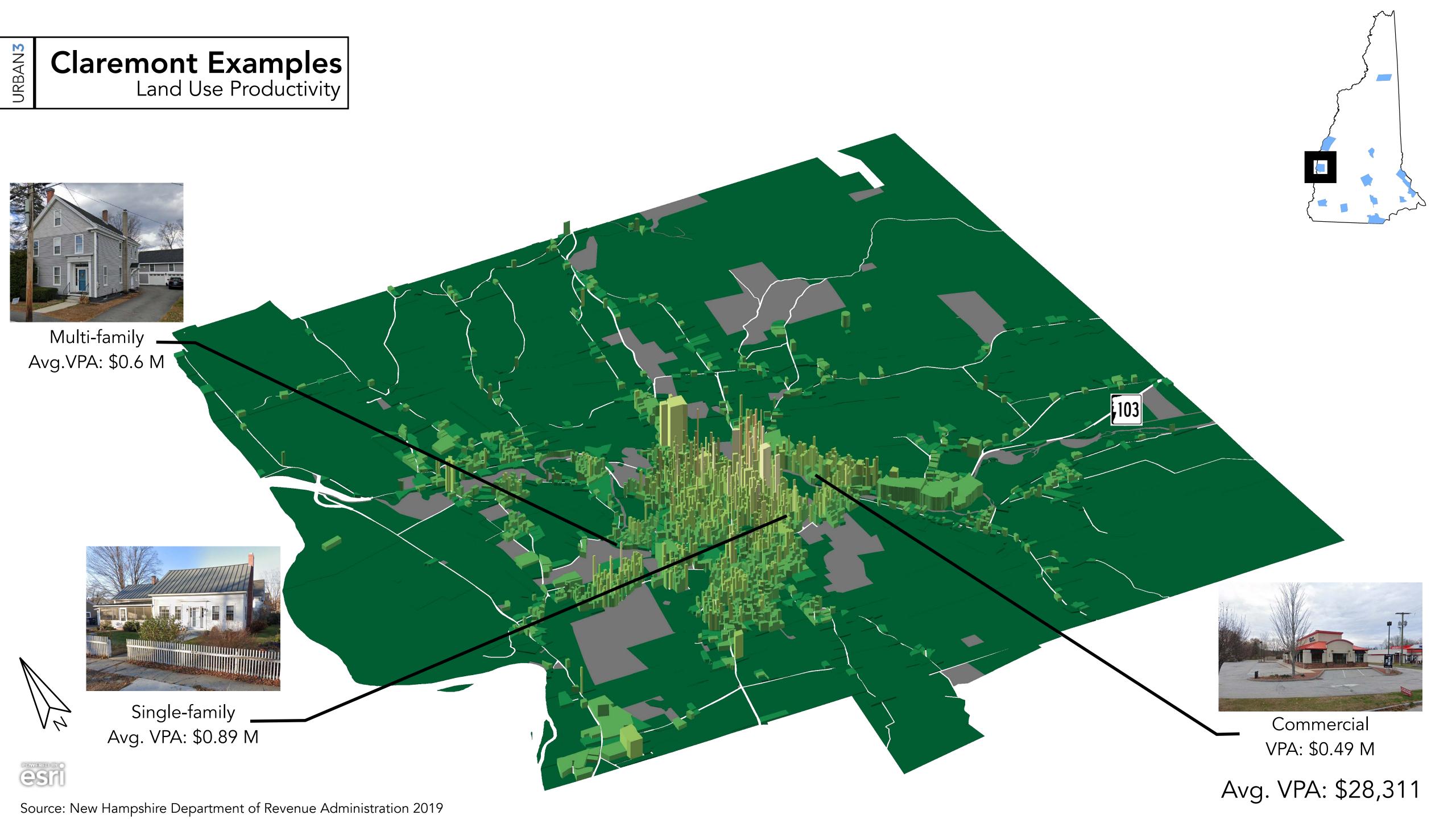
# Land Use Types

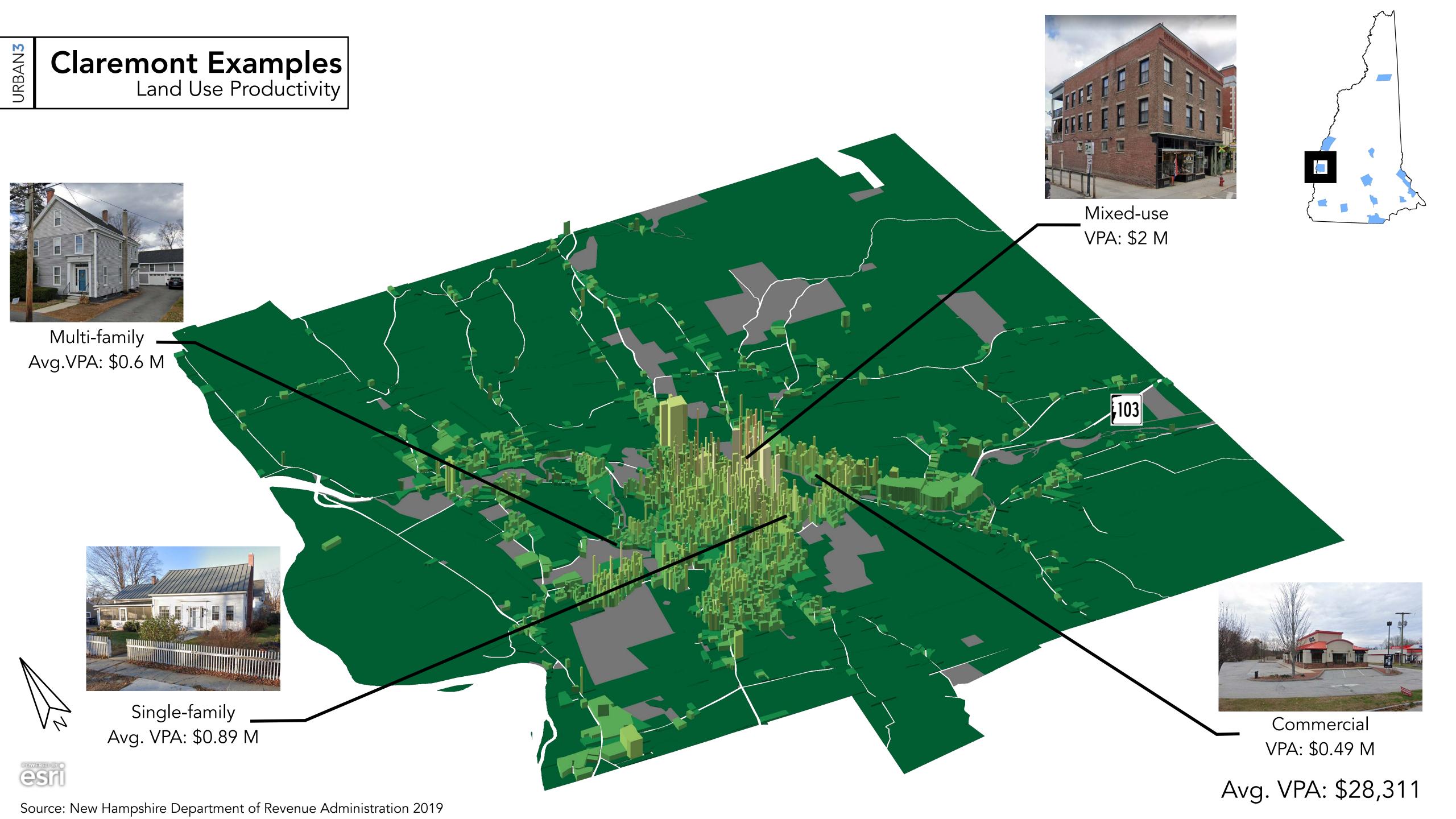
Local samples of buildings and development types

## Claremont Examples Land Use Productivity



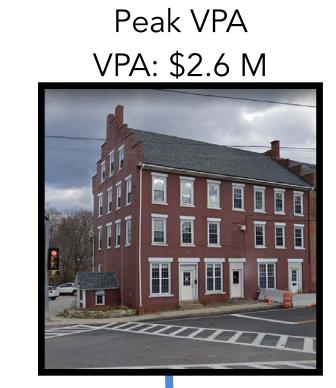




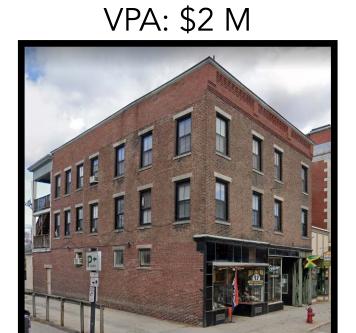


## Claremont Examples Land Use Productivity









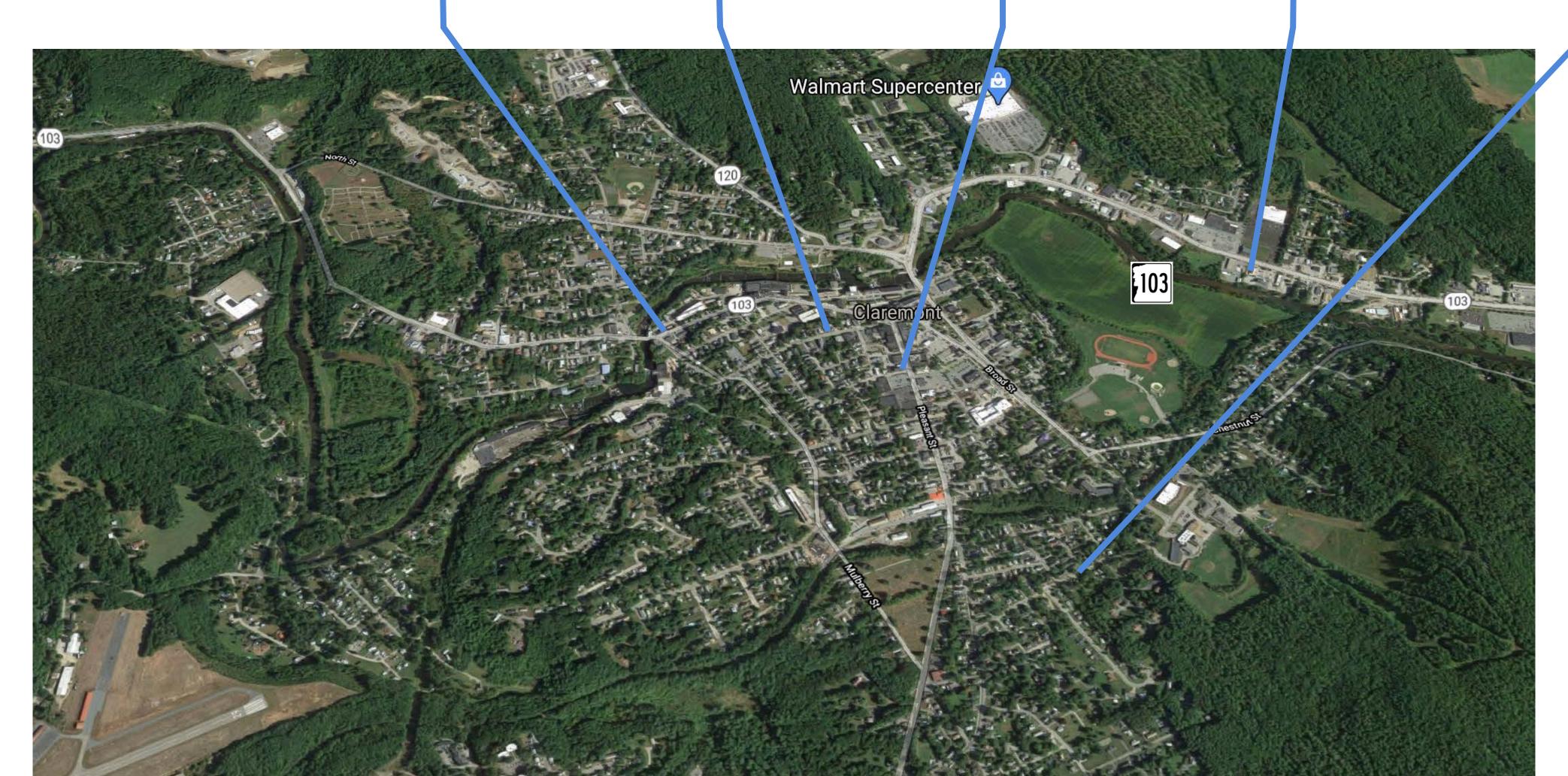
Mixed-use





Single-family



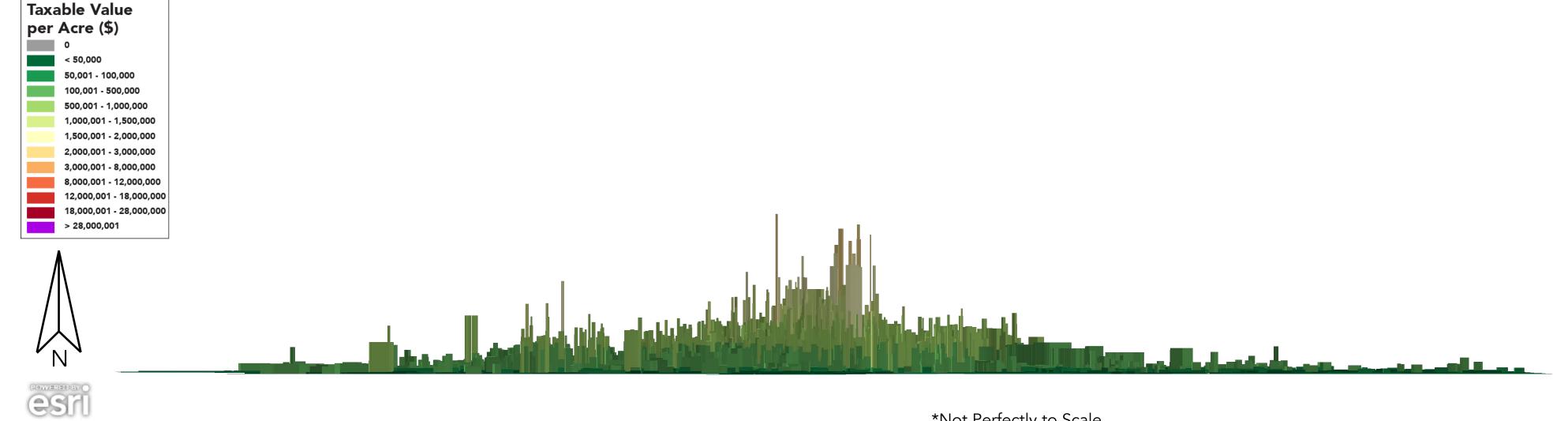






Geospatial Analysis

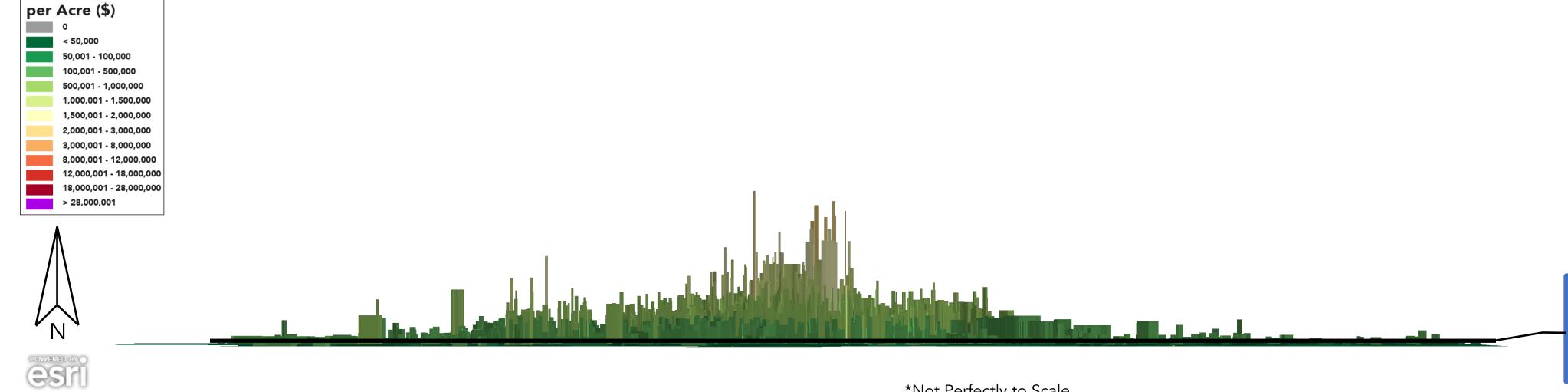
Land Use Productivity



**Taxable Value** 

### **Claremont Profile**

Land Use Productivity

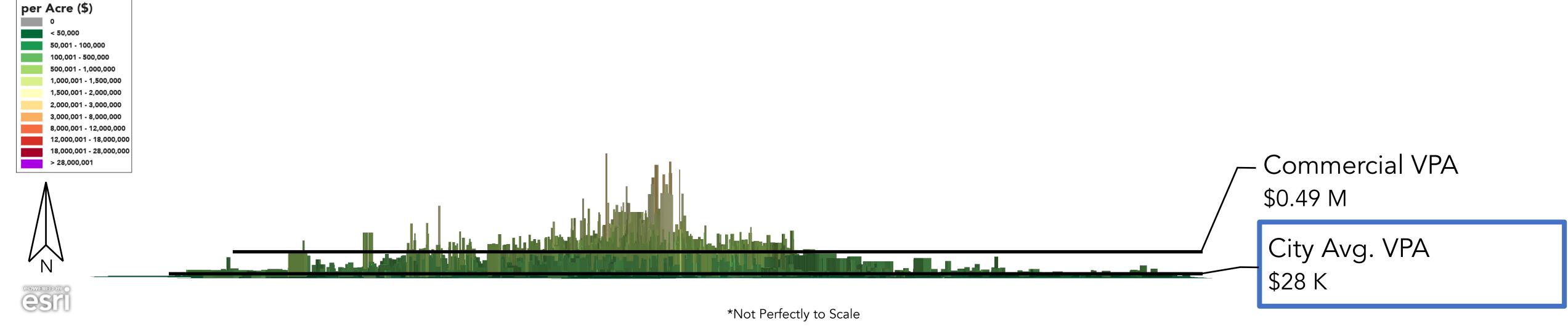


City Avg. VPA \$28 K

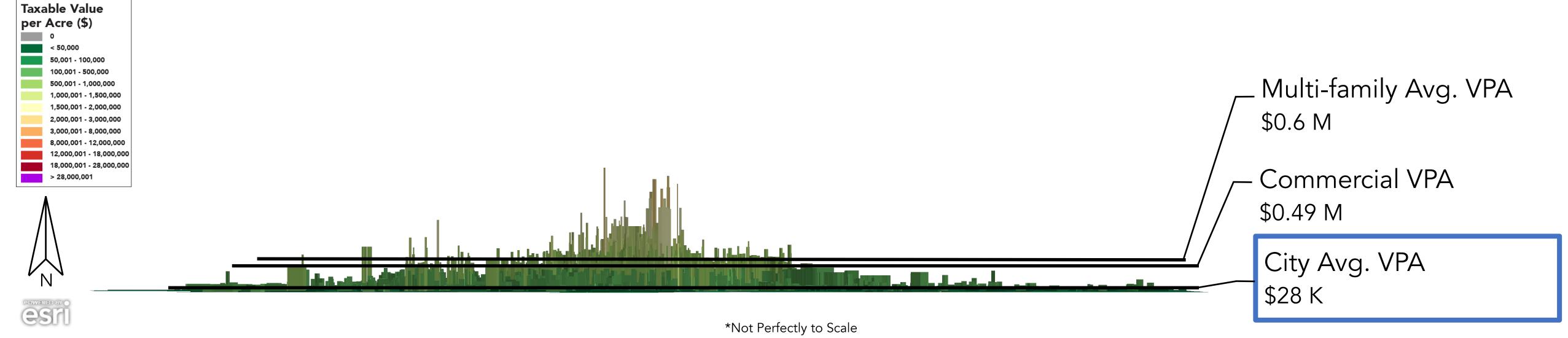
**Taxable Value** 

### **Claremont Profile**

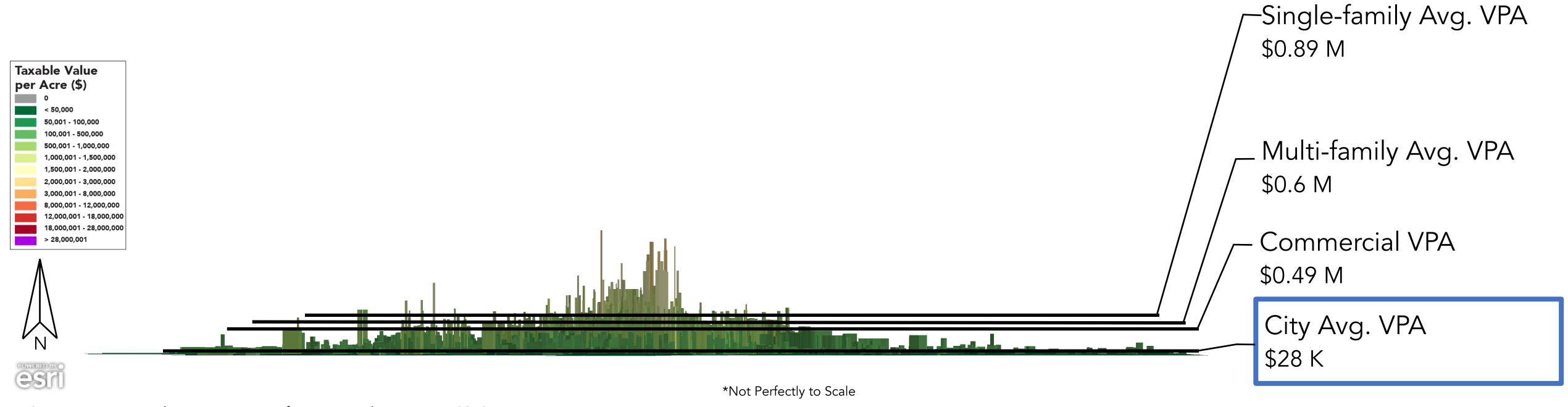
Land Use Productivity



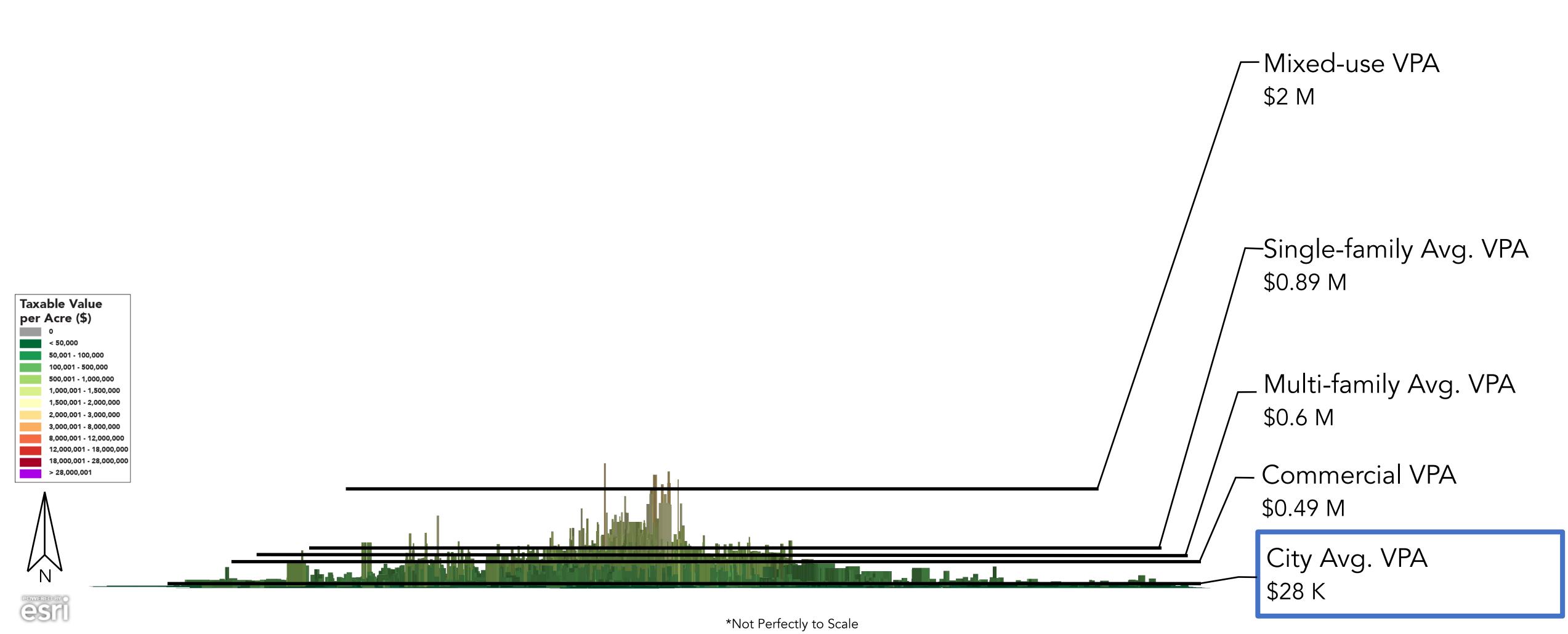
Land Use Productivity



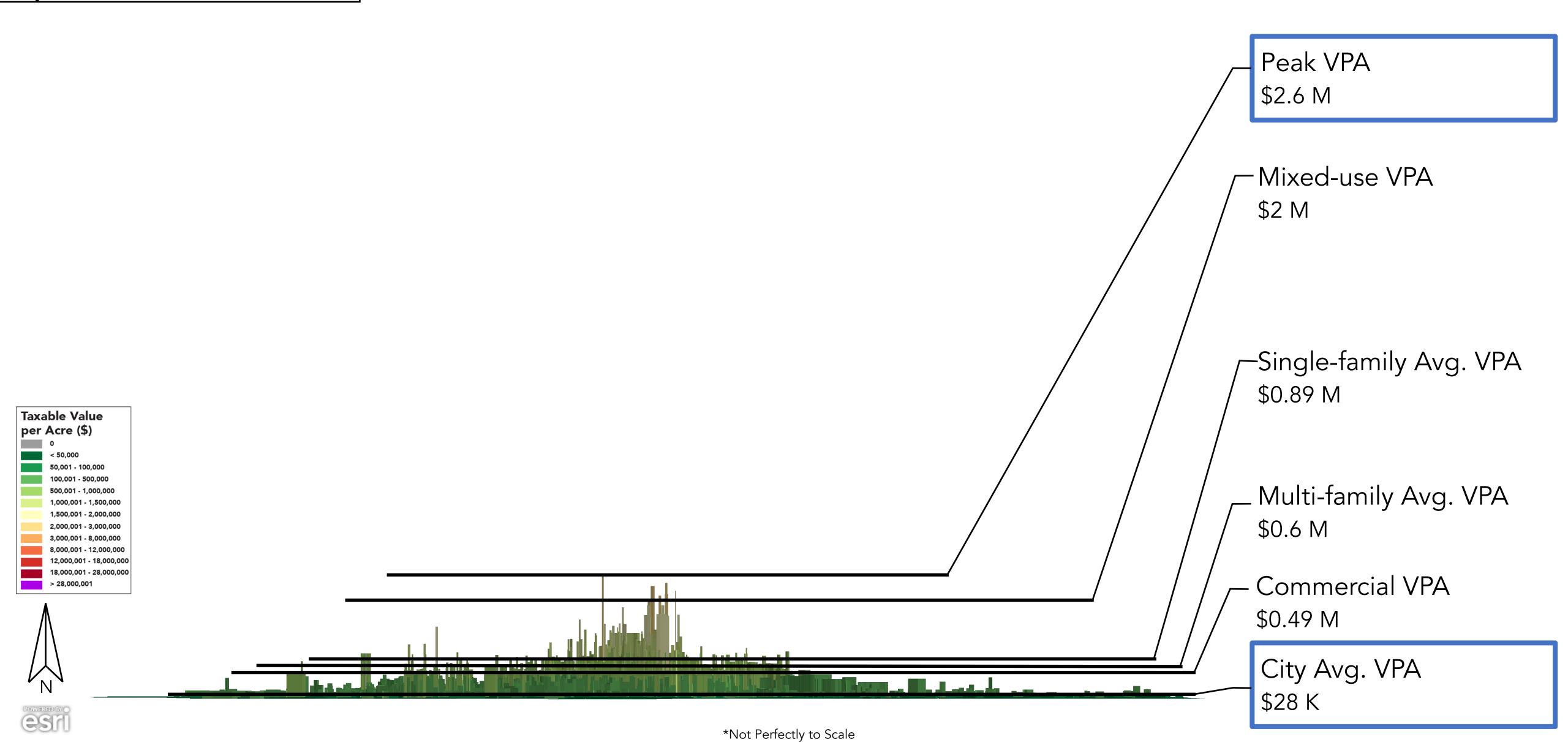
Land Use Productivity

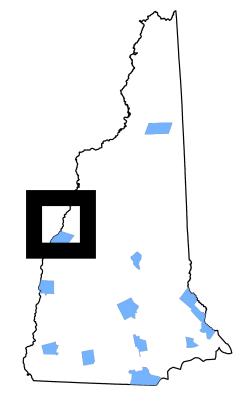


Land Use Productivity



Land Use Productivity



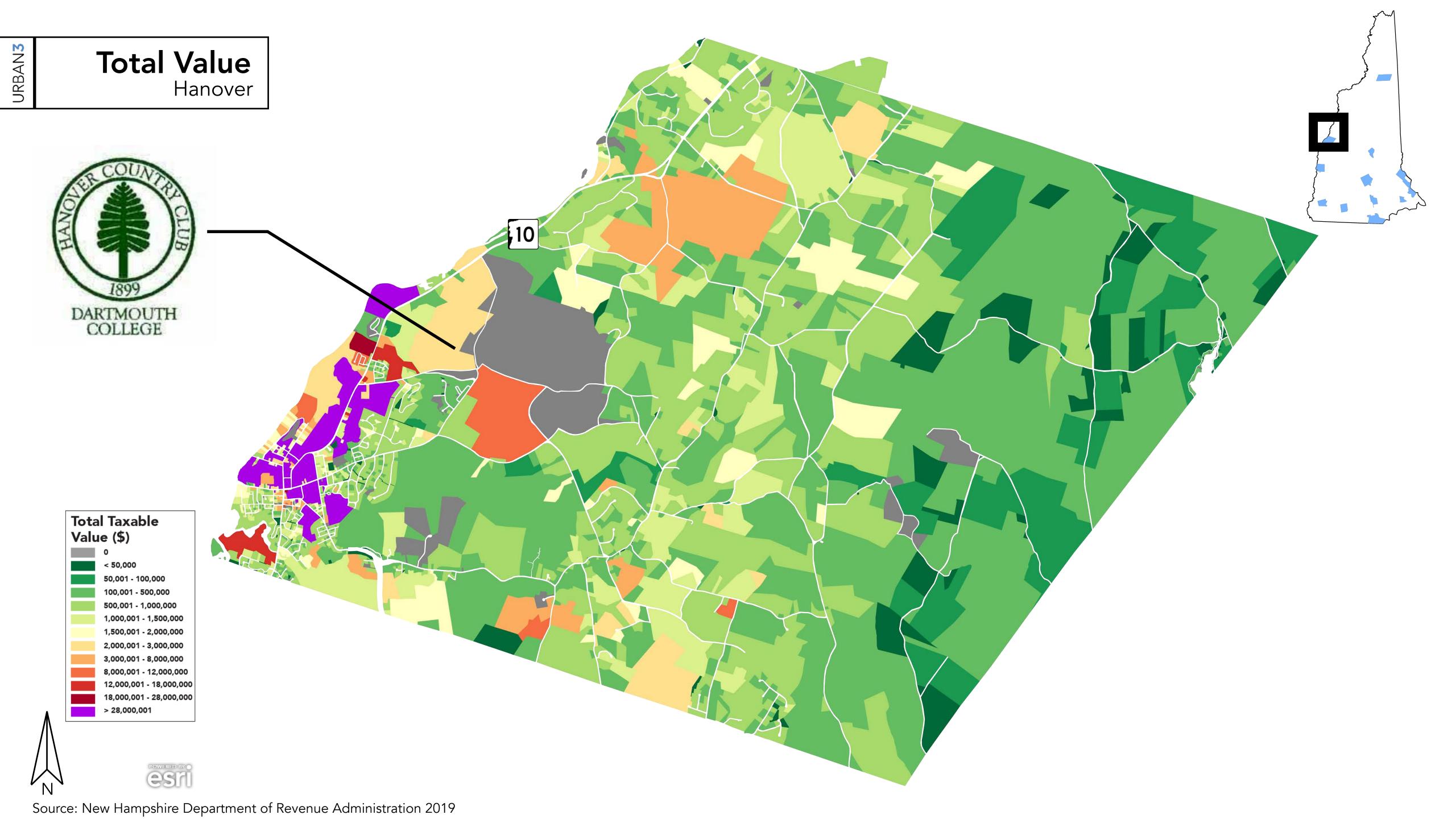


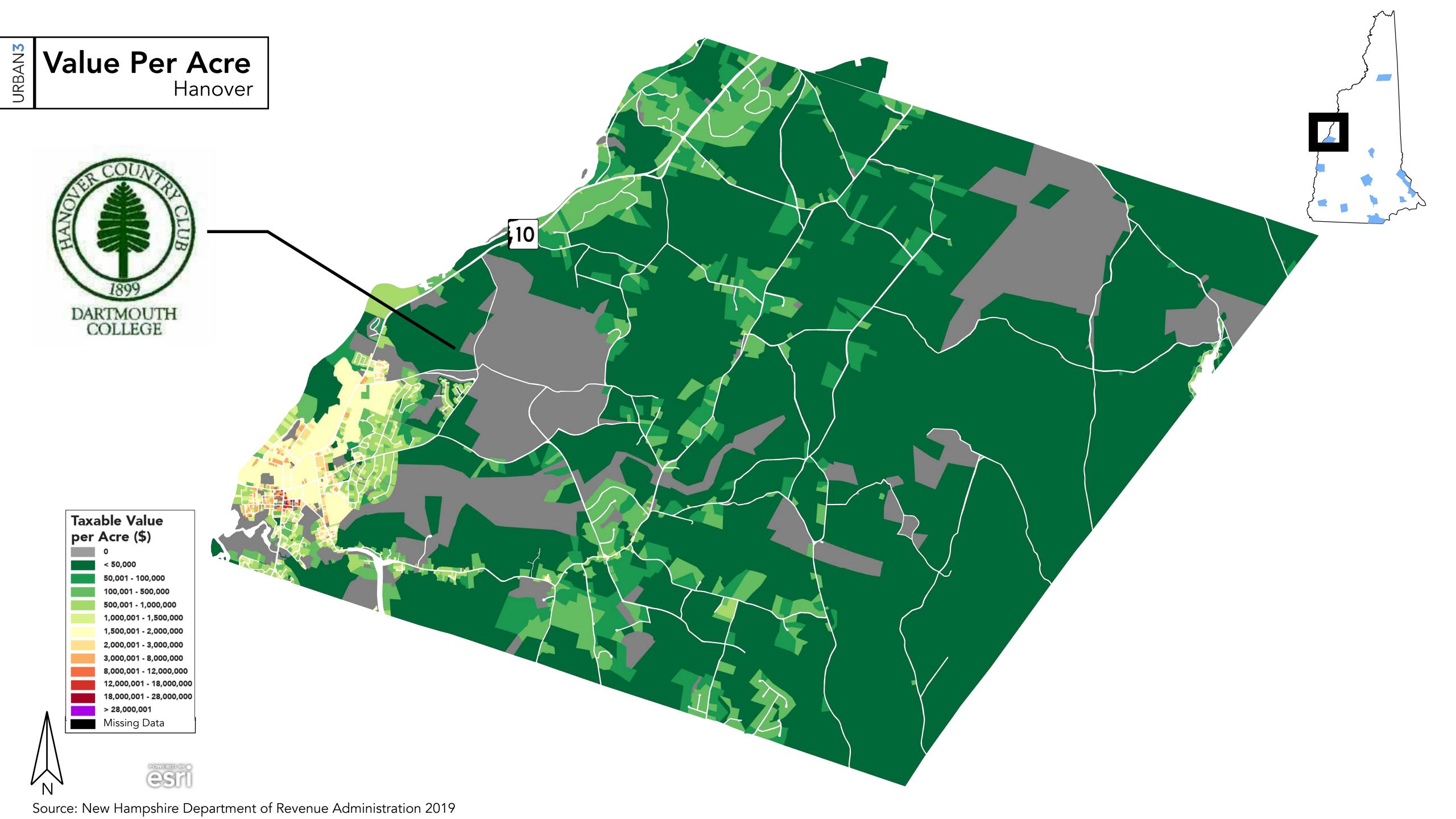
Case Study: Economic MRI® 2020

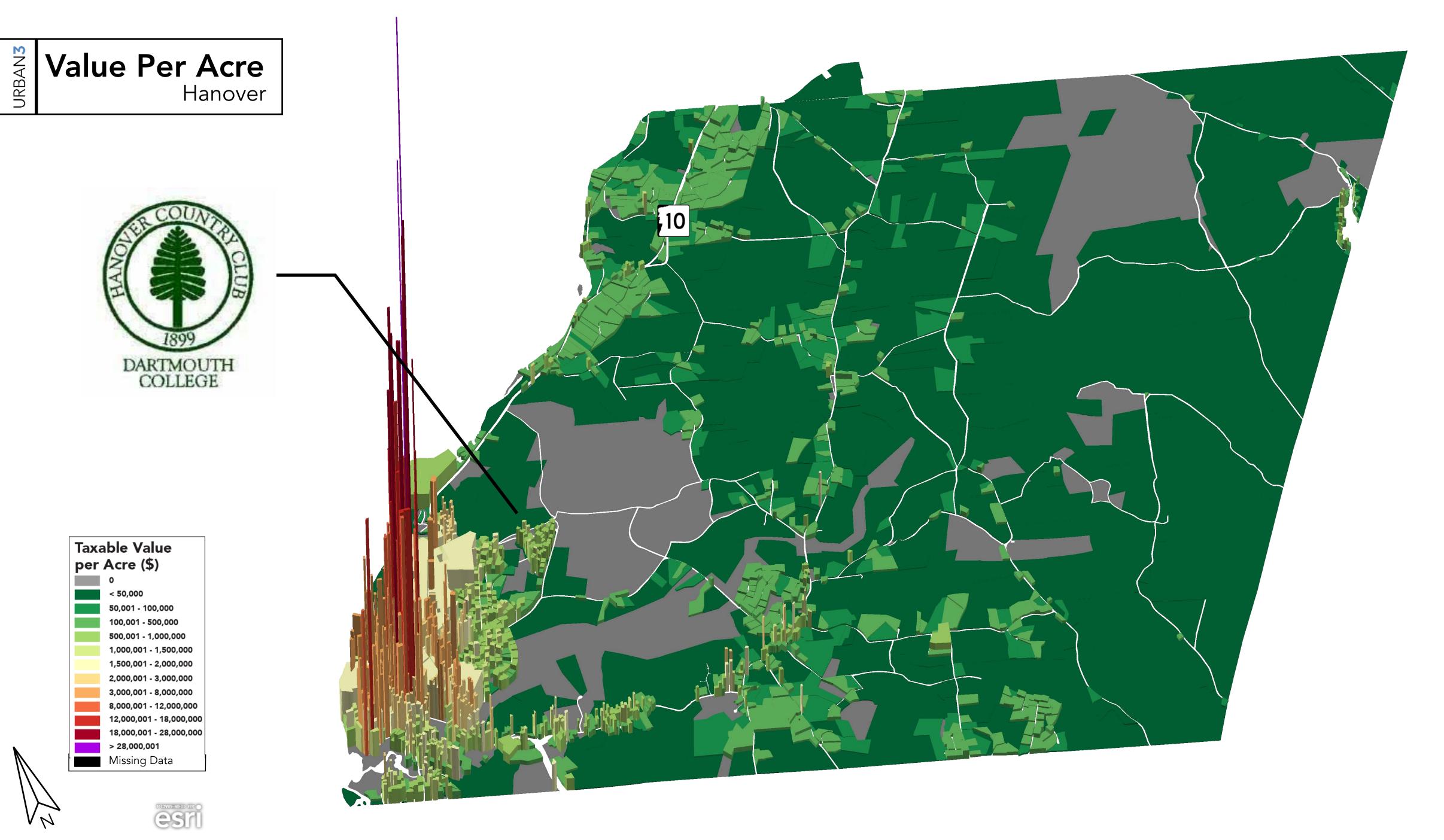
# Hanover

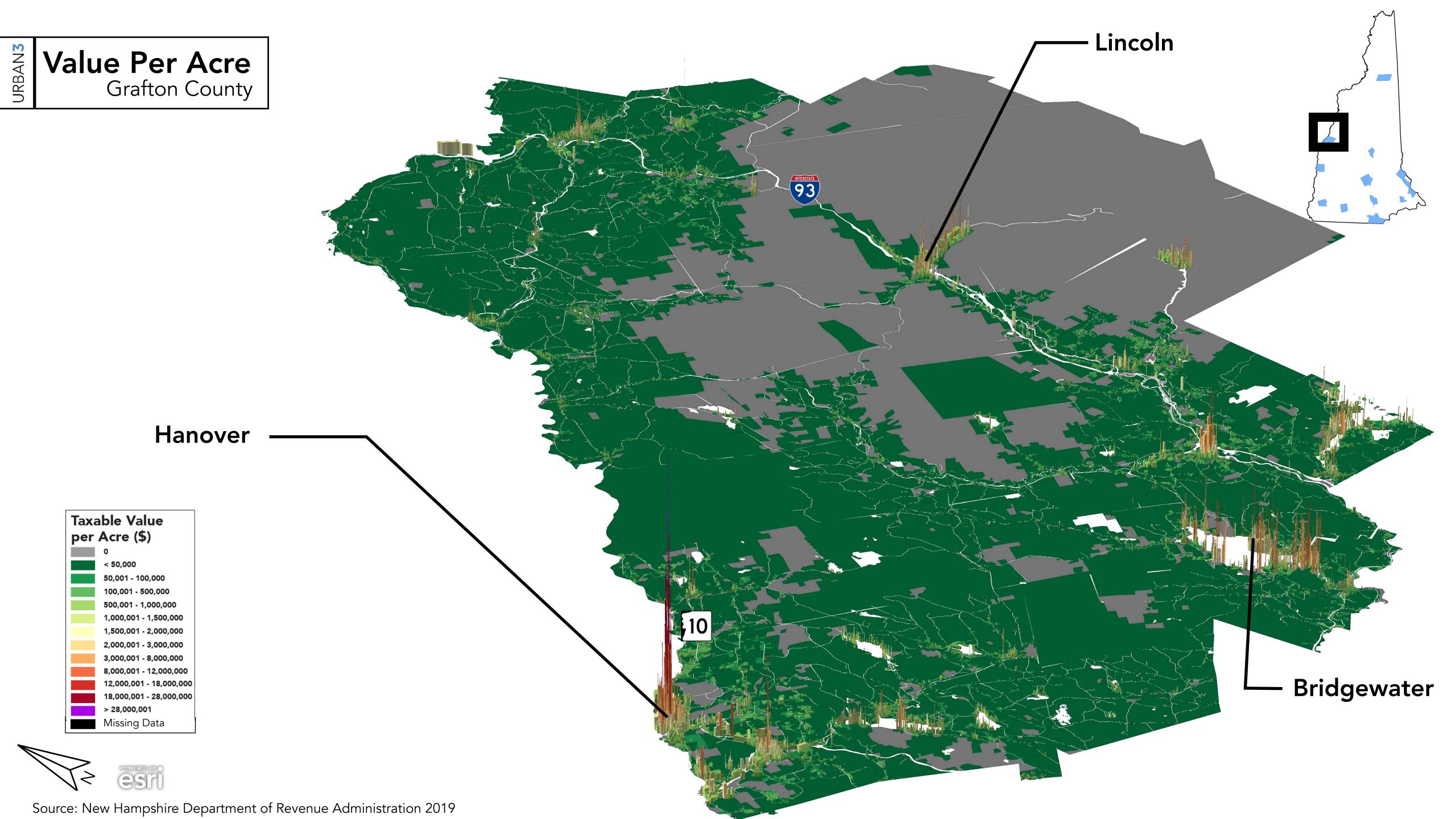


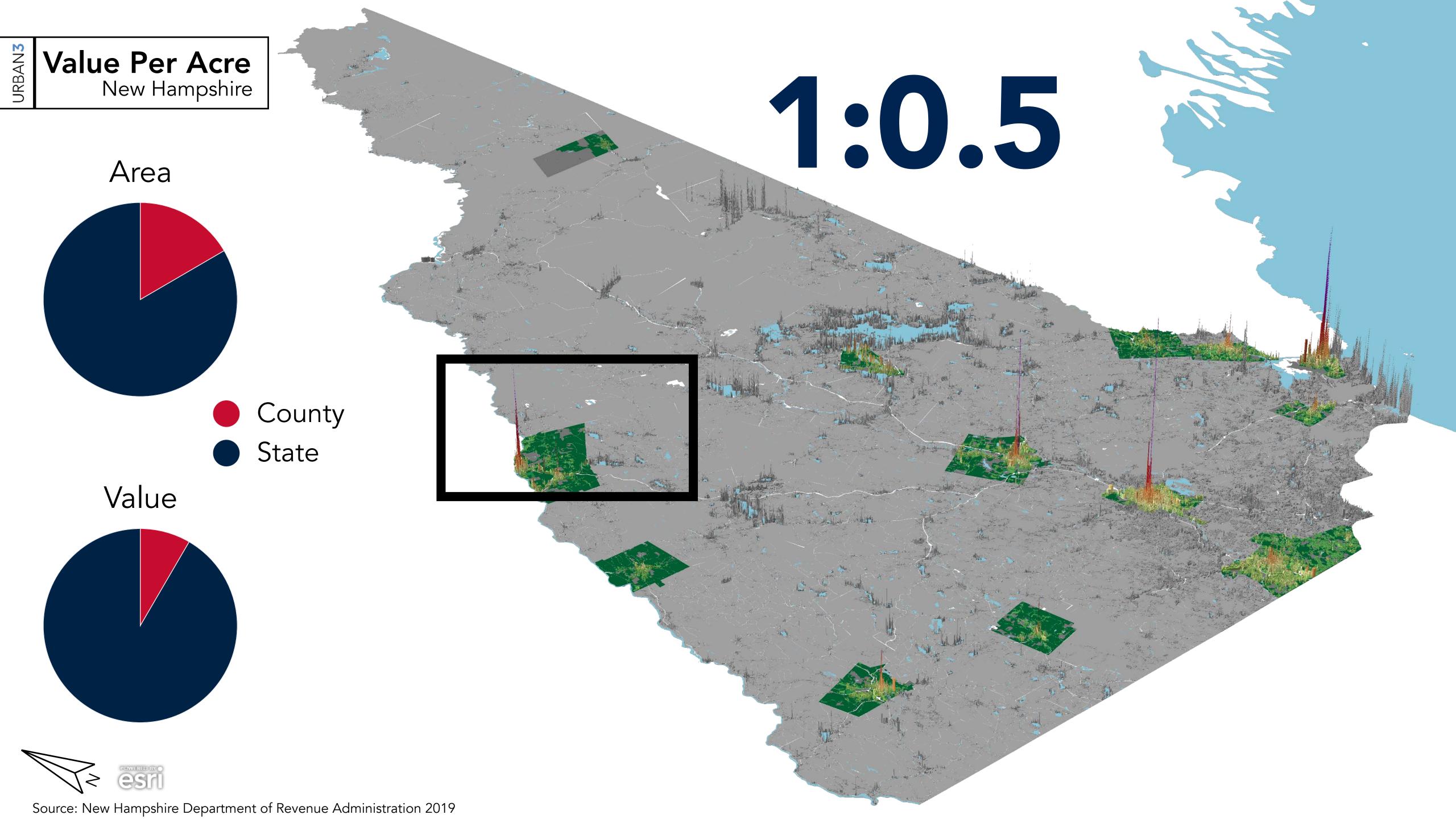


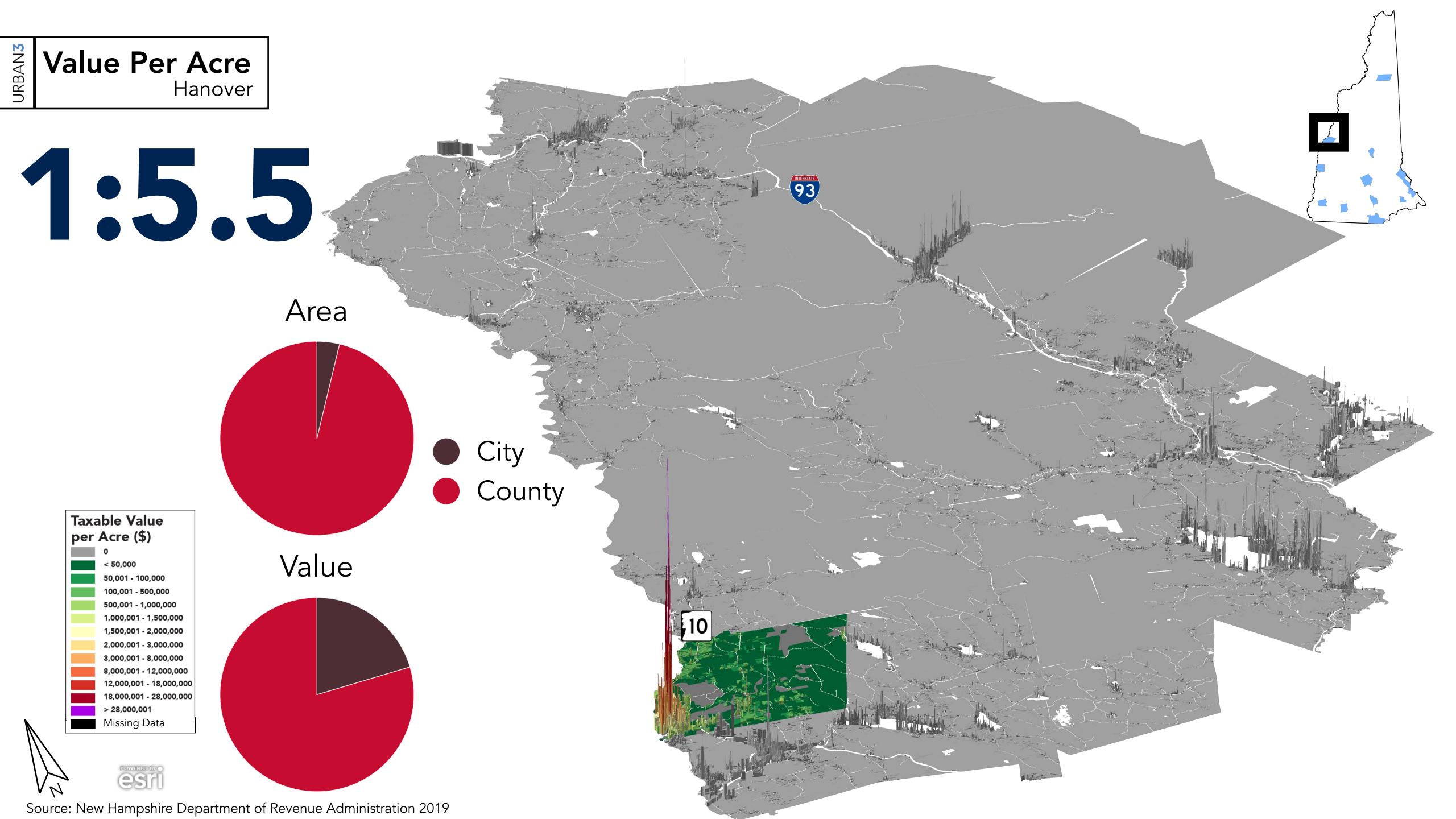




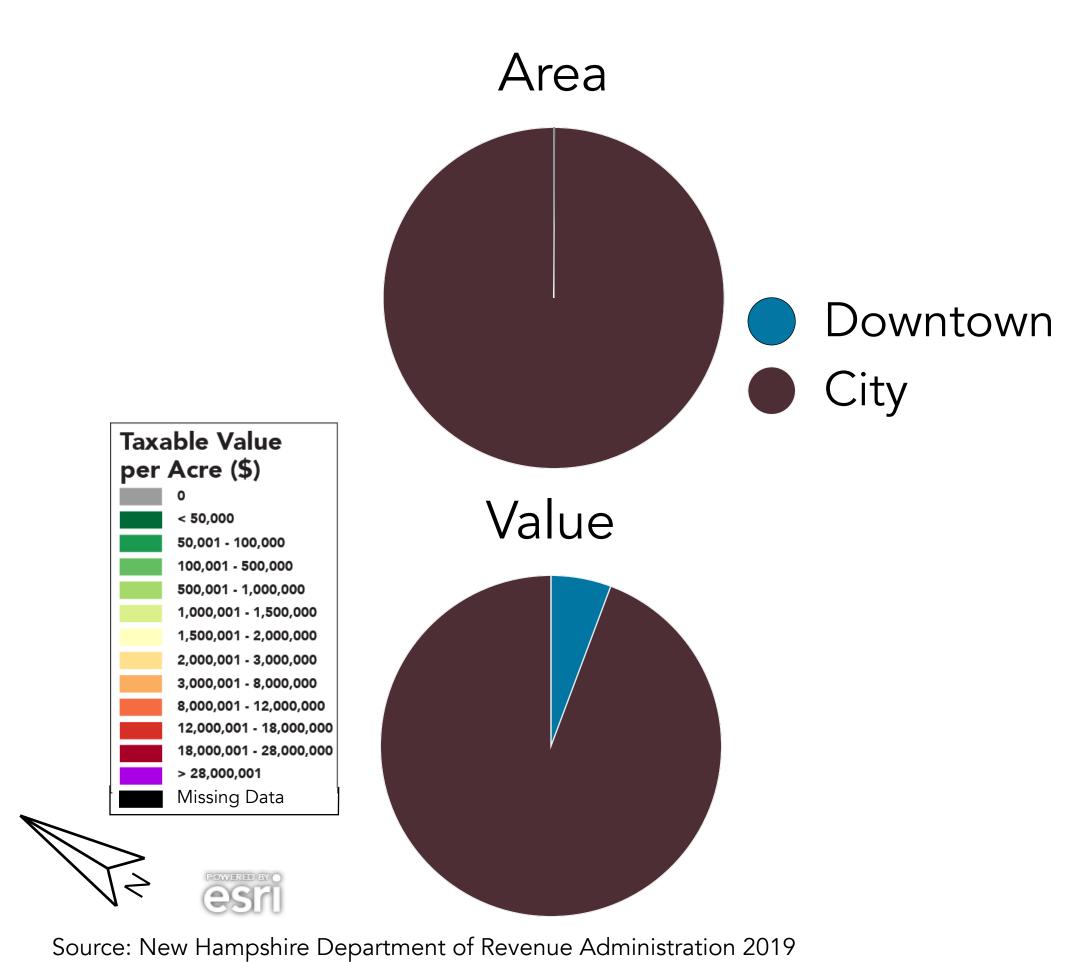


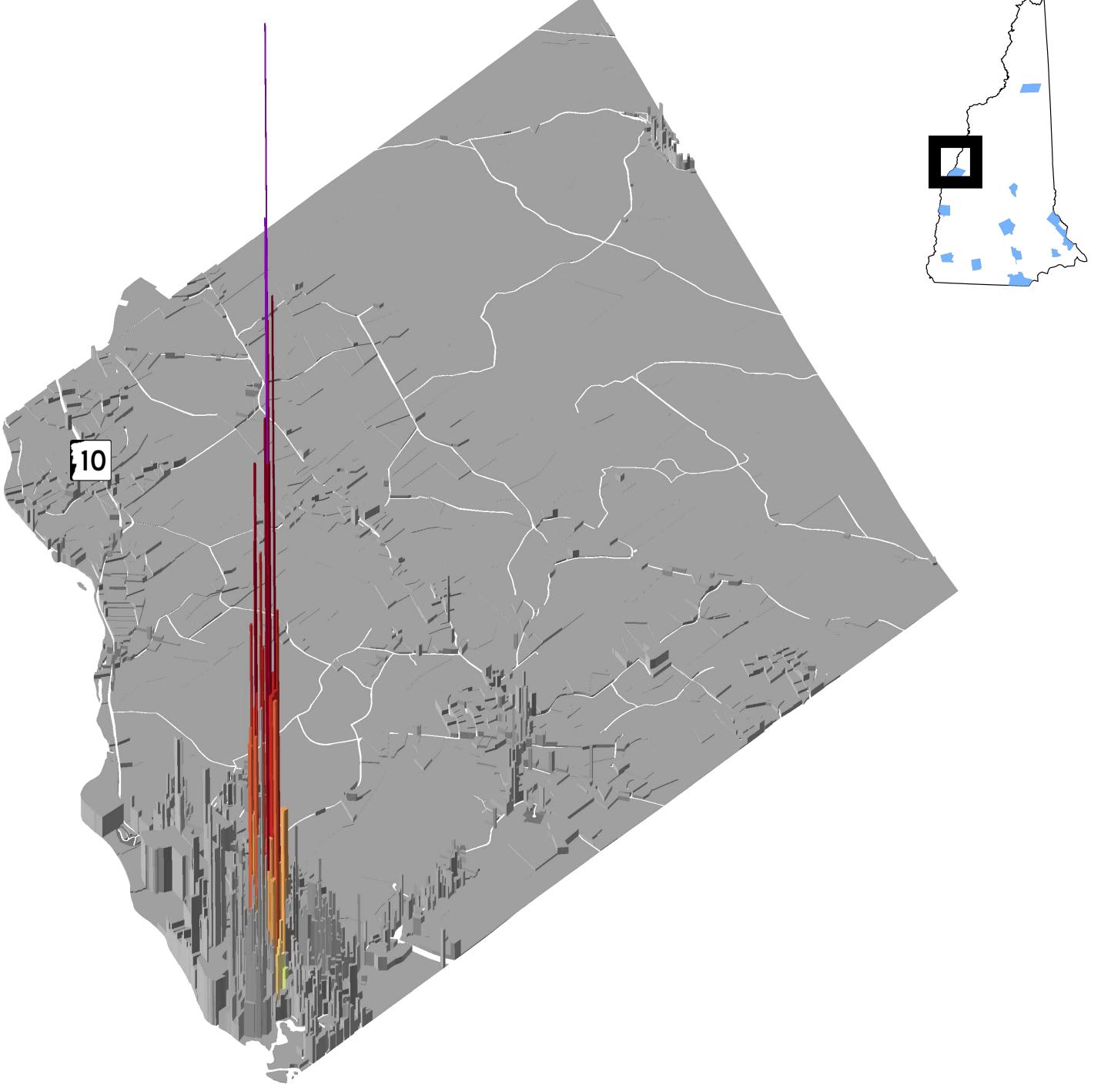


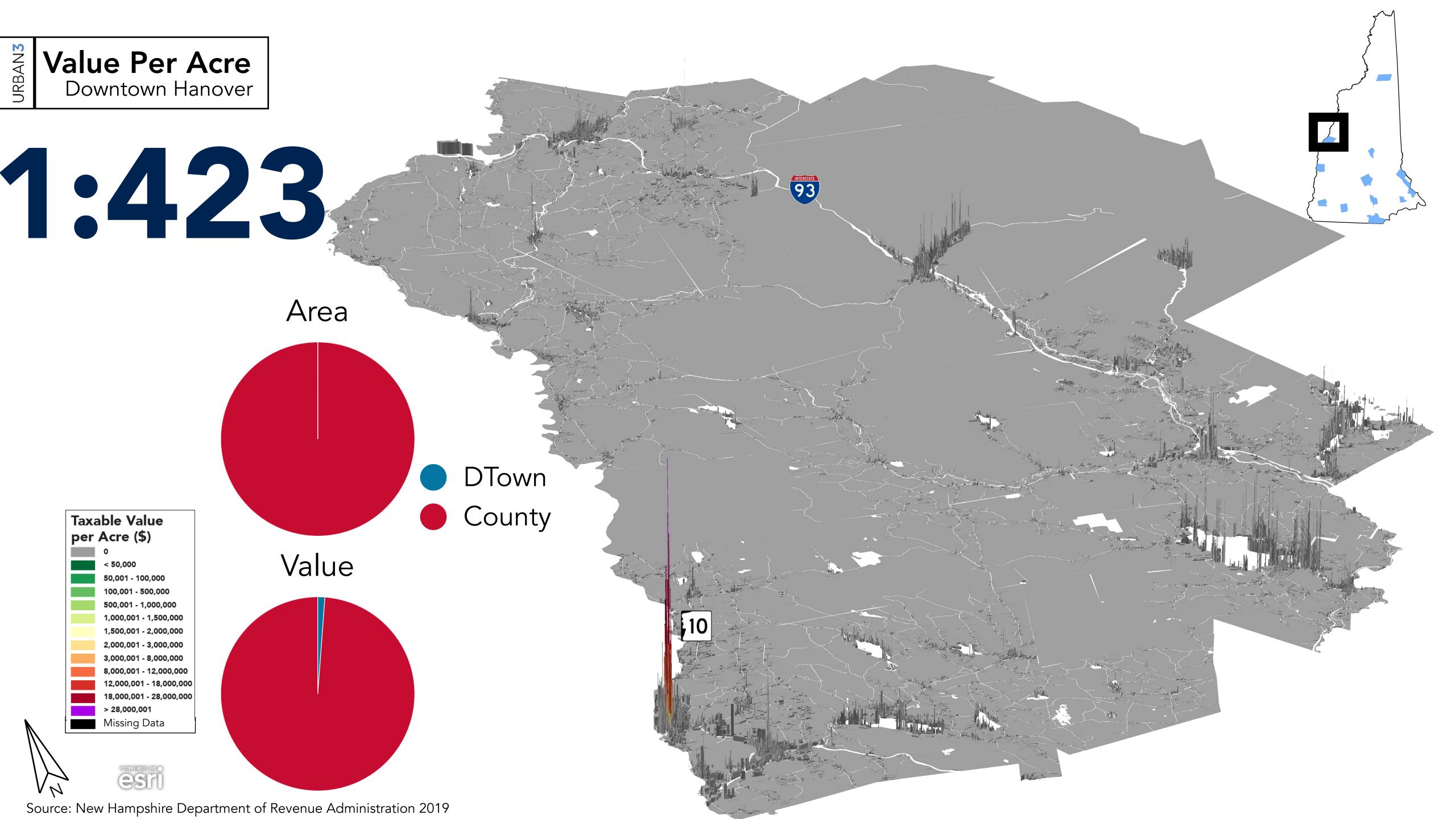


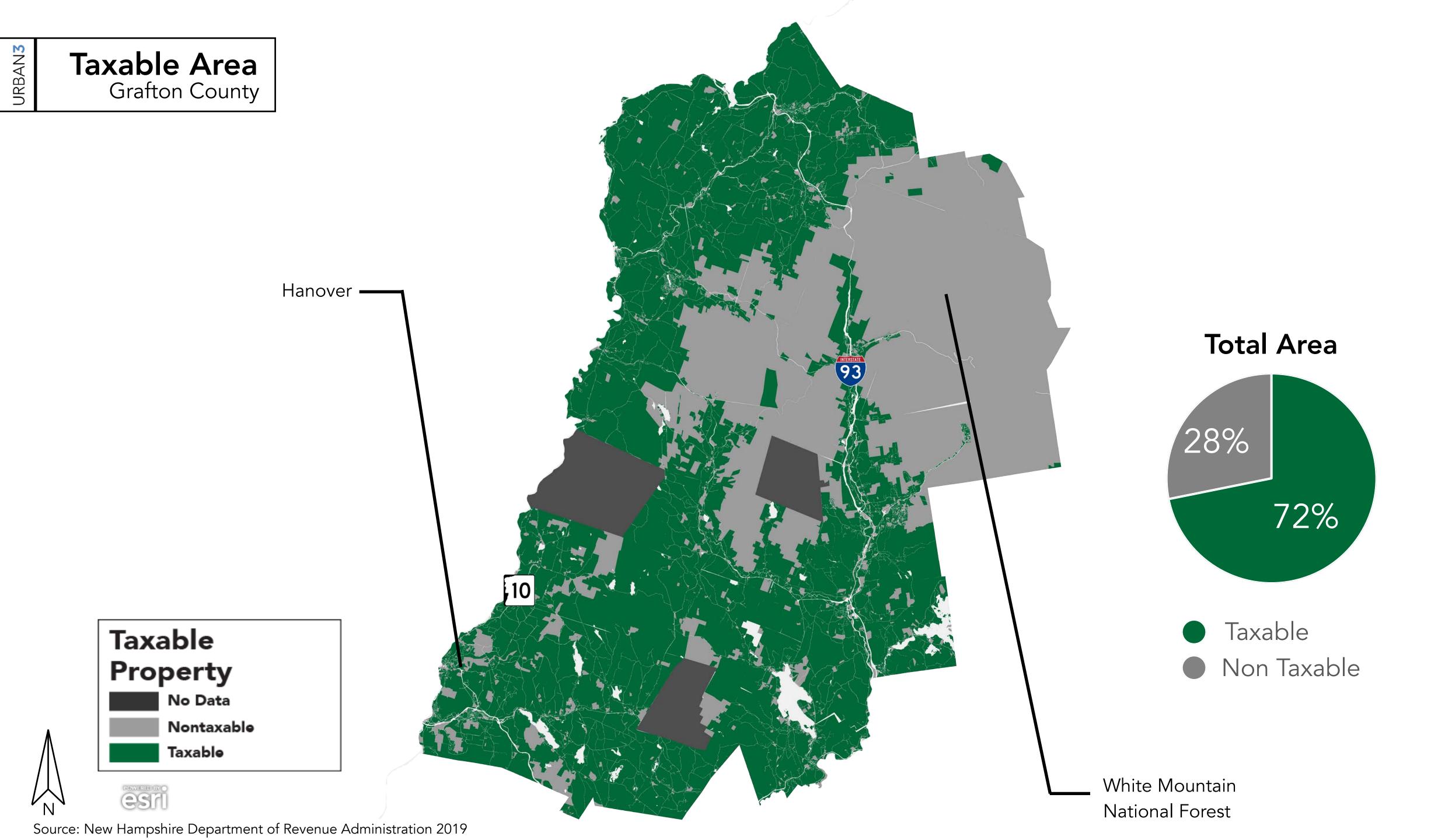


# 1.78





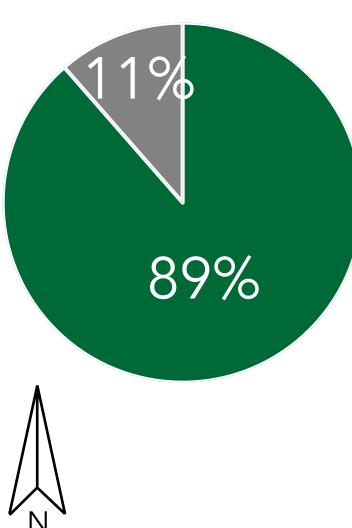


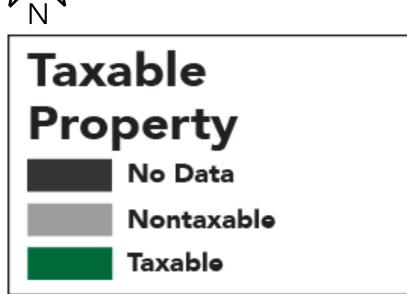


### Taxable Area

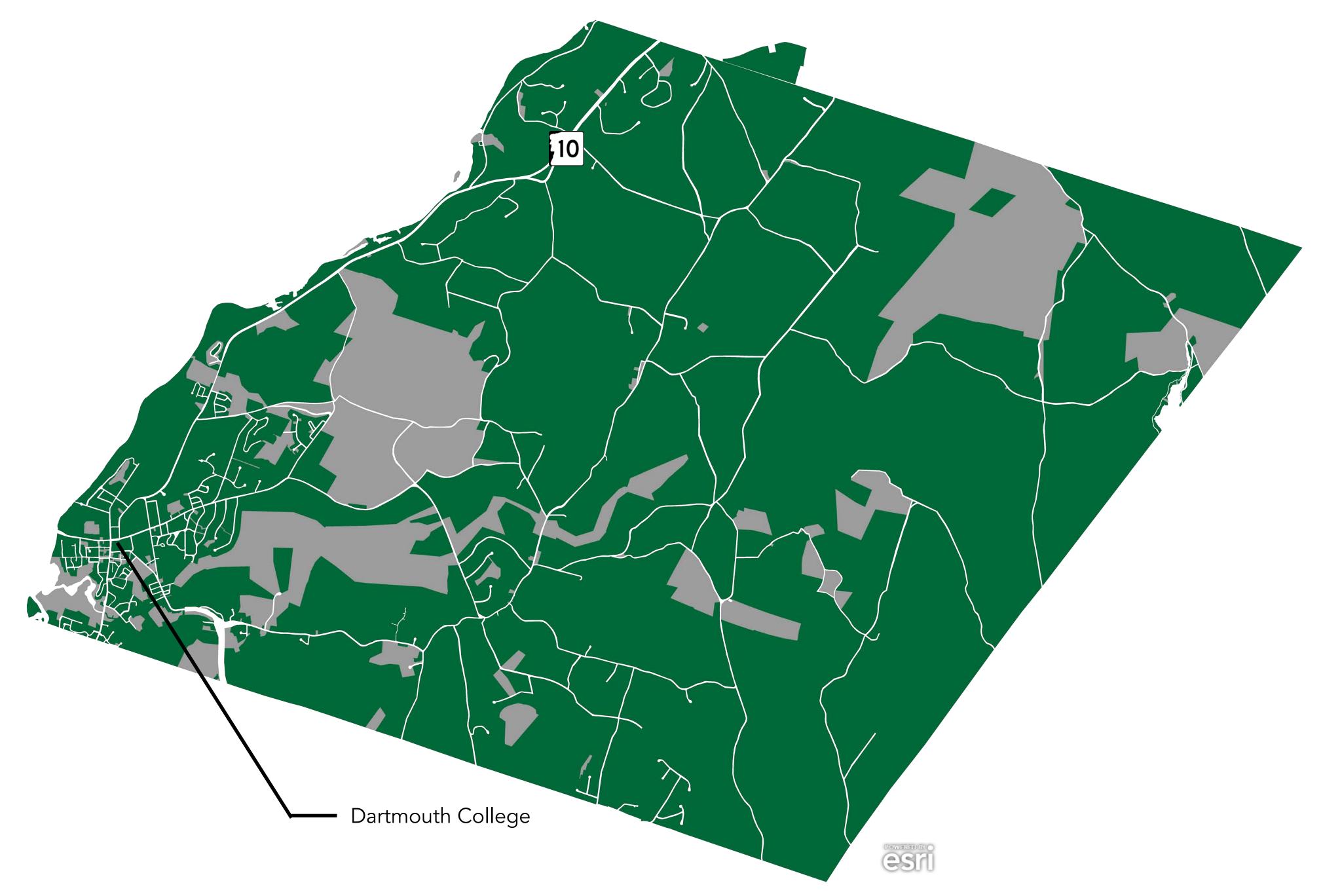
Hanover

#### Total Area\*





\* Some parcels of Dartmouth campus shows up as taxable

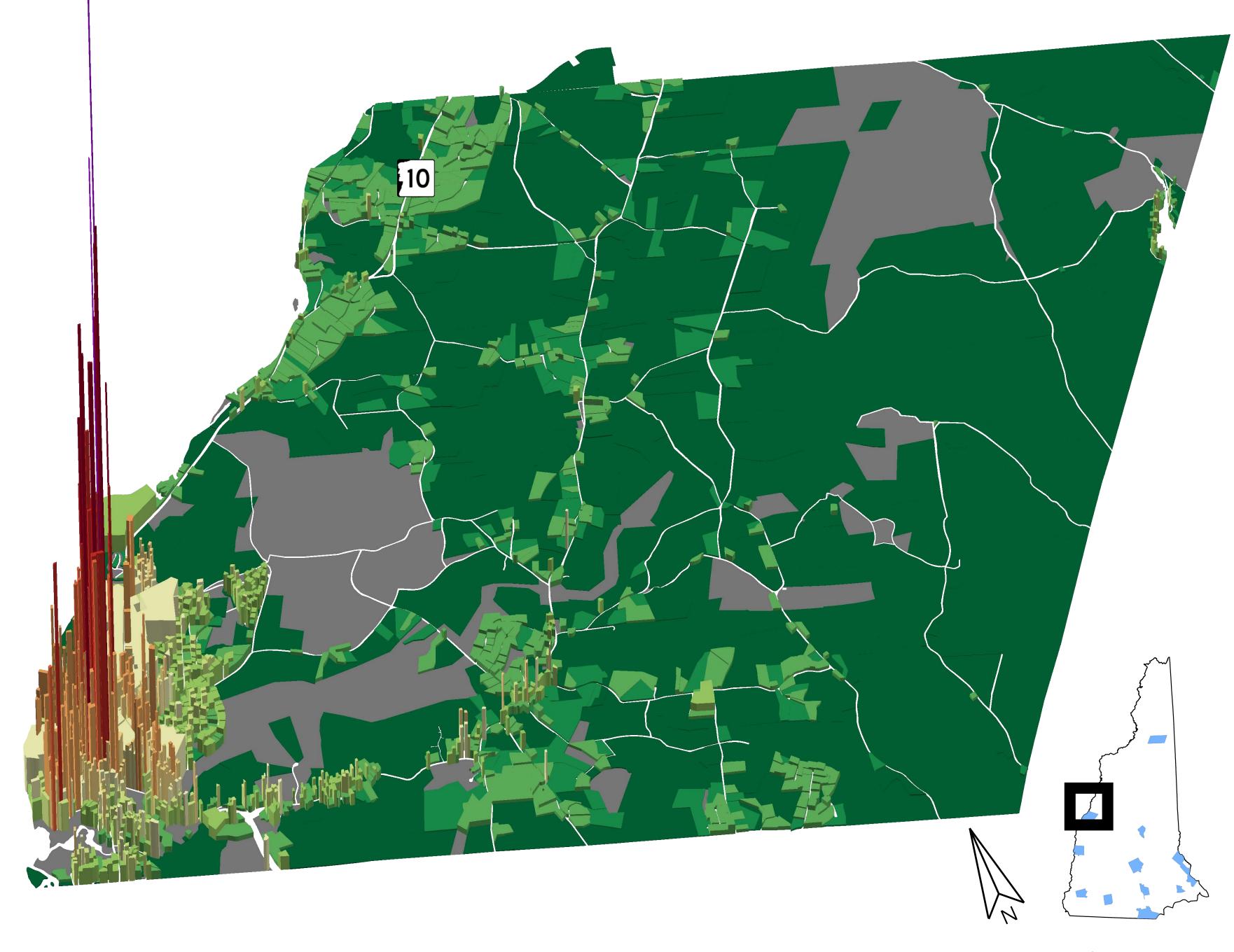


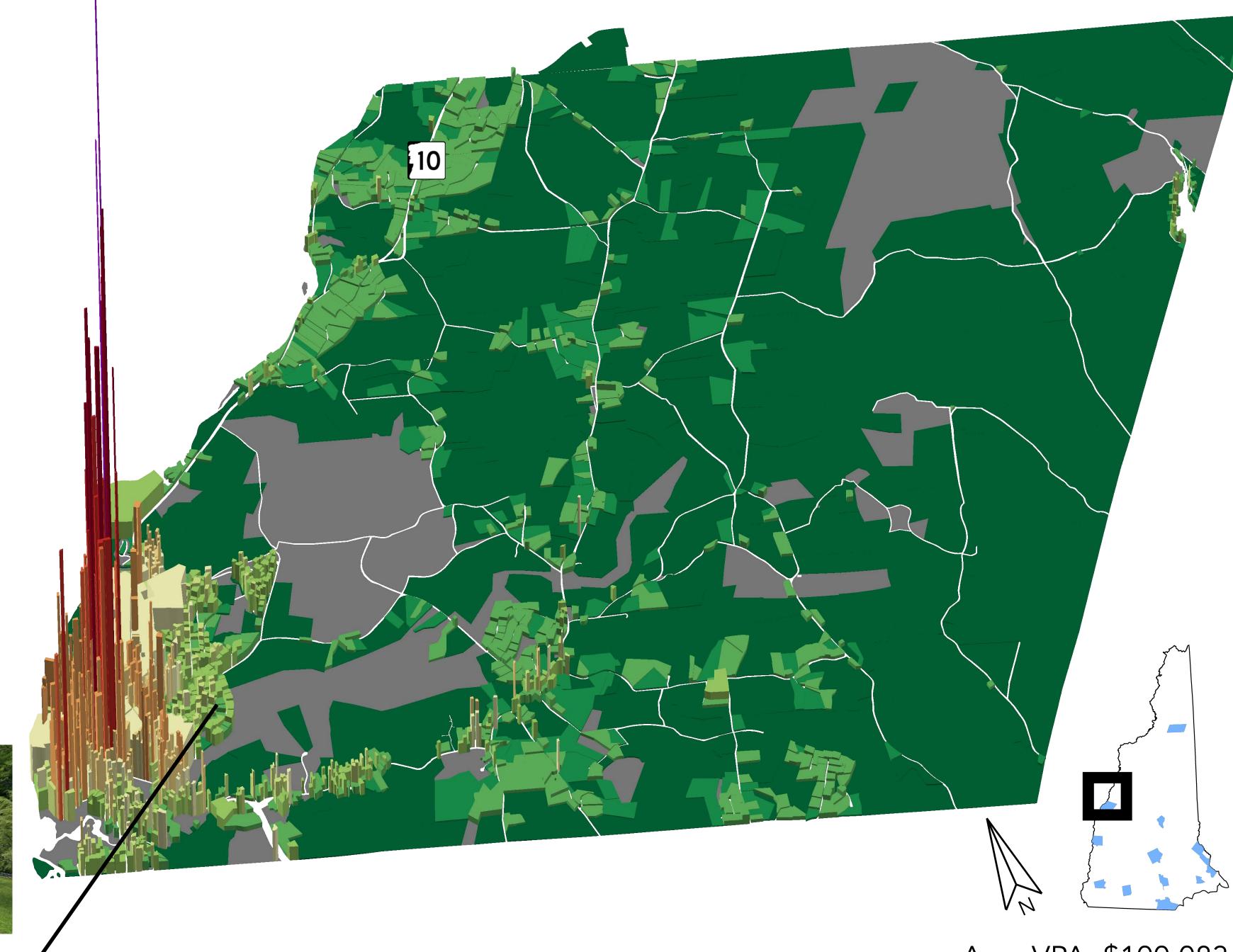




# Land Use Types

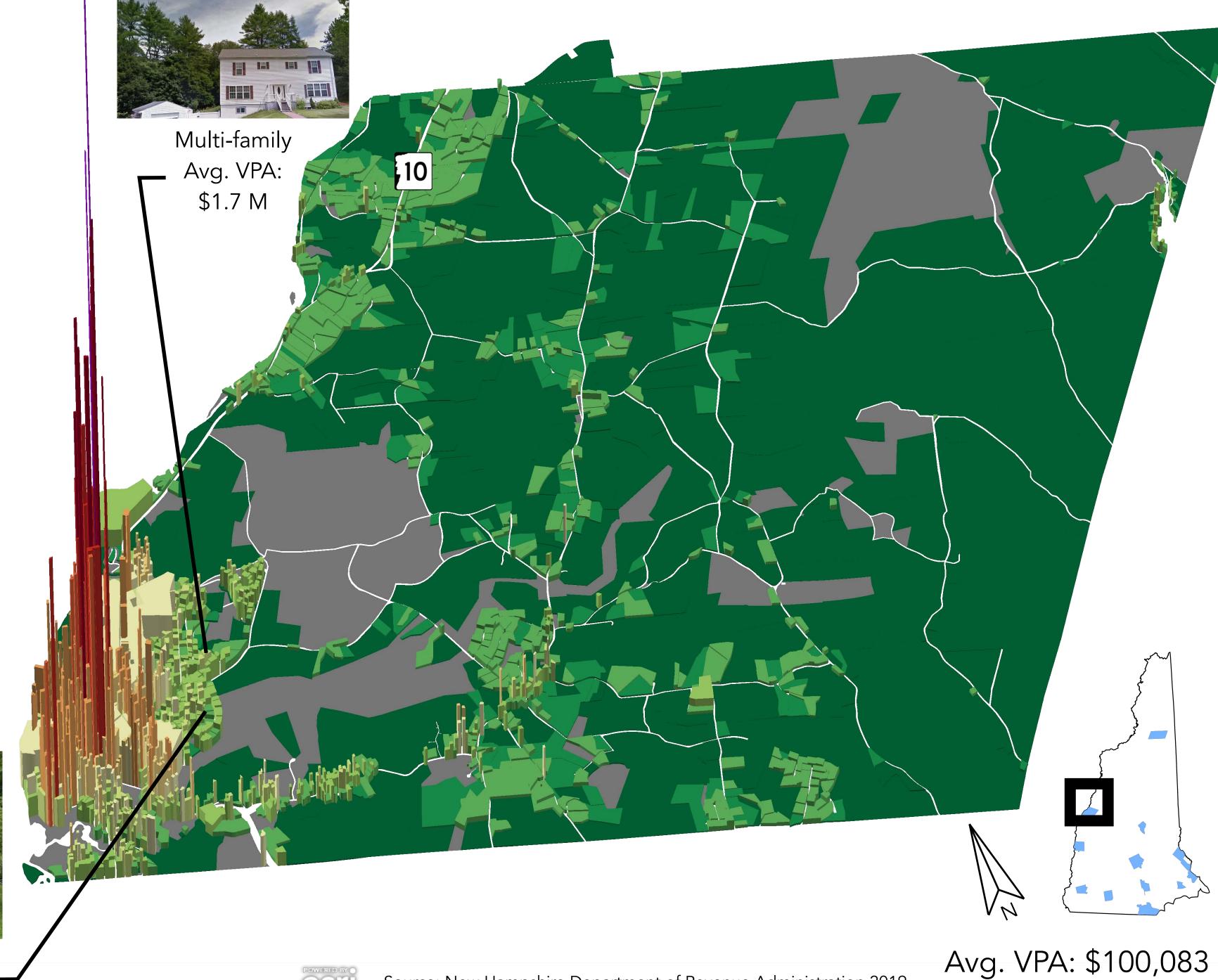
Local samples of buildings and development types







Single-family Avg. VPA: \$0.81 M

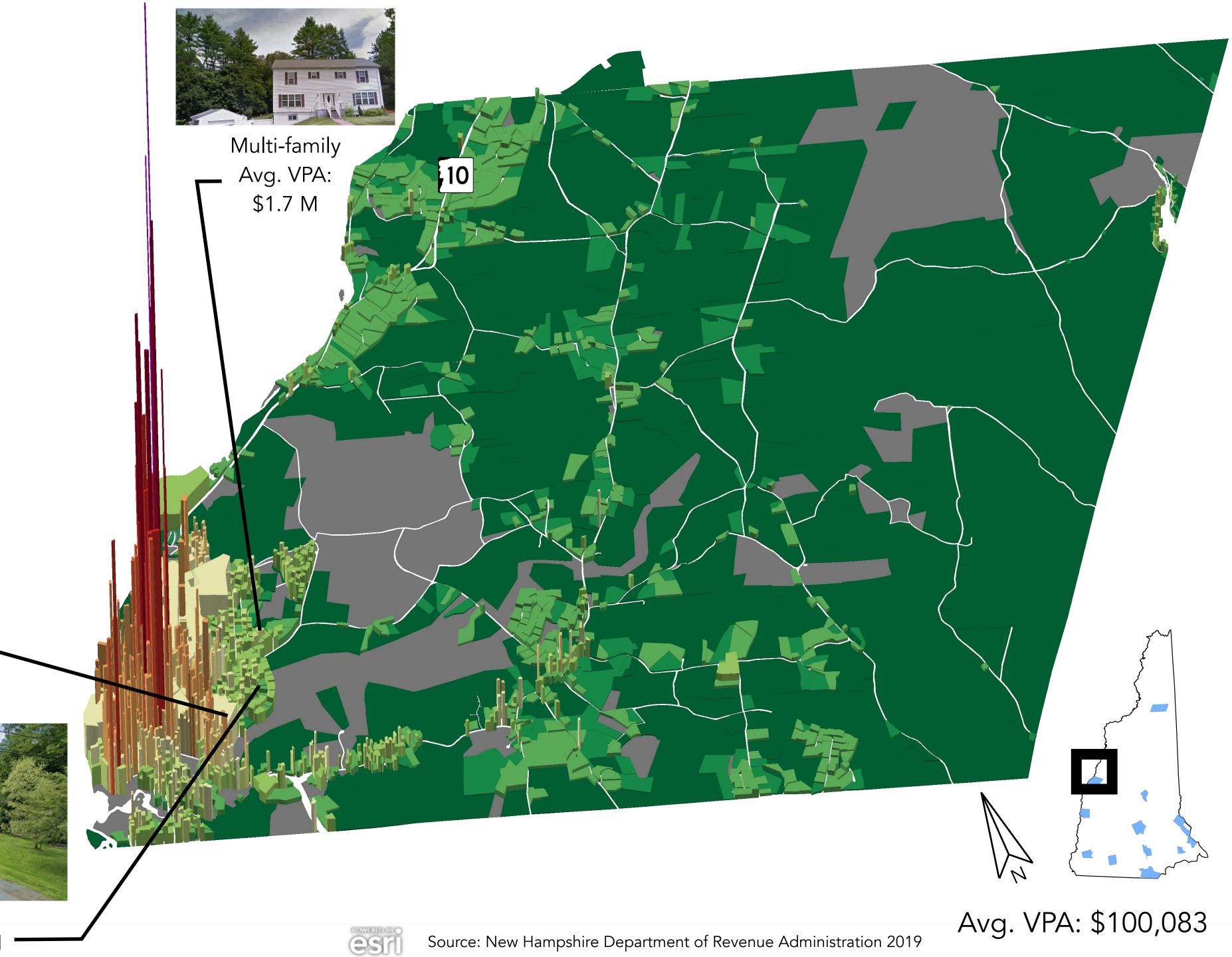




Single-family Avg. VPA: \$0.81 M



Commercial VPA: \$3.4 M



Single-family Avg. VPA: \$0.81 M



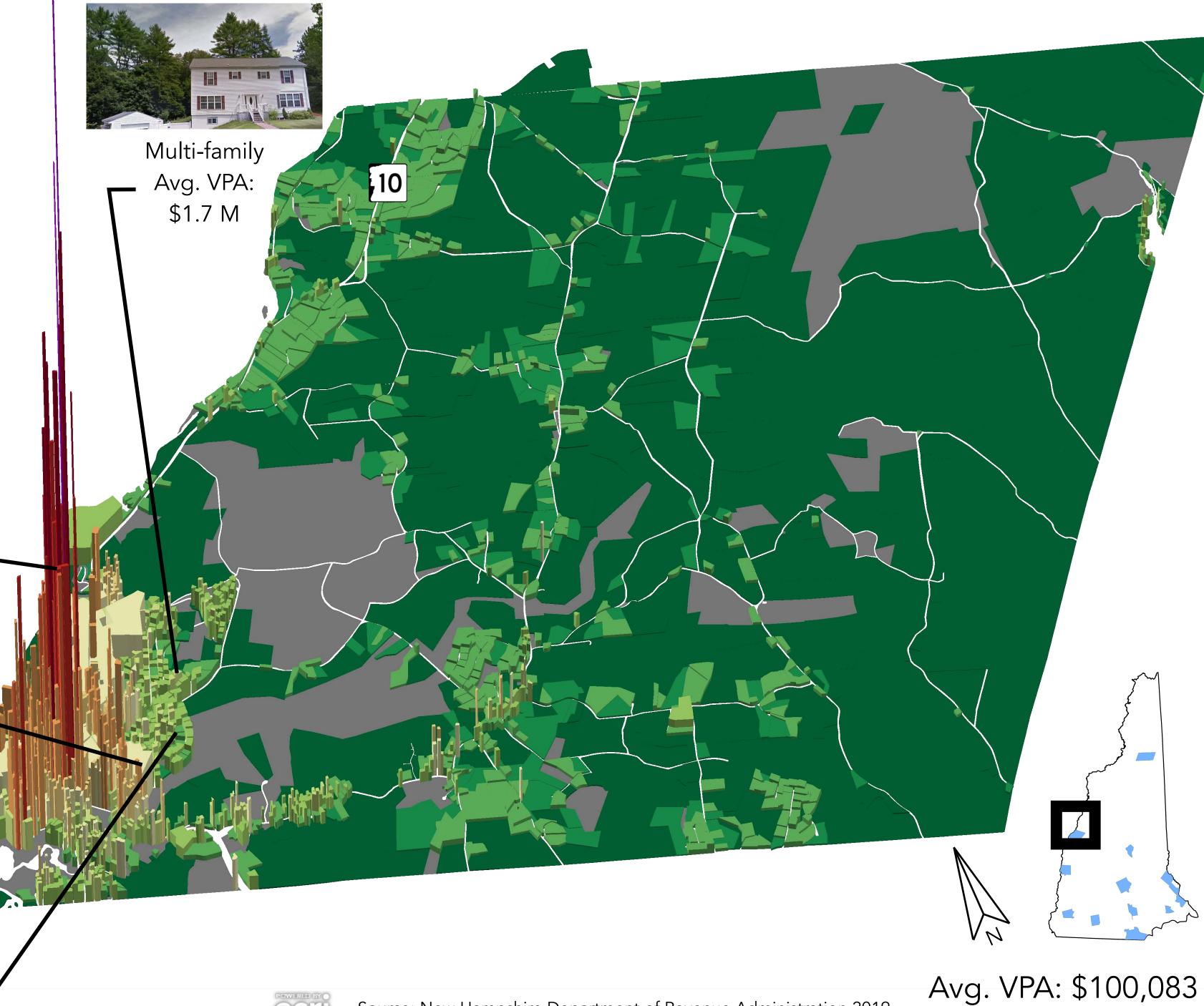
Mixed-use VPA: \$12 M



Commercial VPA: \$3.4 M



Single-family Avg. VPA: \$0.81 M





Peak VPA VPA: \$37.8 M



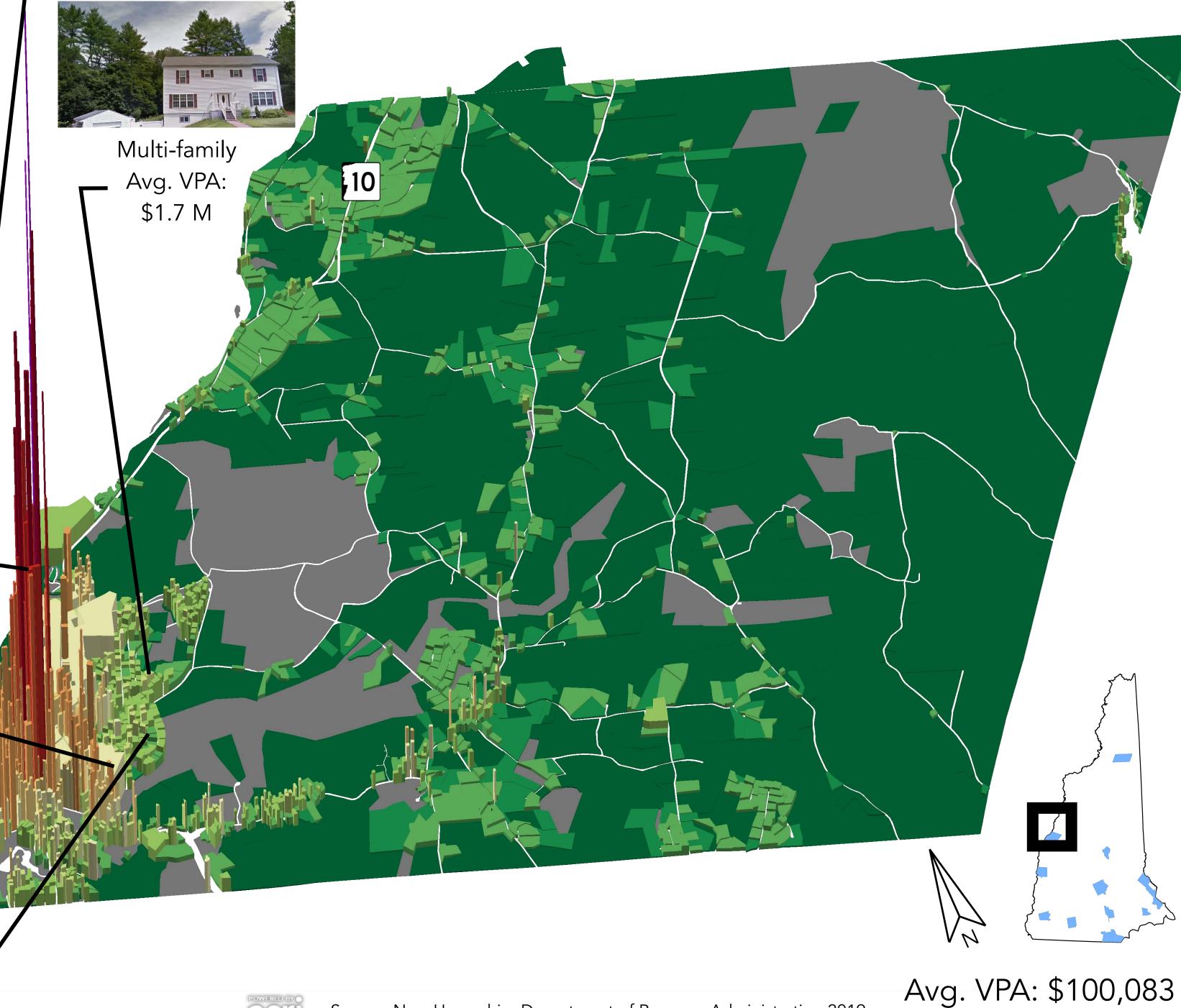
Mixed-use VPA: \$12 M

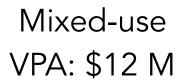


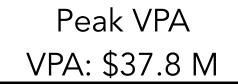
Commercial VPA: \$3.4 M



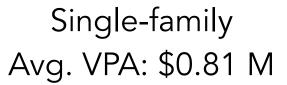
Single-family Avg. VPA: \$0.81 M











Multi-family Avg. VPA: \$1.7 M

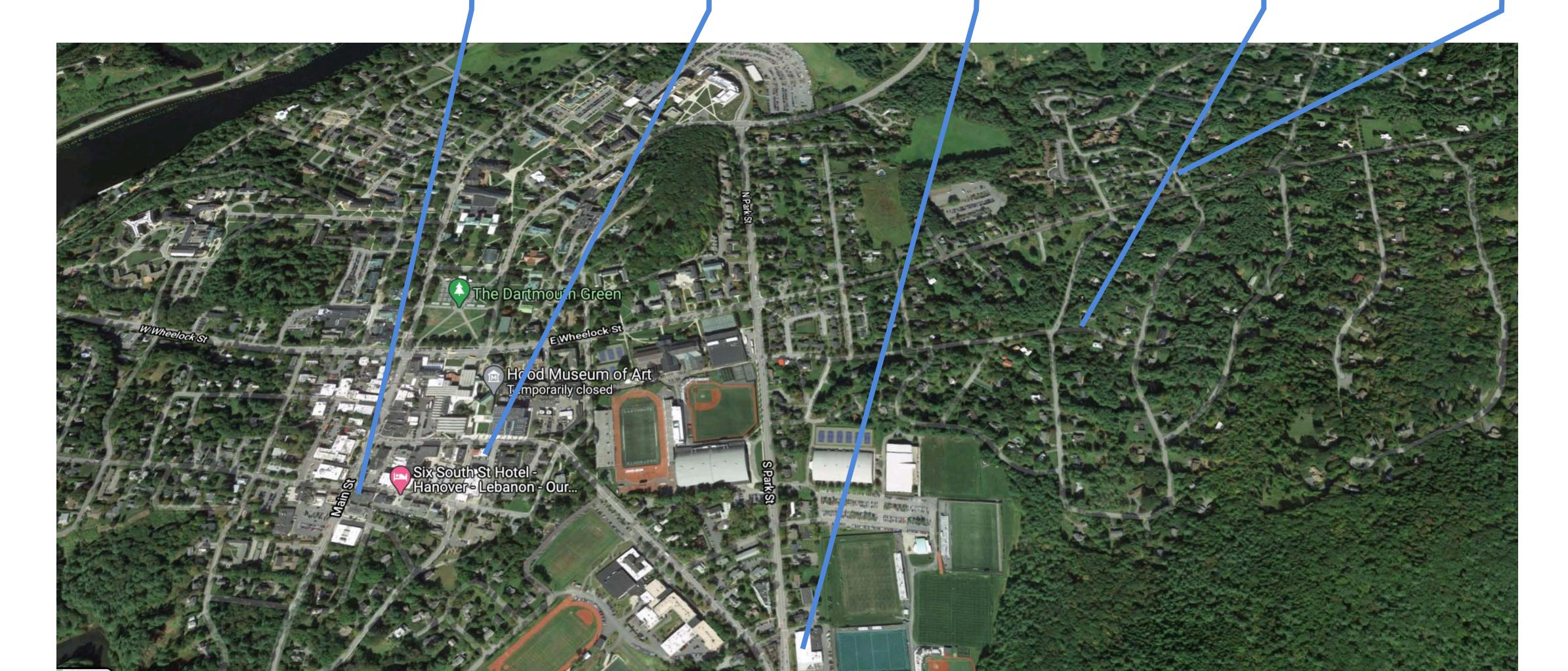










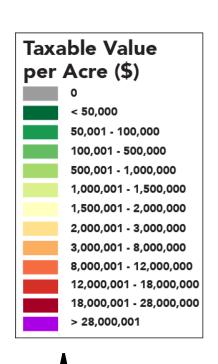




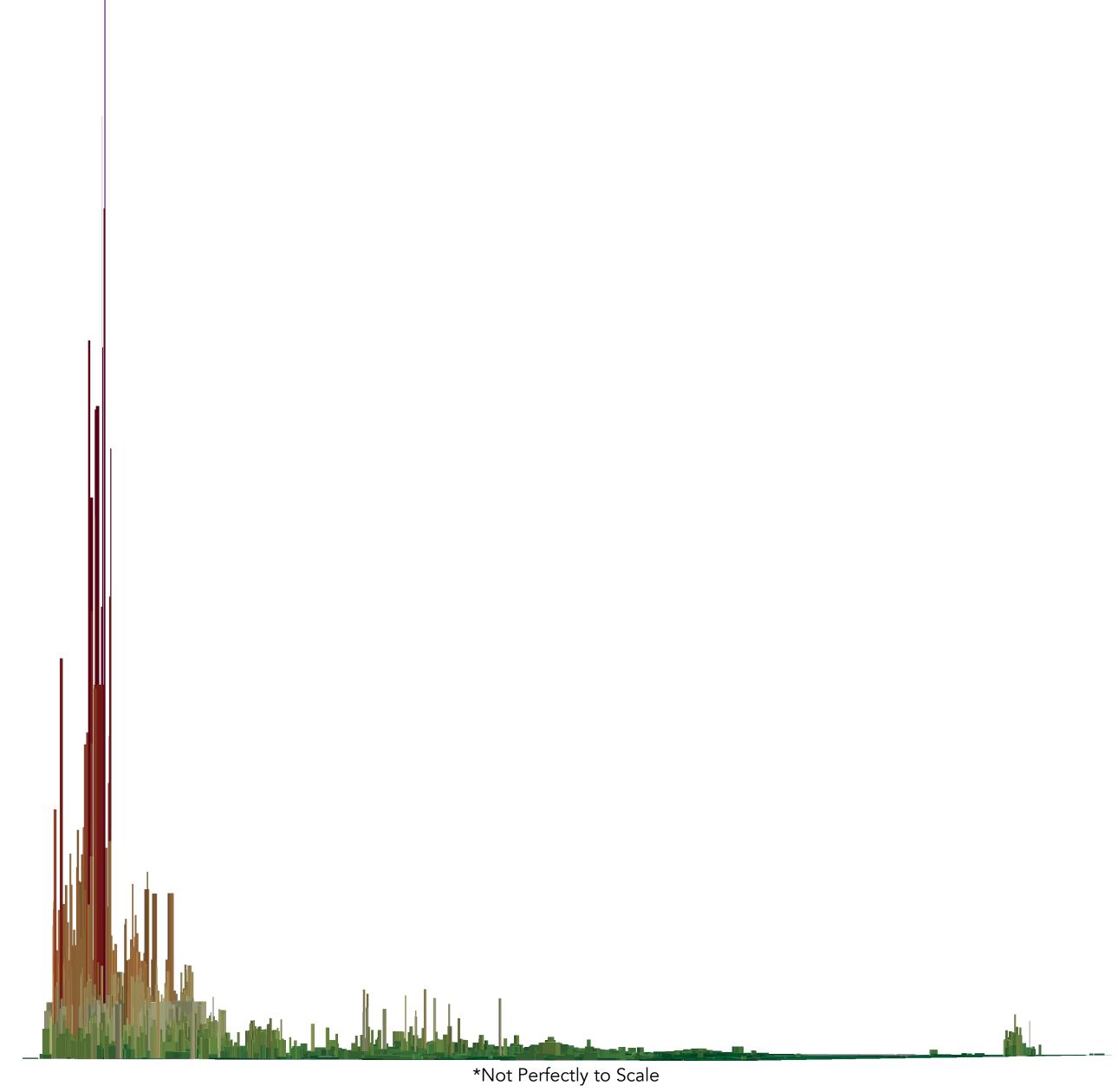


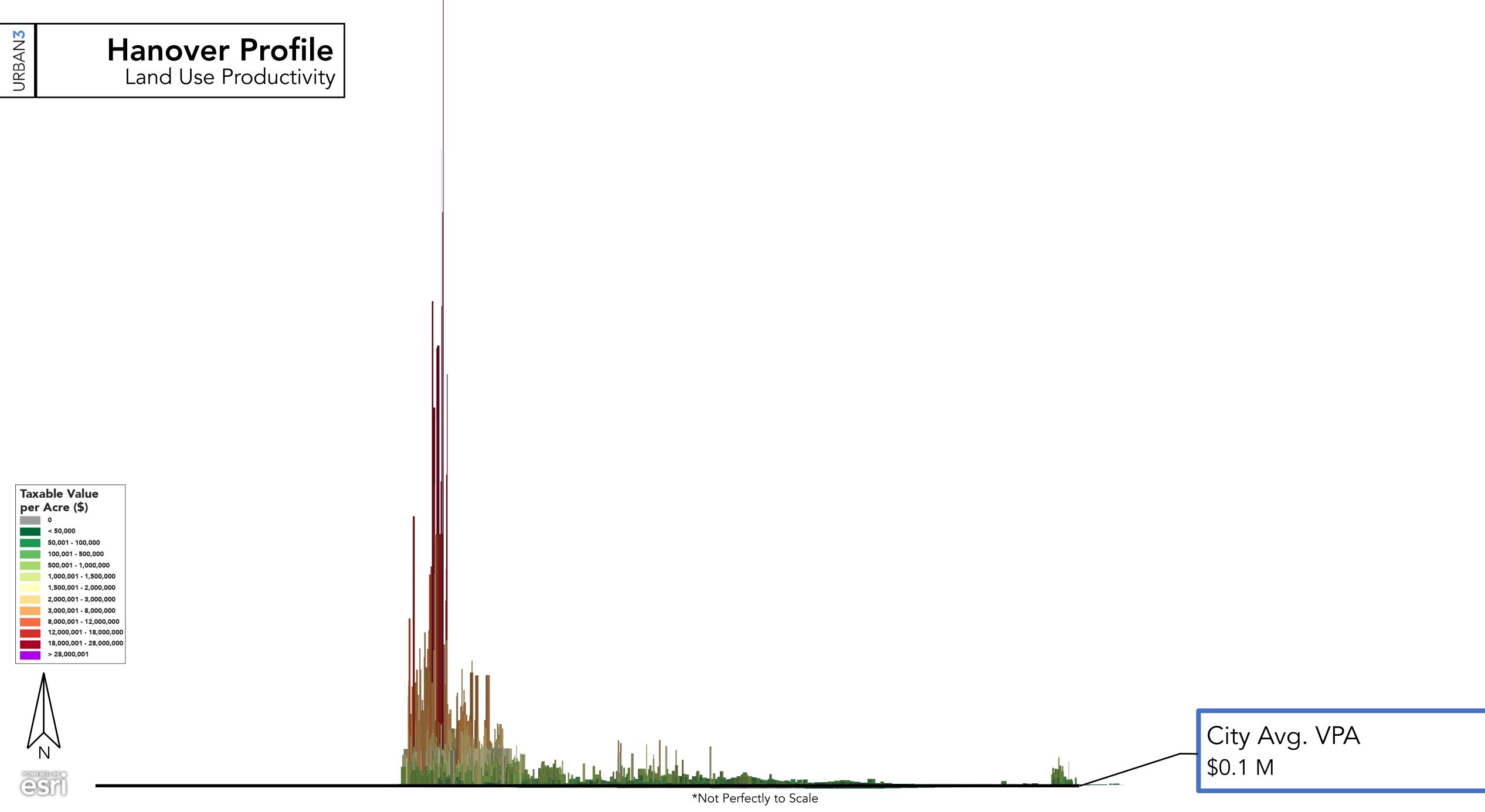
Geospatial Analysis

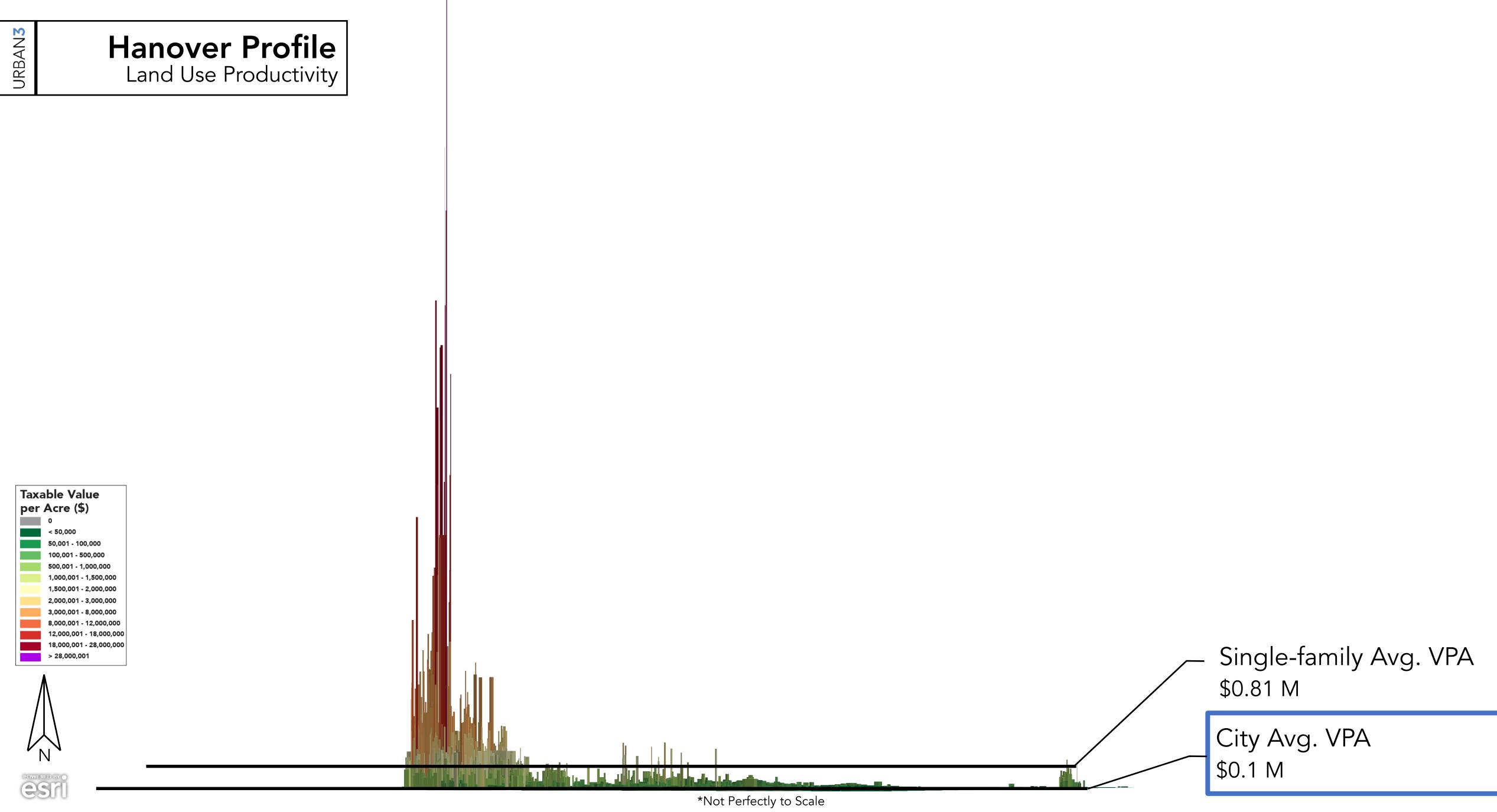
# Hanover Profile Land Use Productivity

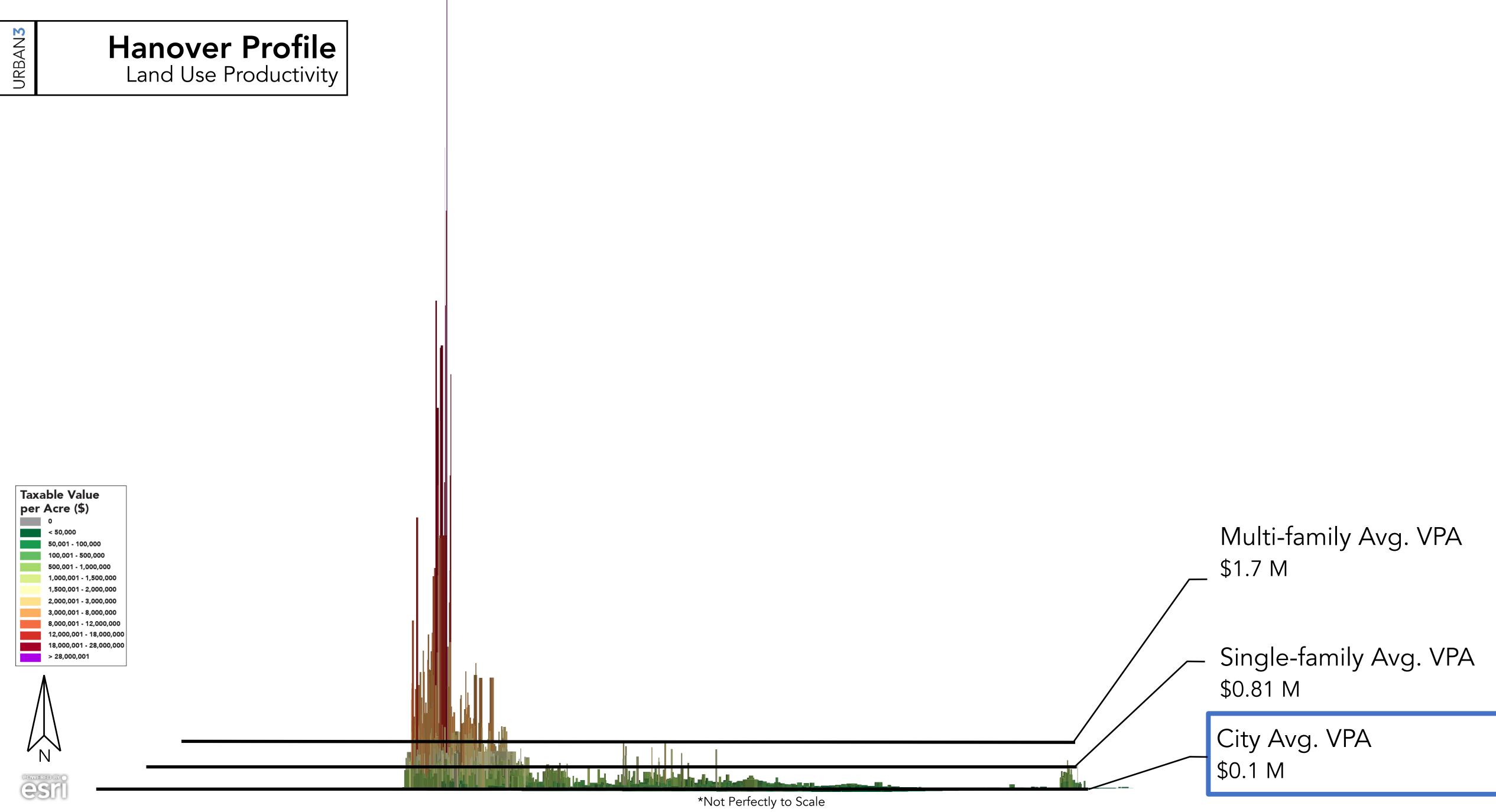


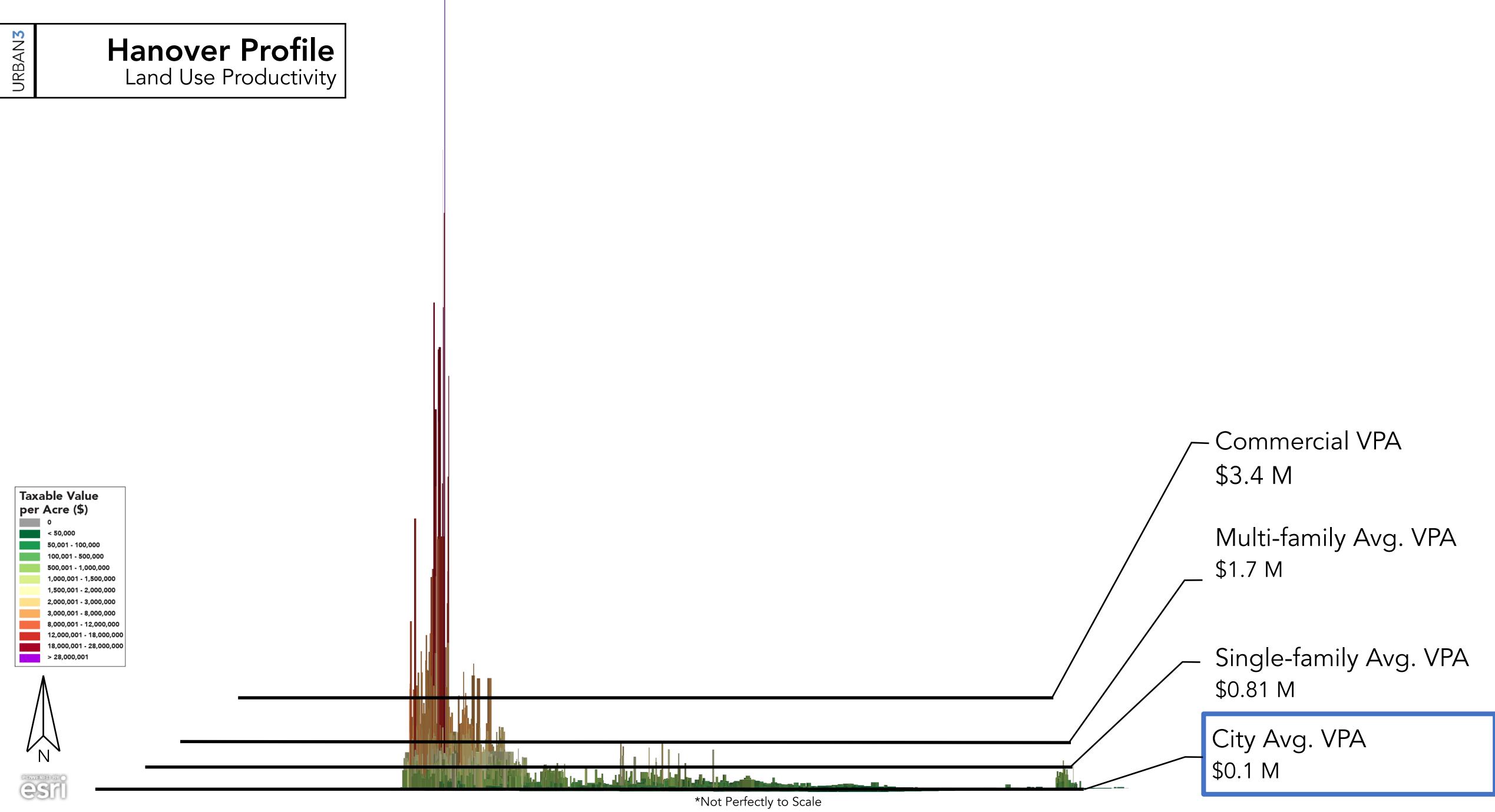


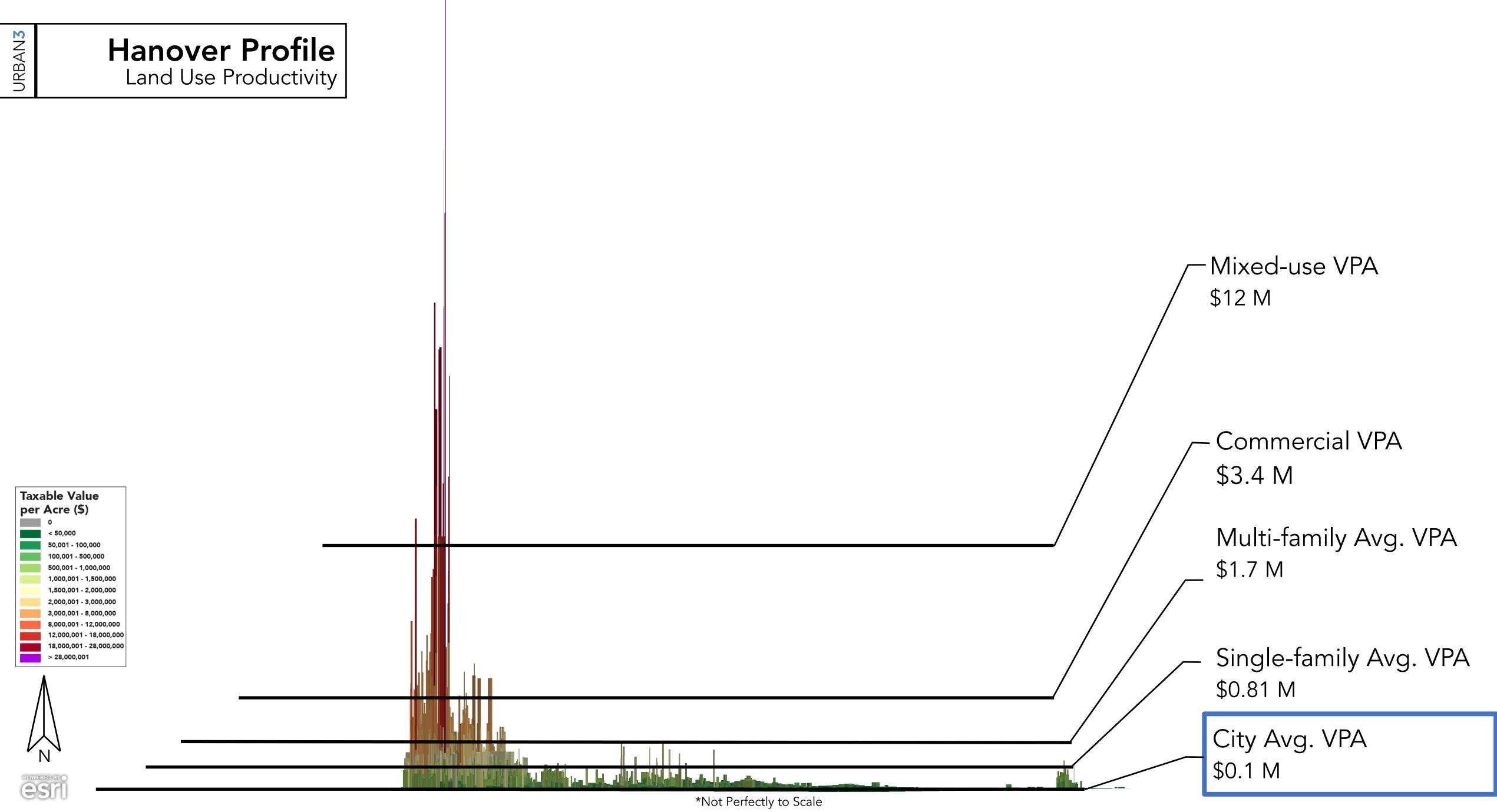


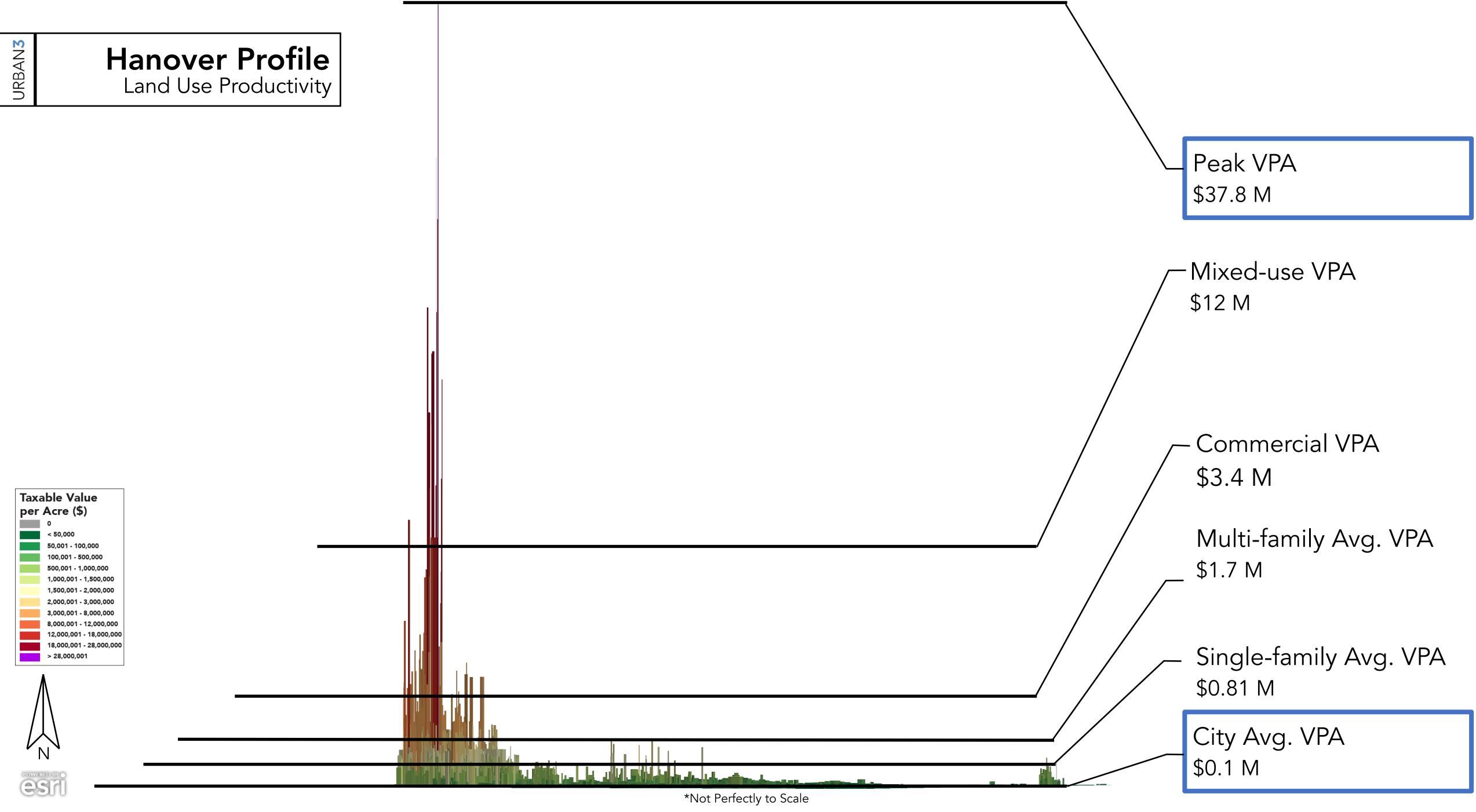


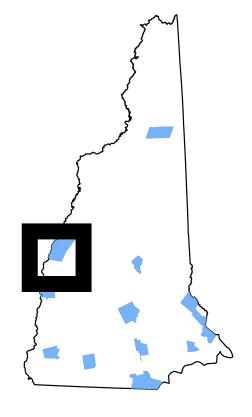






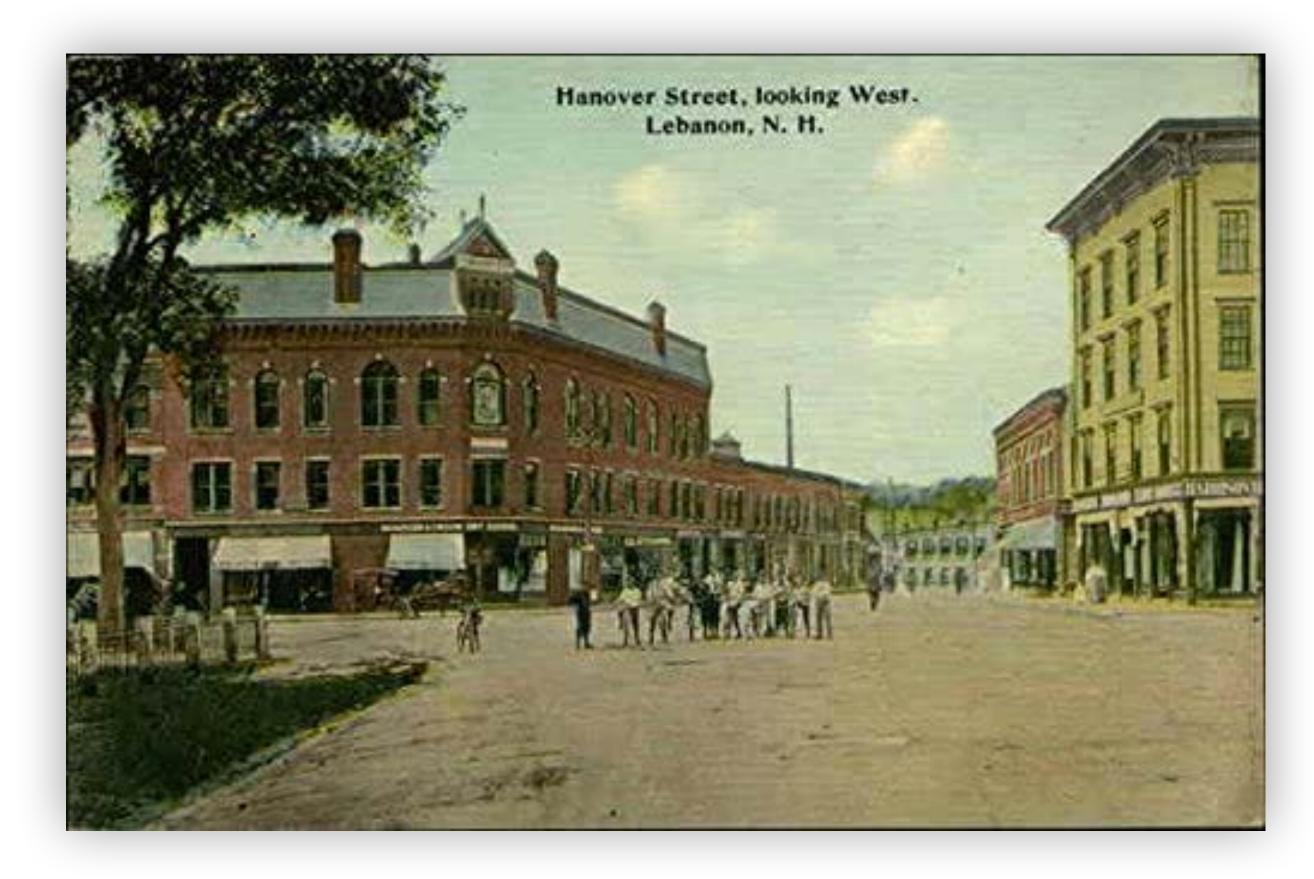






Case Study: Economic MRI® 2020

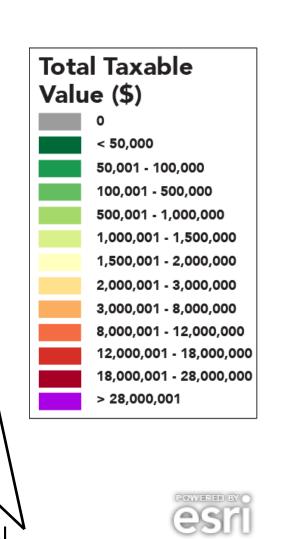
# Lebanon

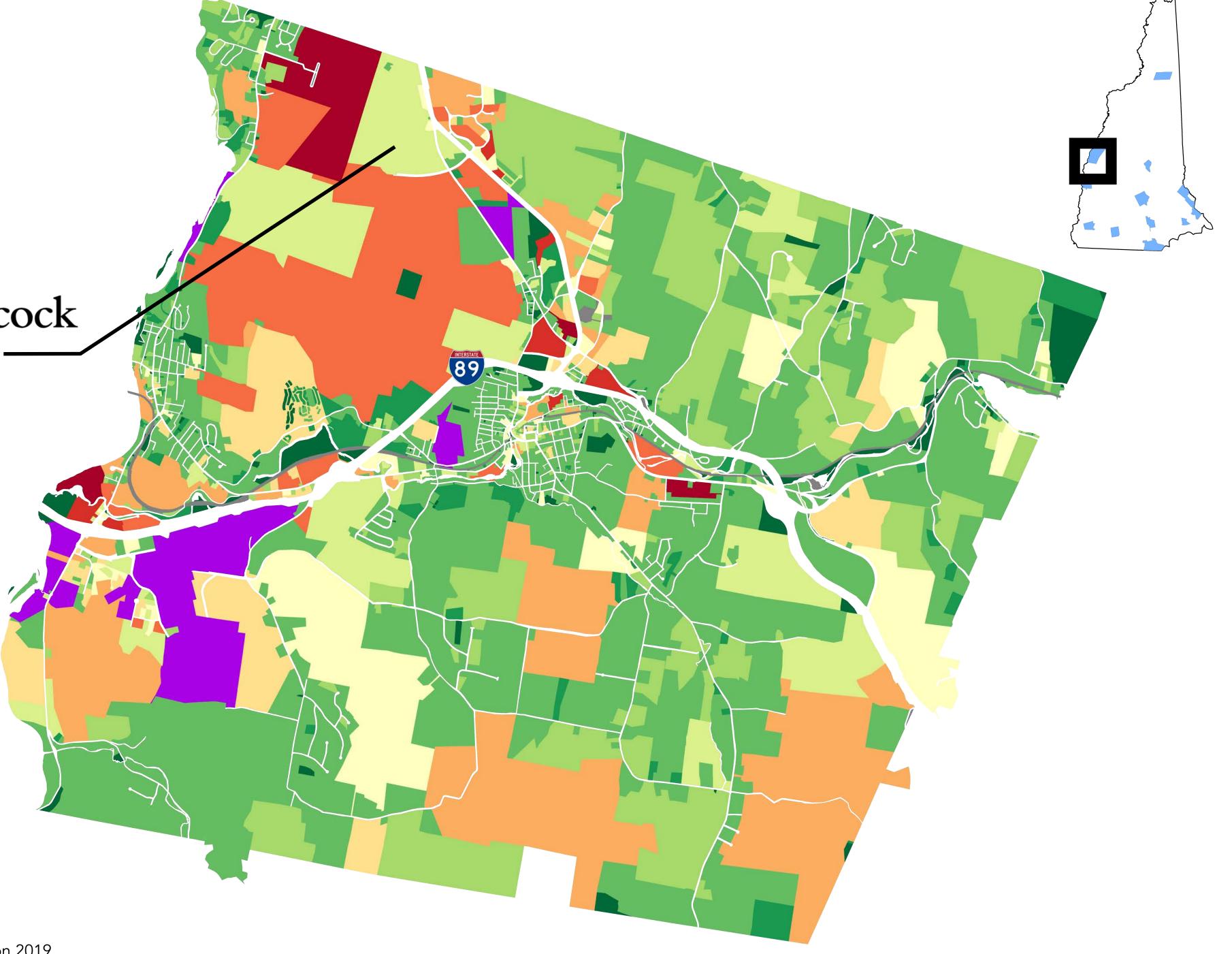


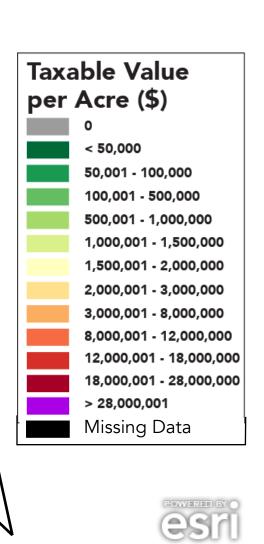


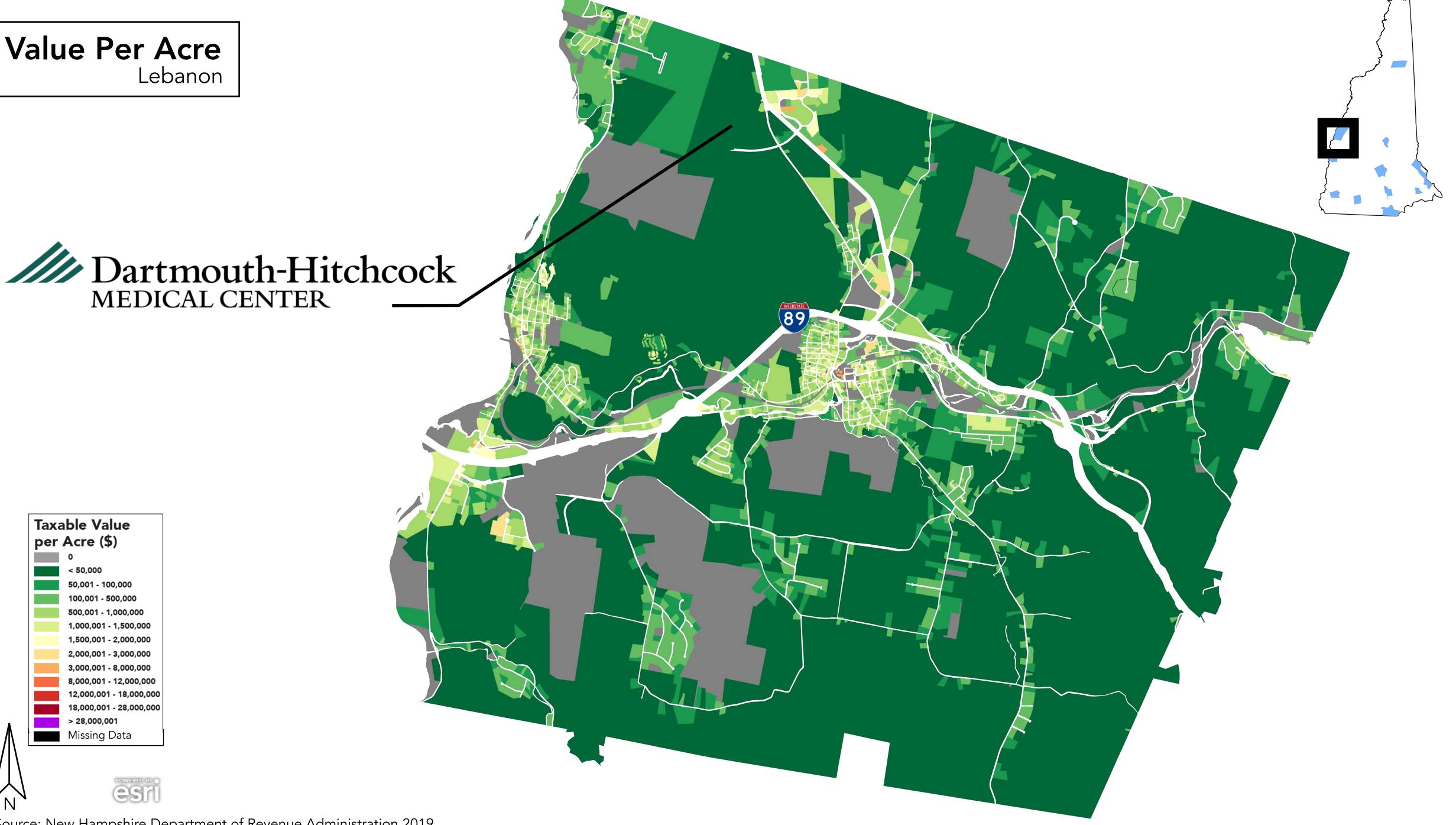
#### Total Value Lebanon





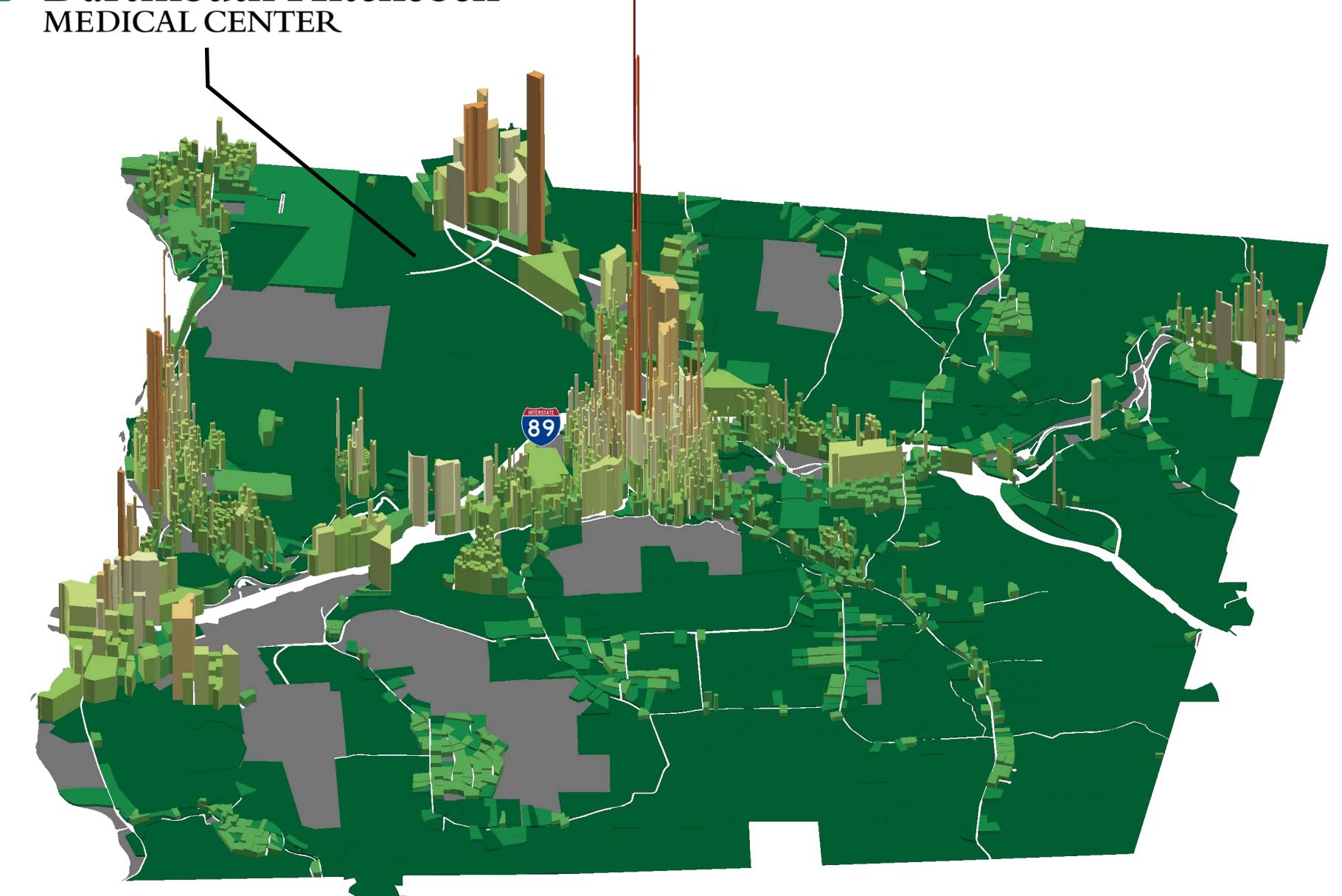


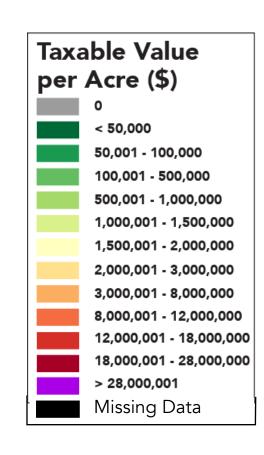


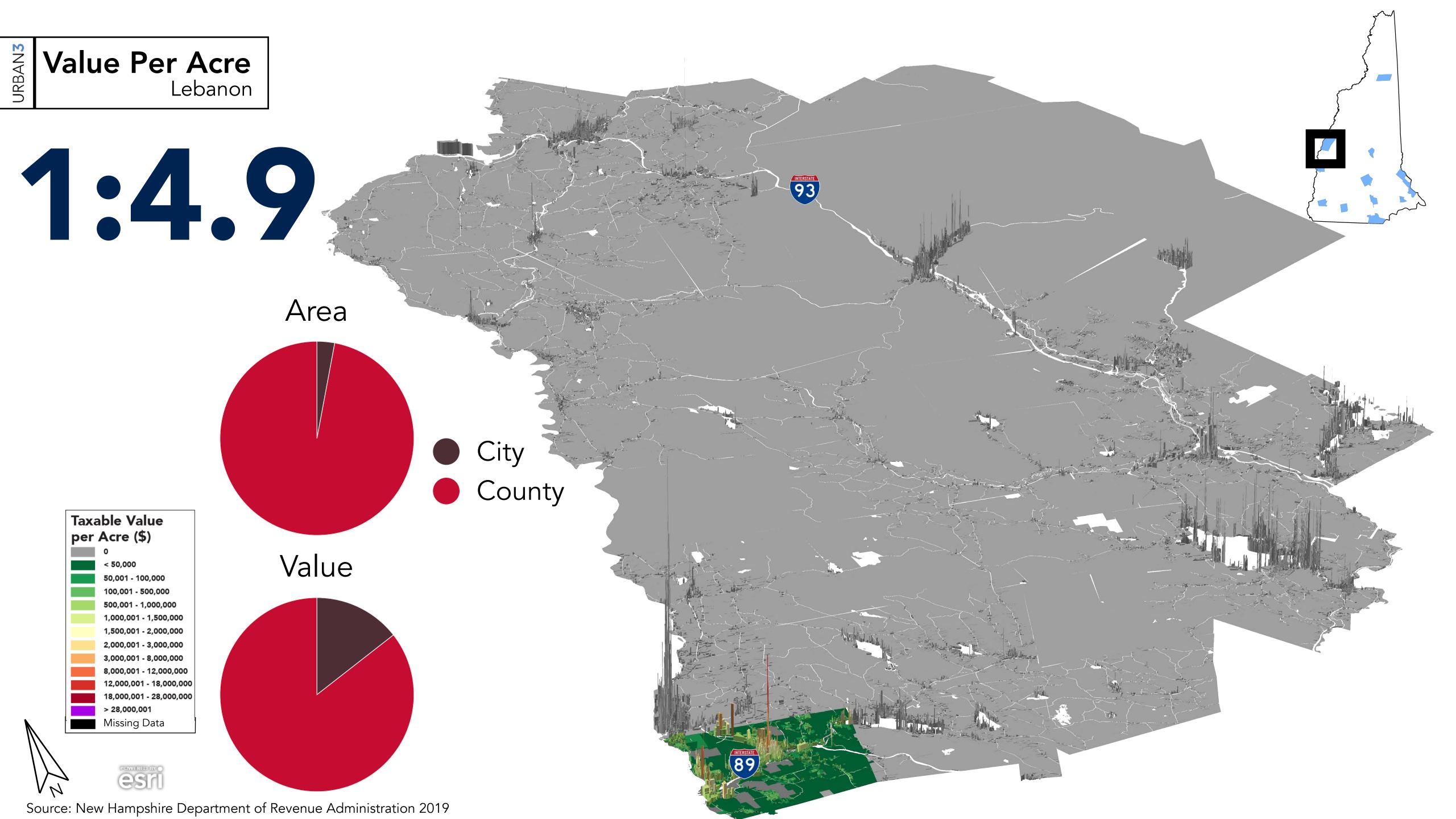


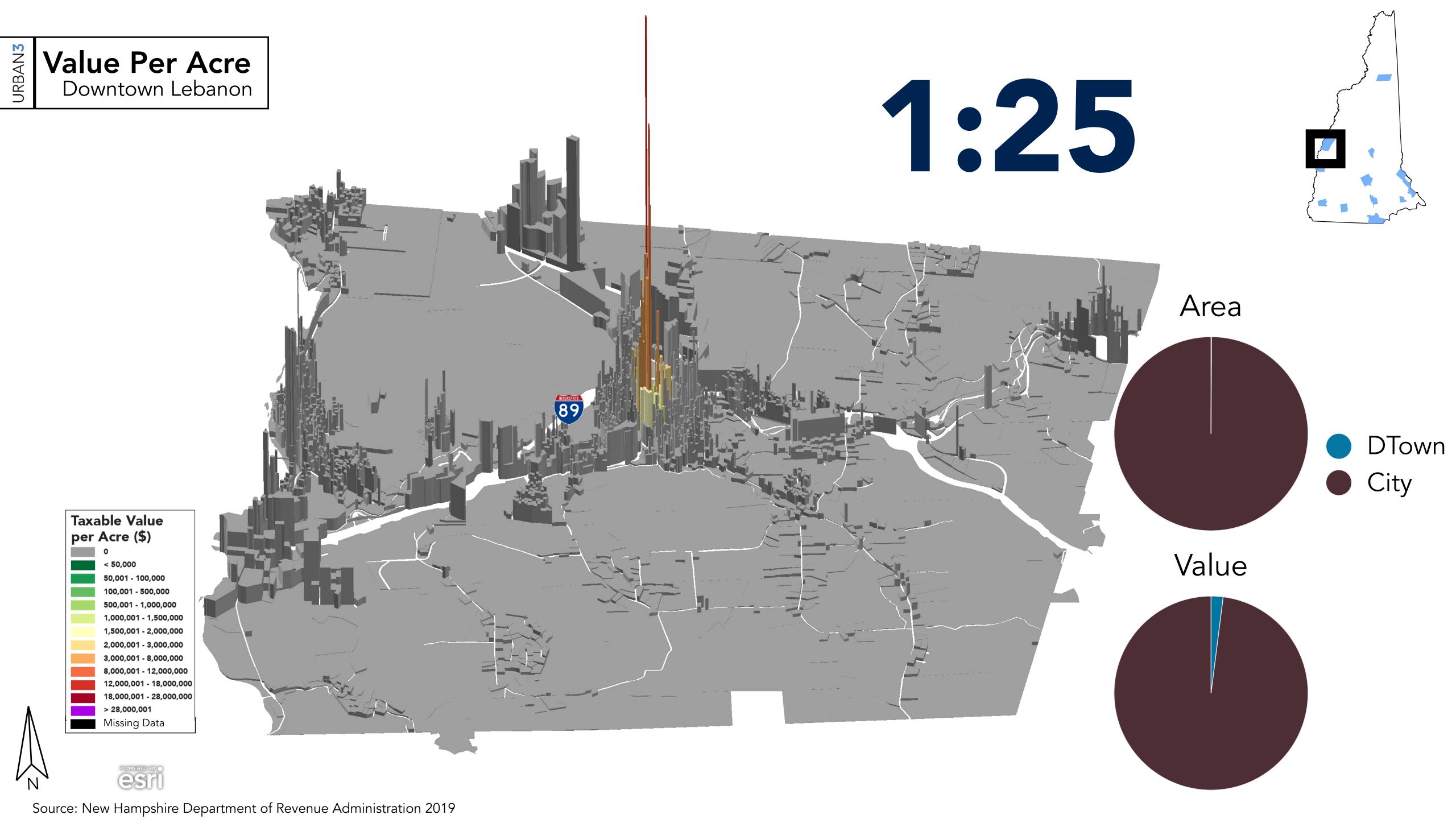
#### Value Per Acre Lebanon

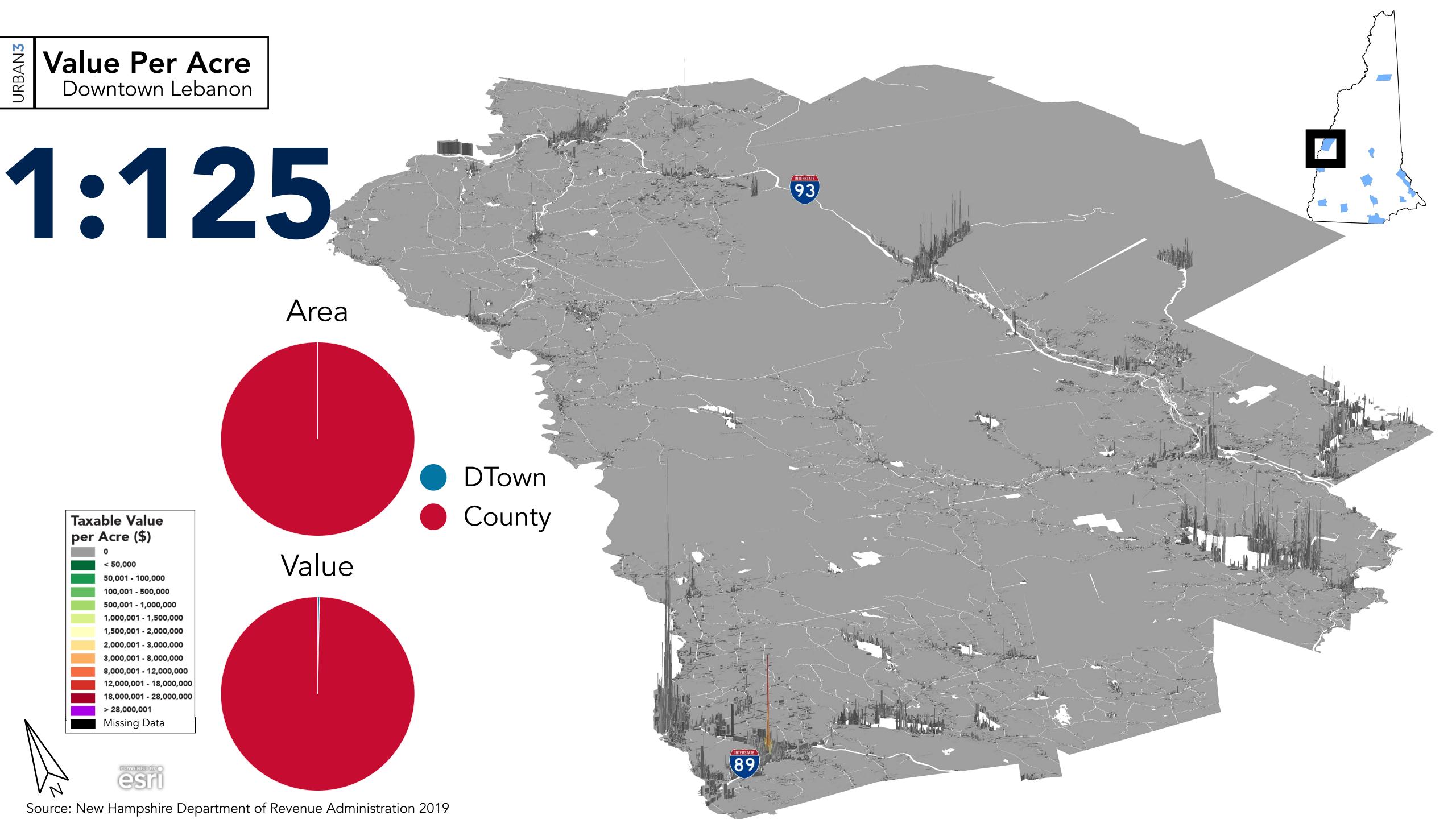
Dartmouth-Hitchcock MEDICAL CENTER

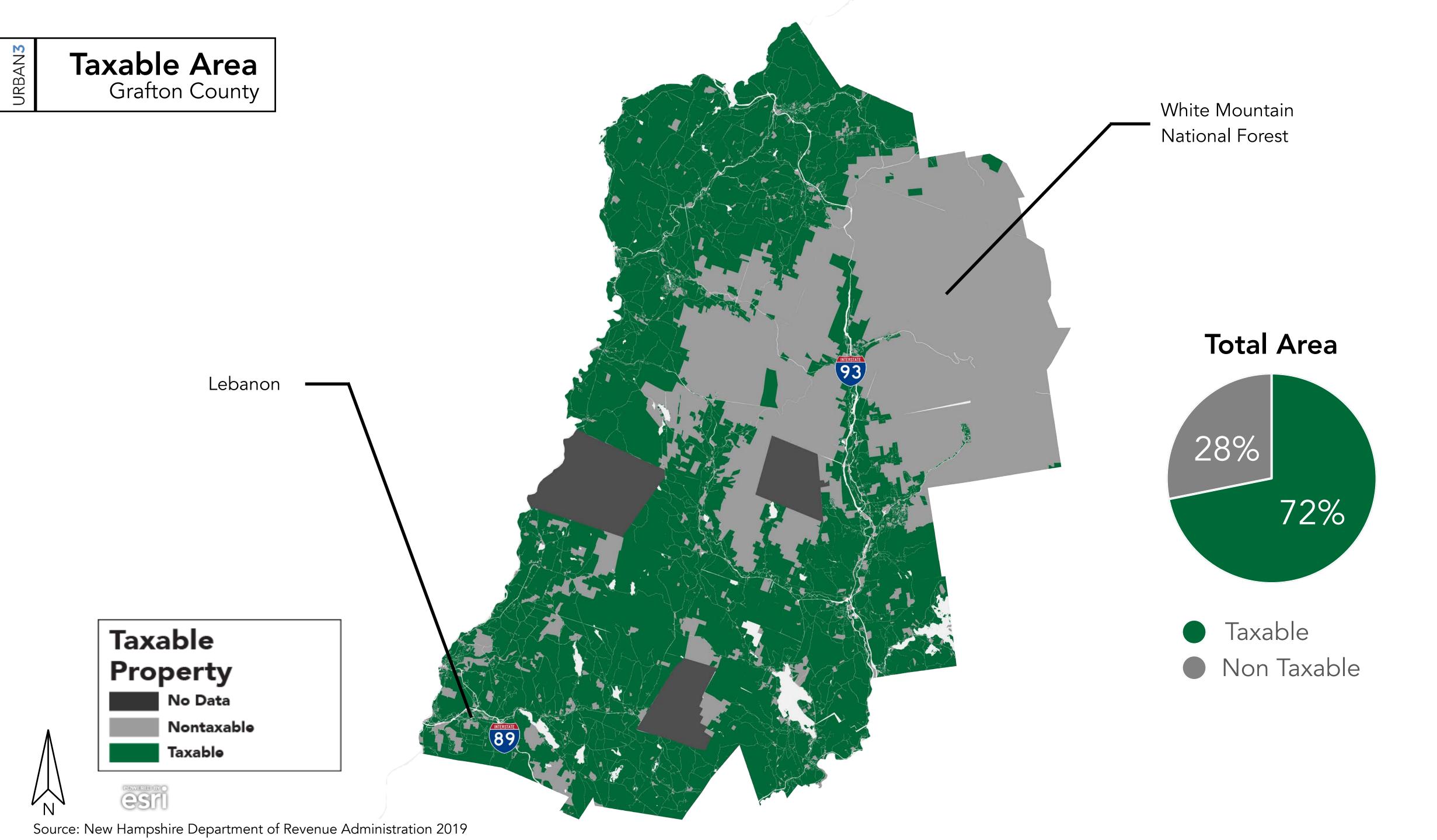








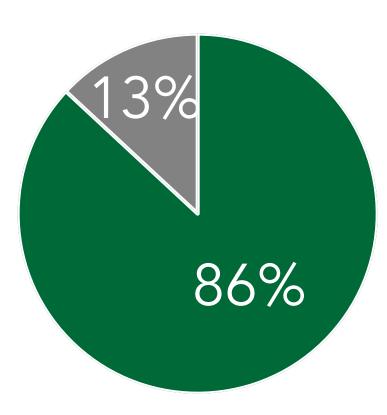




#### Taxable Area Lebanon

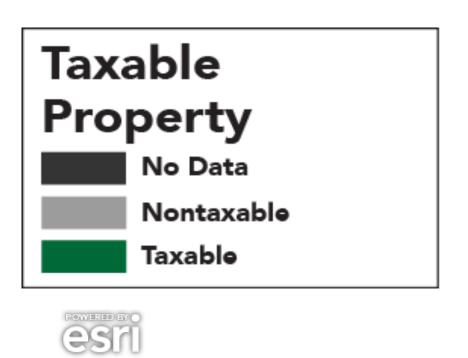
#### **Total Area**

Airport



Taxable

Nontaxable









# Land Use Types

Local samples of buildings and development types



es[



Single-family \_ Avg. VPA: \$0.51 M



esil



Multi-family Avg. VPA: \$1.2 M



Single-family \_ Avg. VPA: \$0.51 M



esil



Multi-family Avg. VPA: \$1.2 M



Single-family \_ Avg. VPA: \$0.51 M

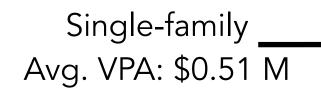


Commercial VPA: \$1.1 M



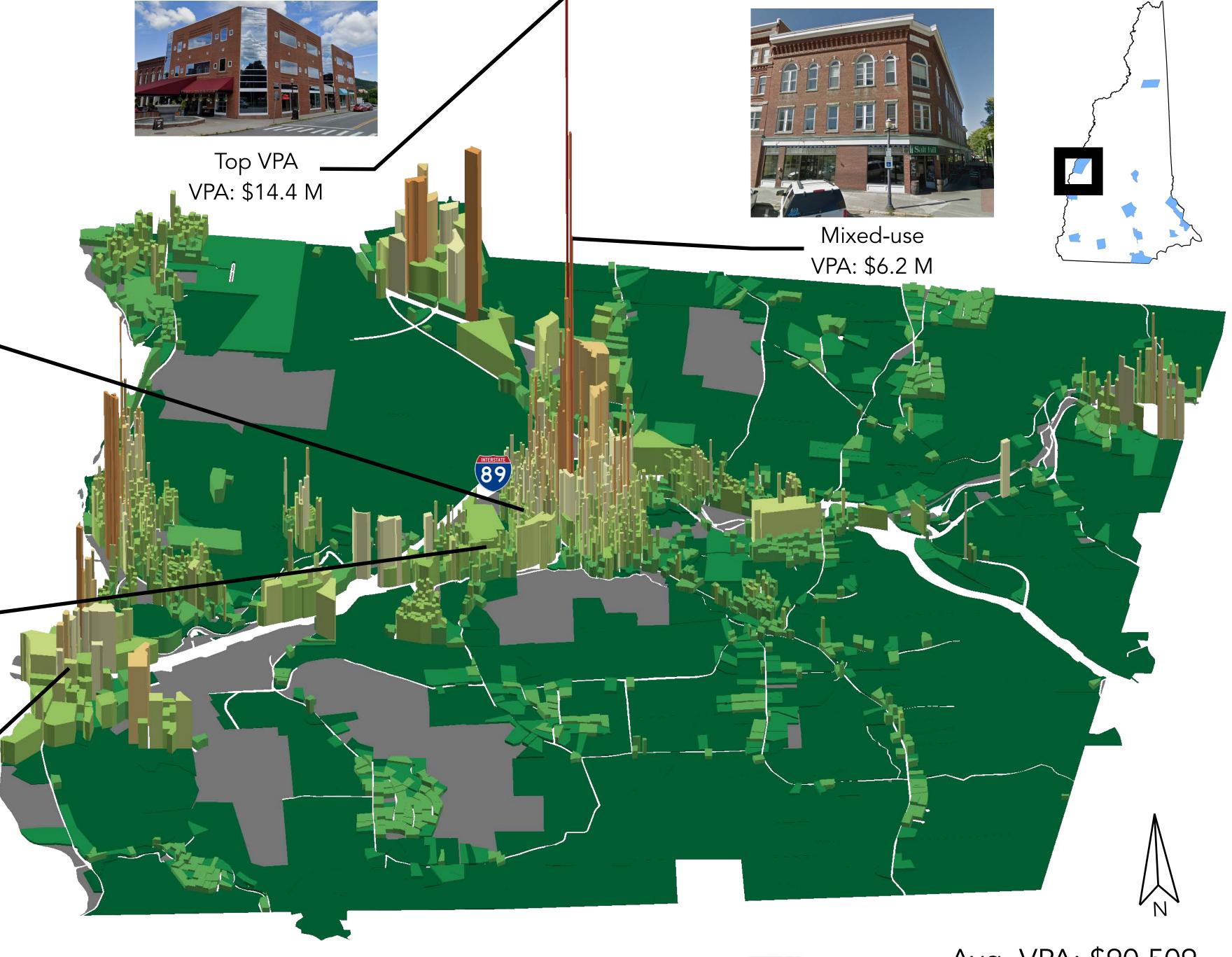


Multi-family





Commercial VPA: \$1.1 M







Avg. VPA: \$0.51 M Multi-family

Single-family



Avg. VPA: \$1.2 M

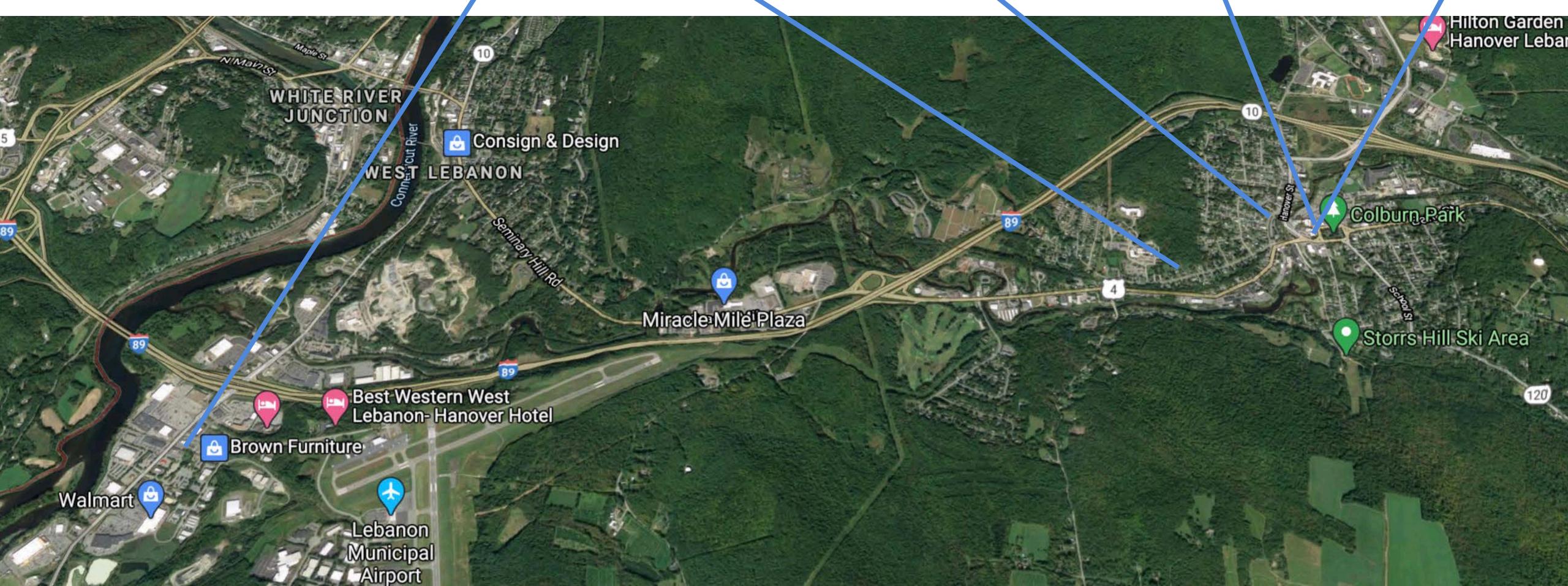


Peak VPA



Mixed-use



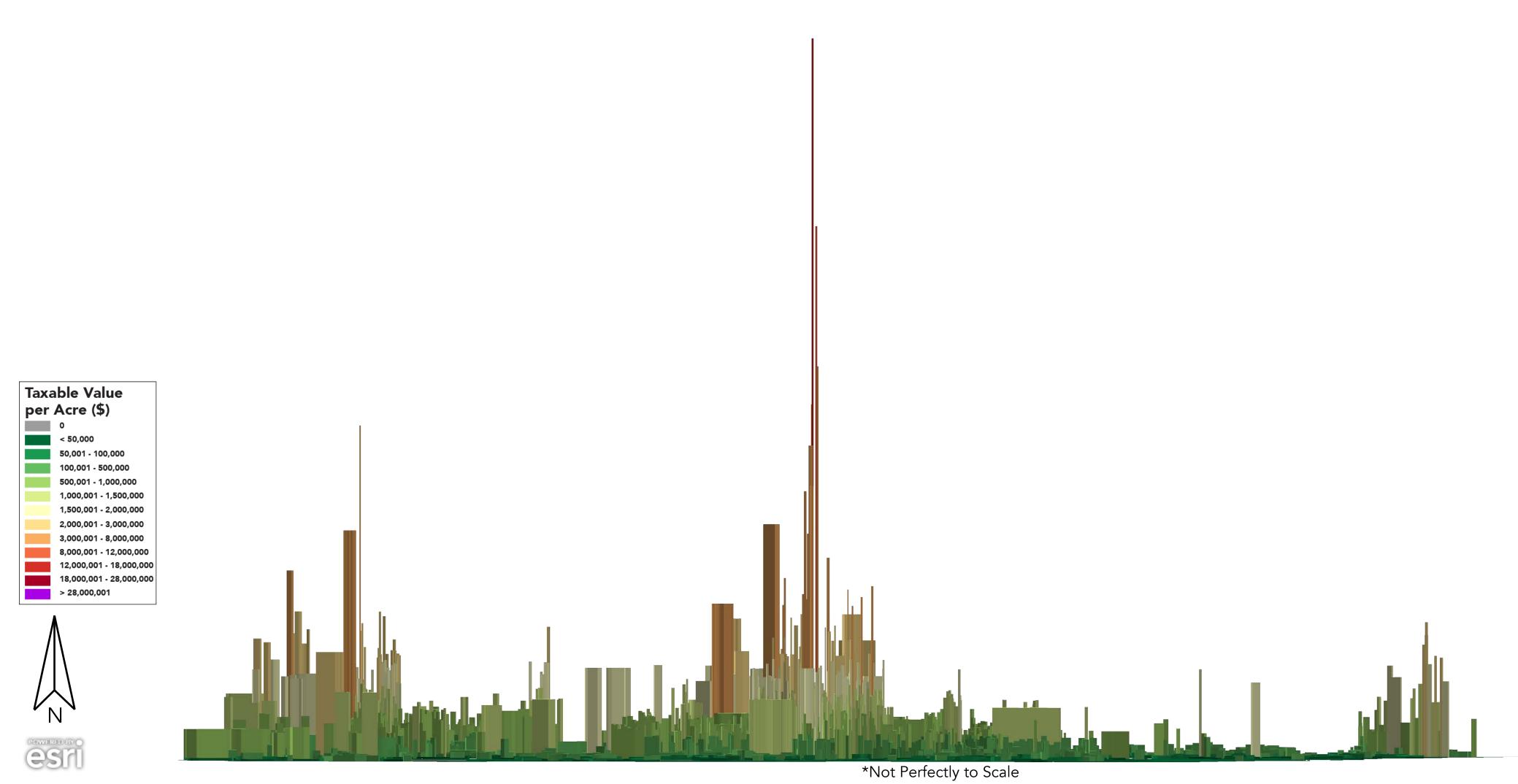




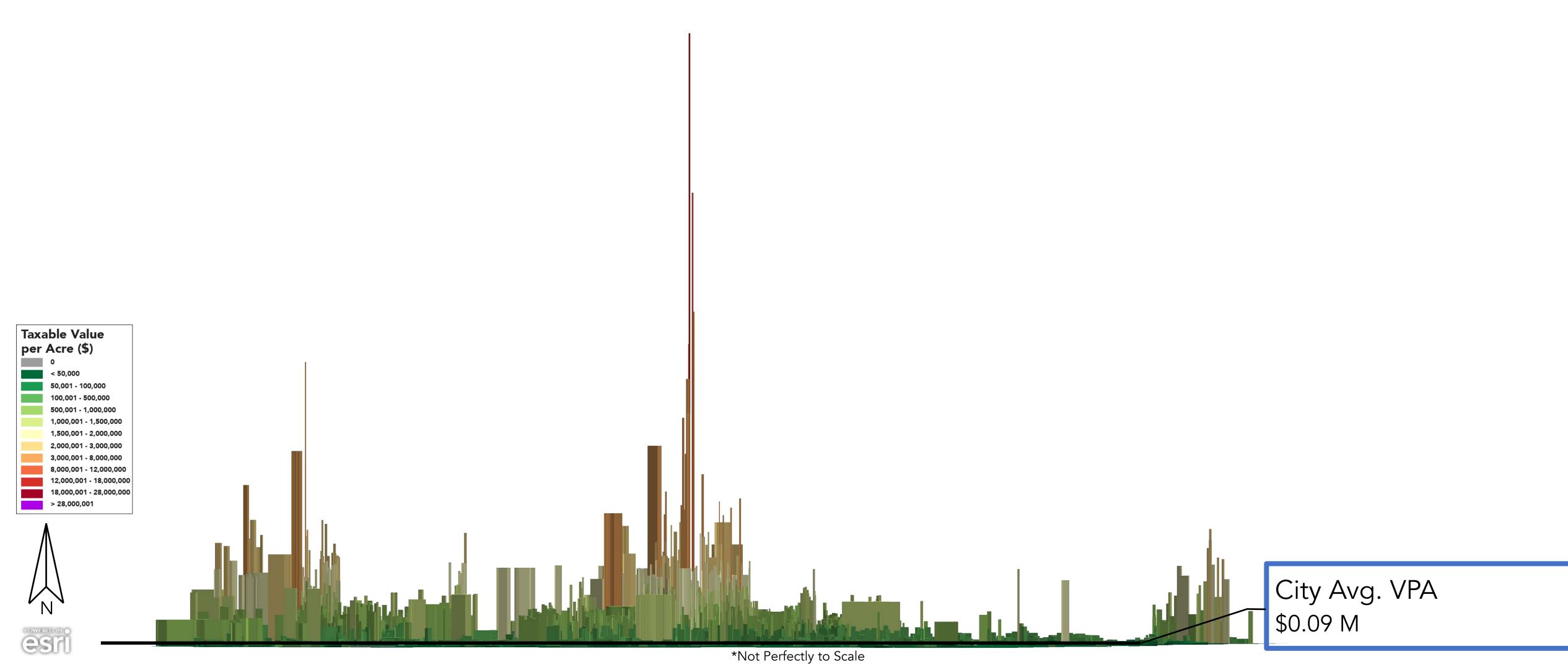


Geospatial Analysis

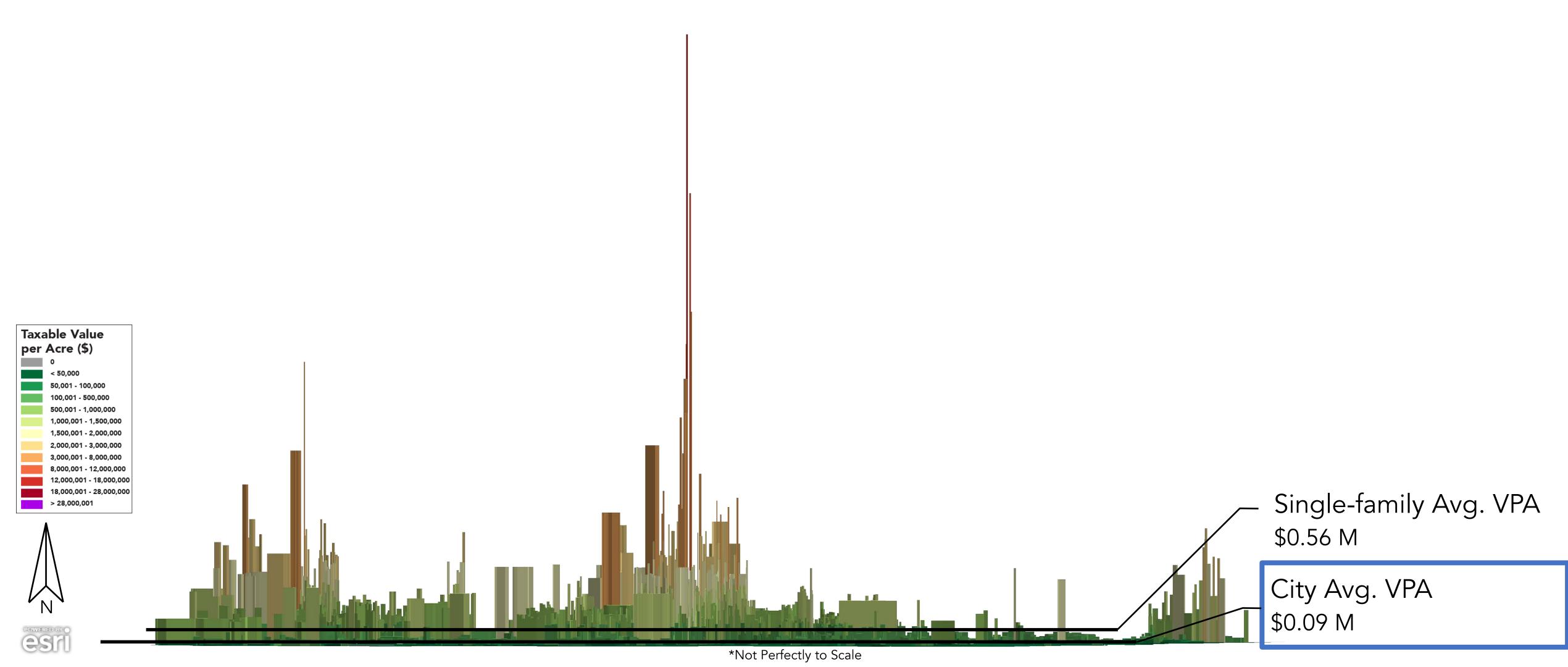
# Lebanon Profile Land Use Productivity



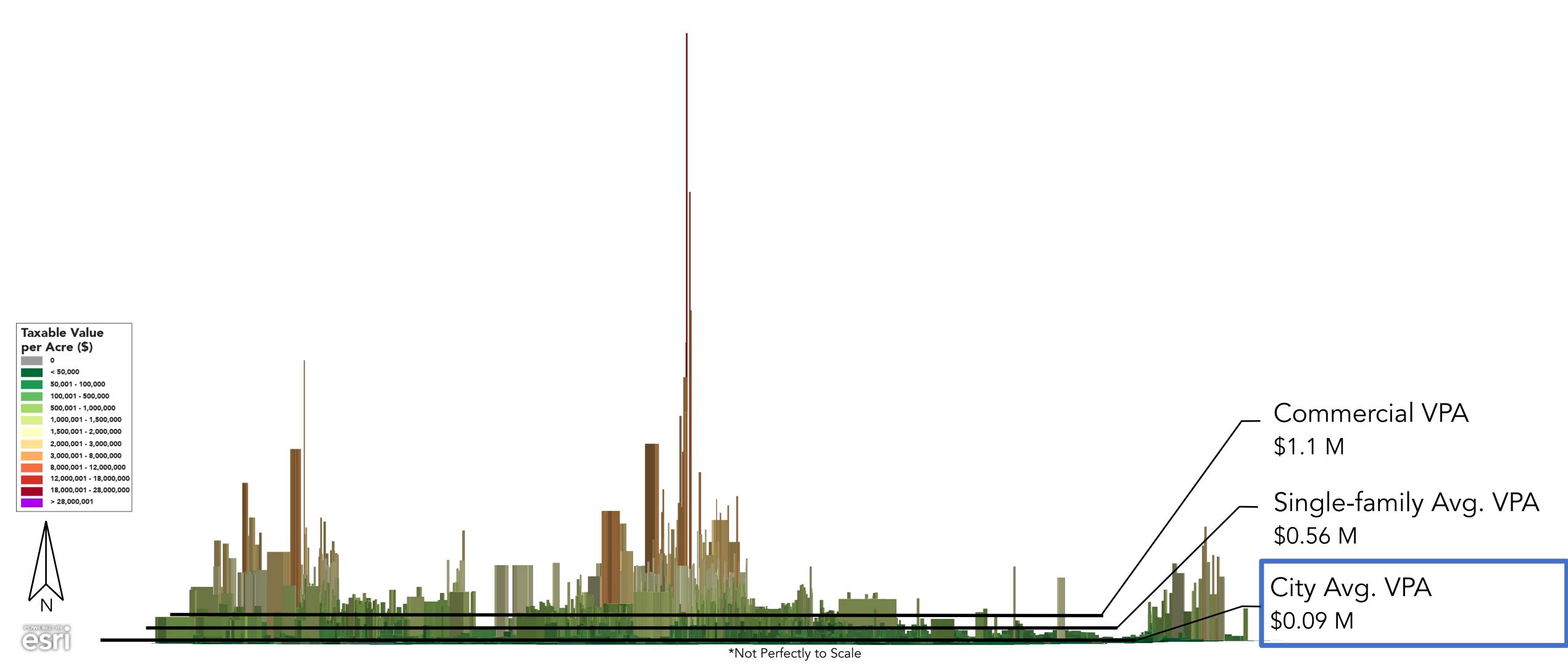
Land Use Productivity



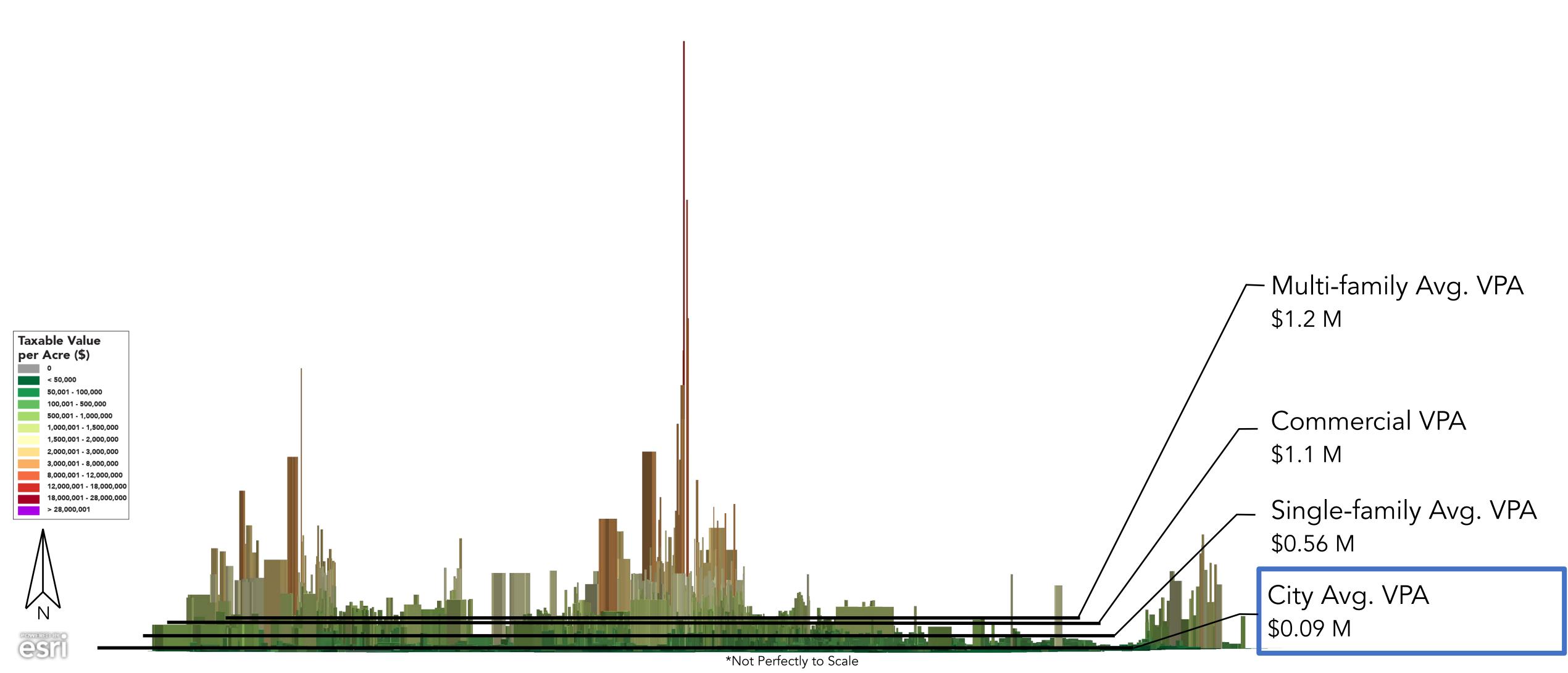
Land Use Productivity



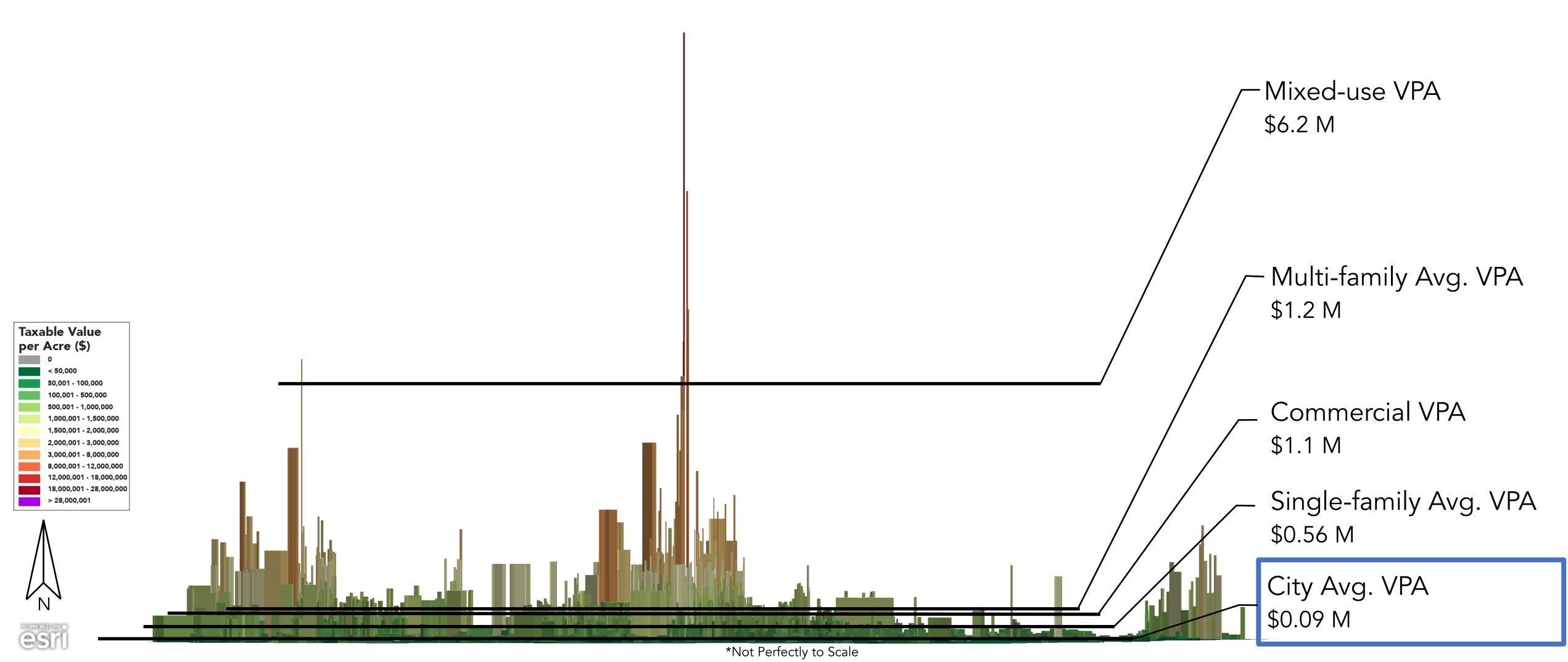
Land Use Productivity



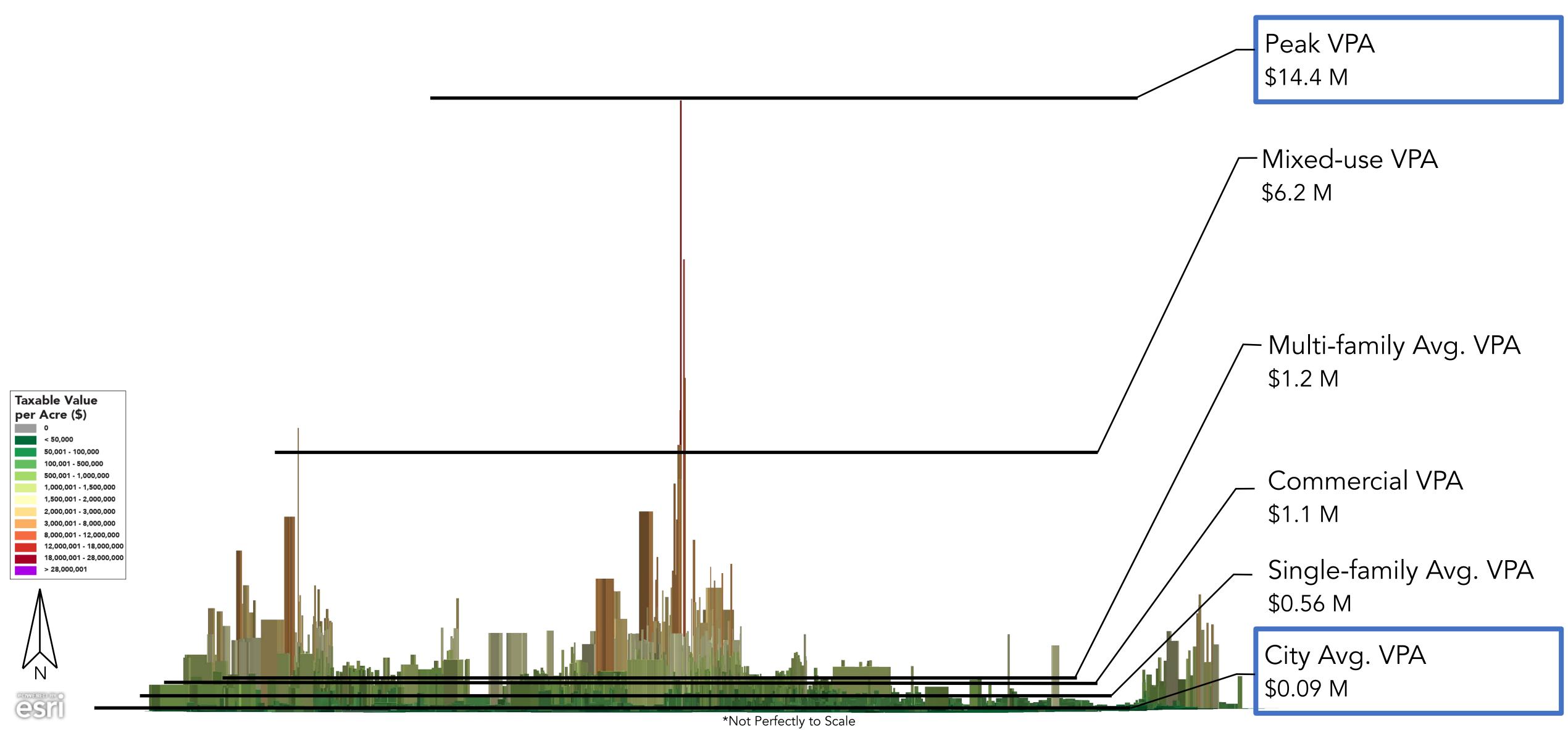
Land Use Productivity



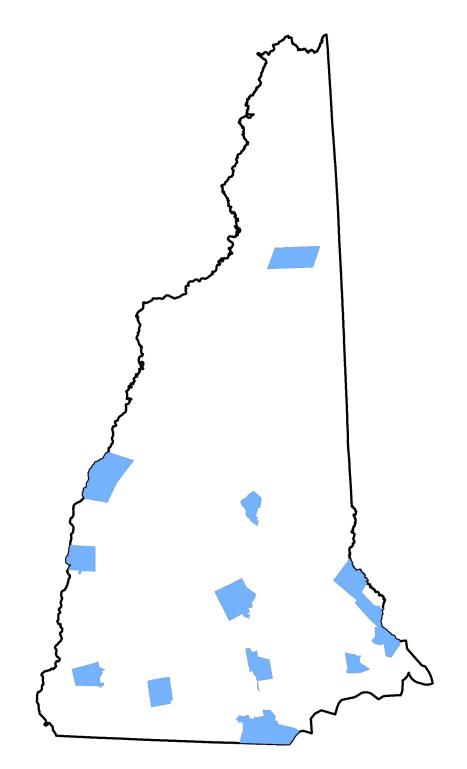
Land Use Productivity



Land Use Productivity

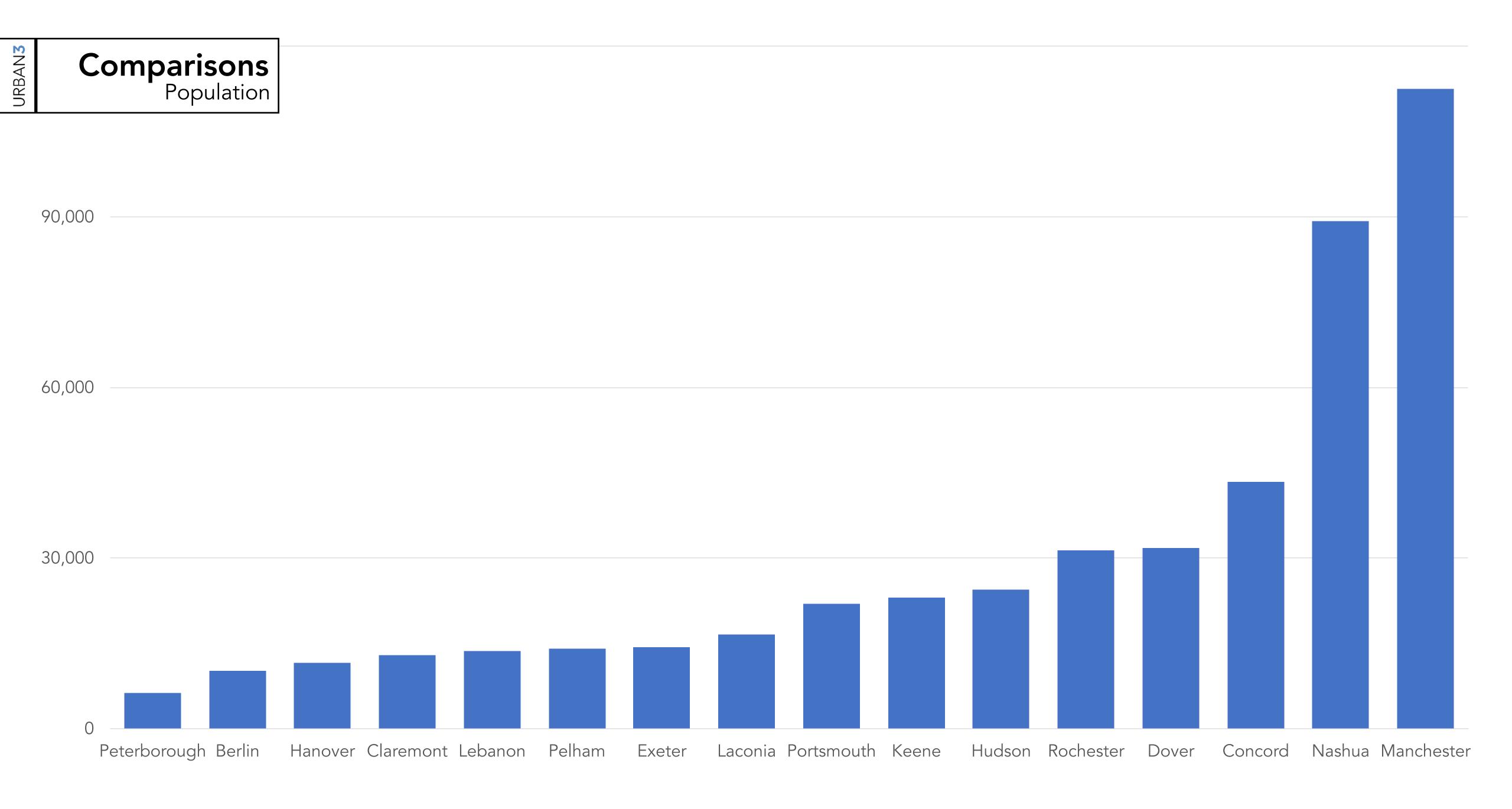




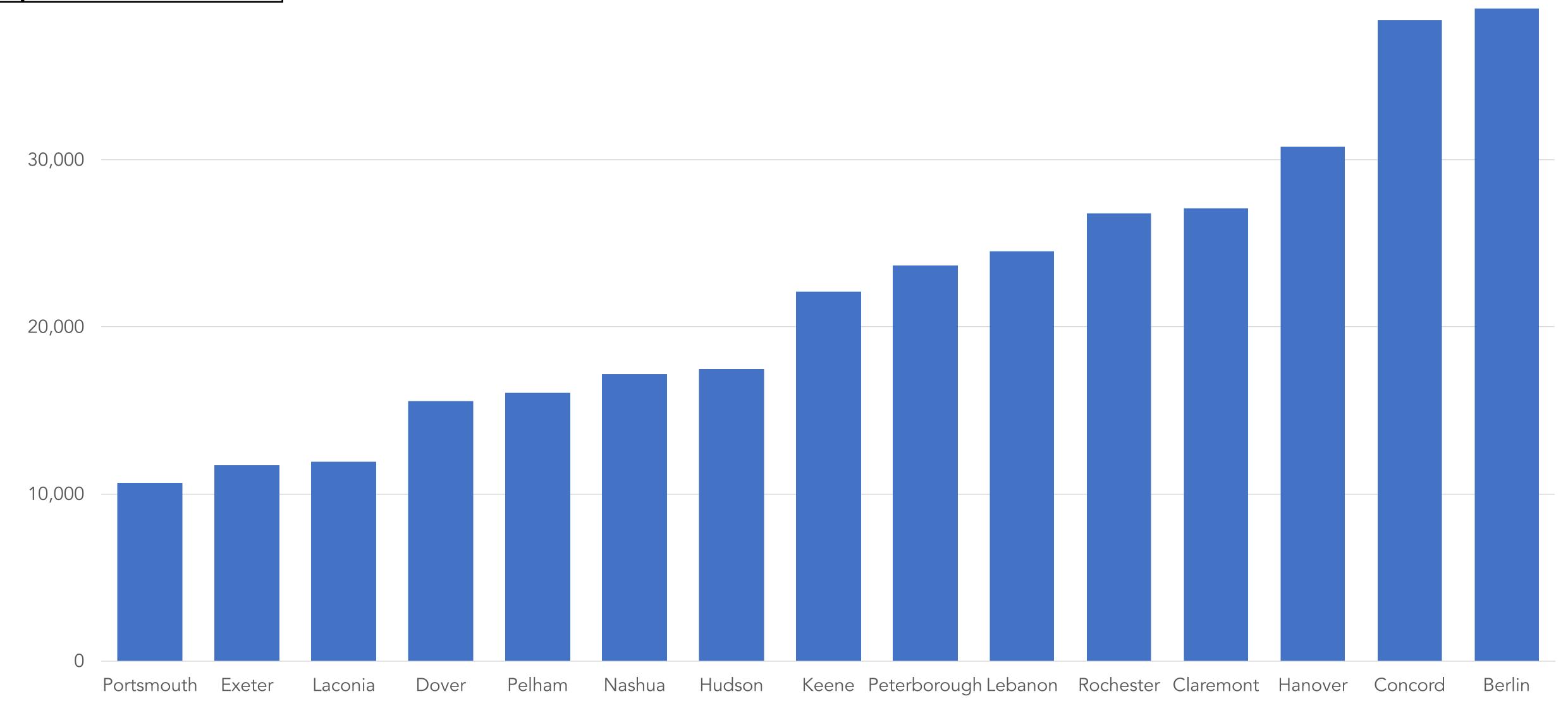


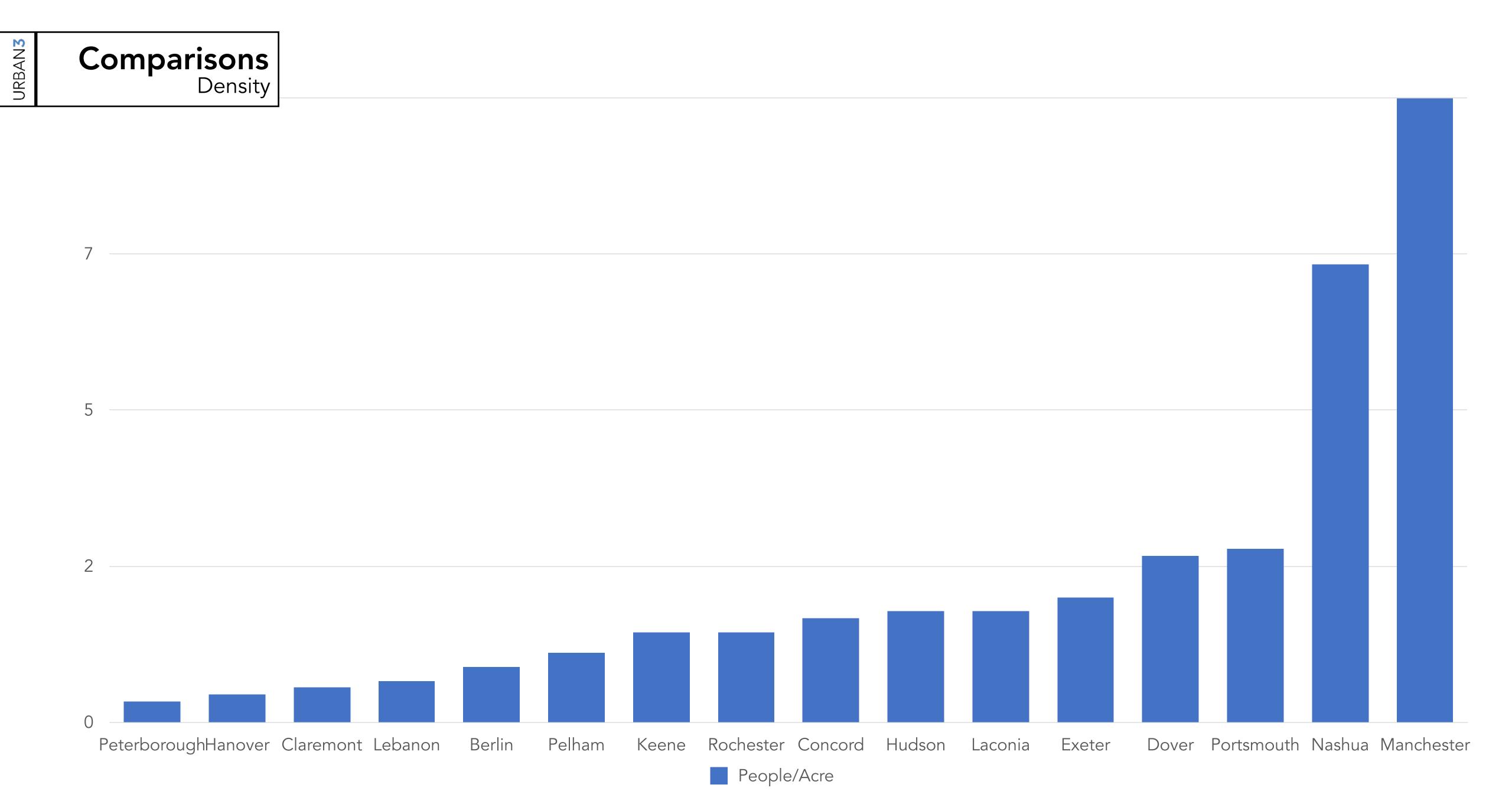
# Comparing Communities

15 municipalities from across New Hampshire



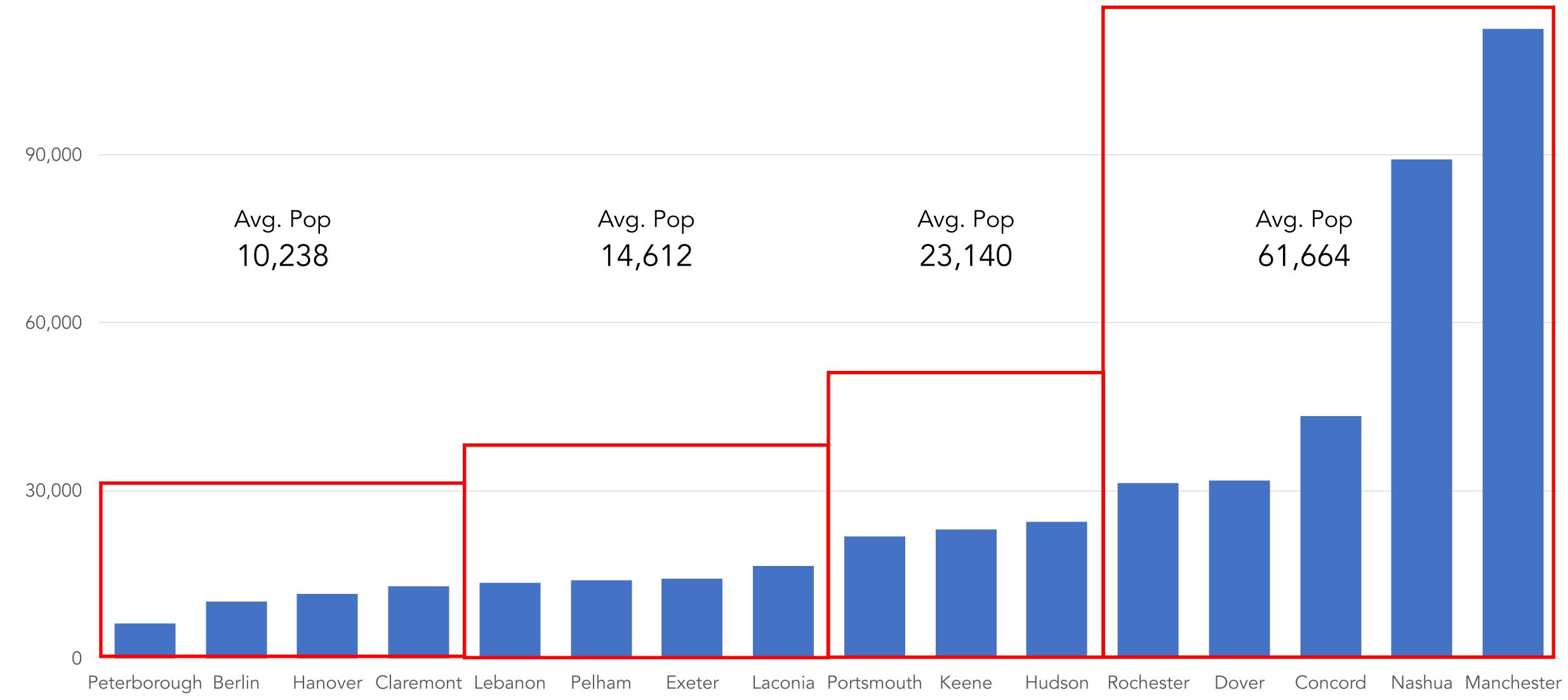
#### Comparisons Total Area (acres)

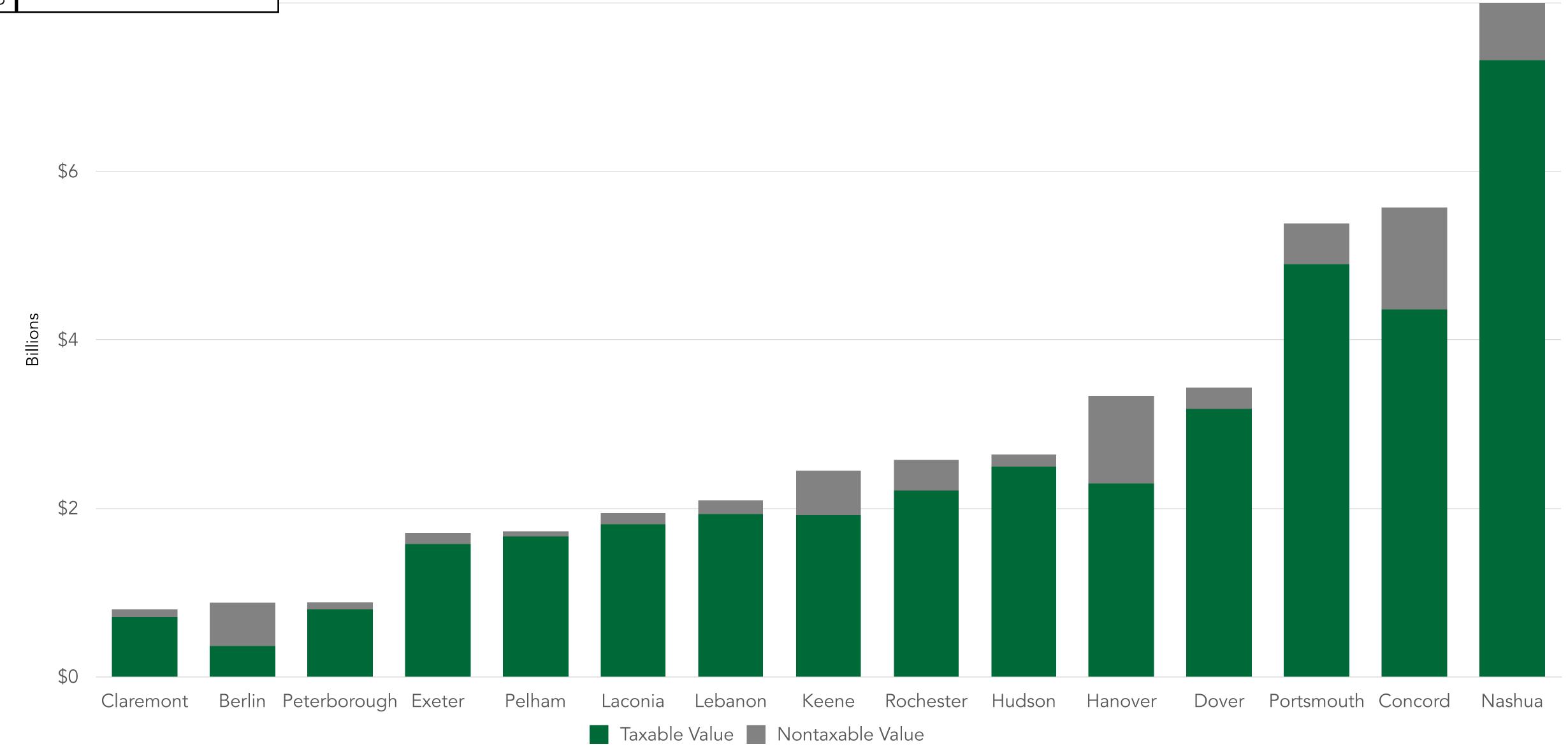


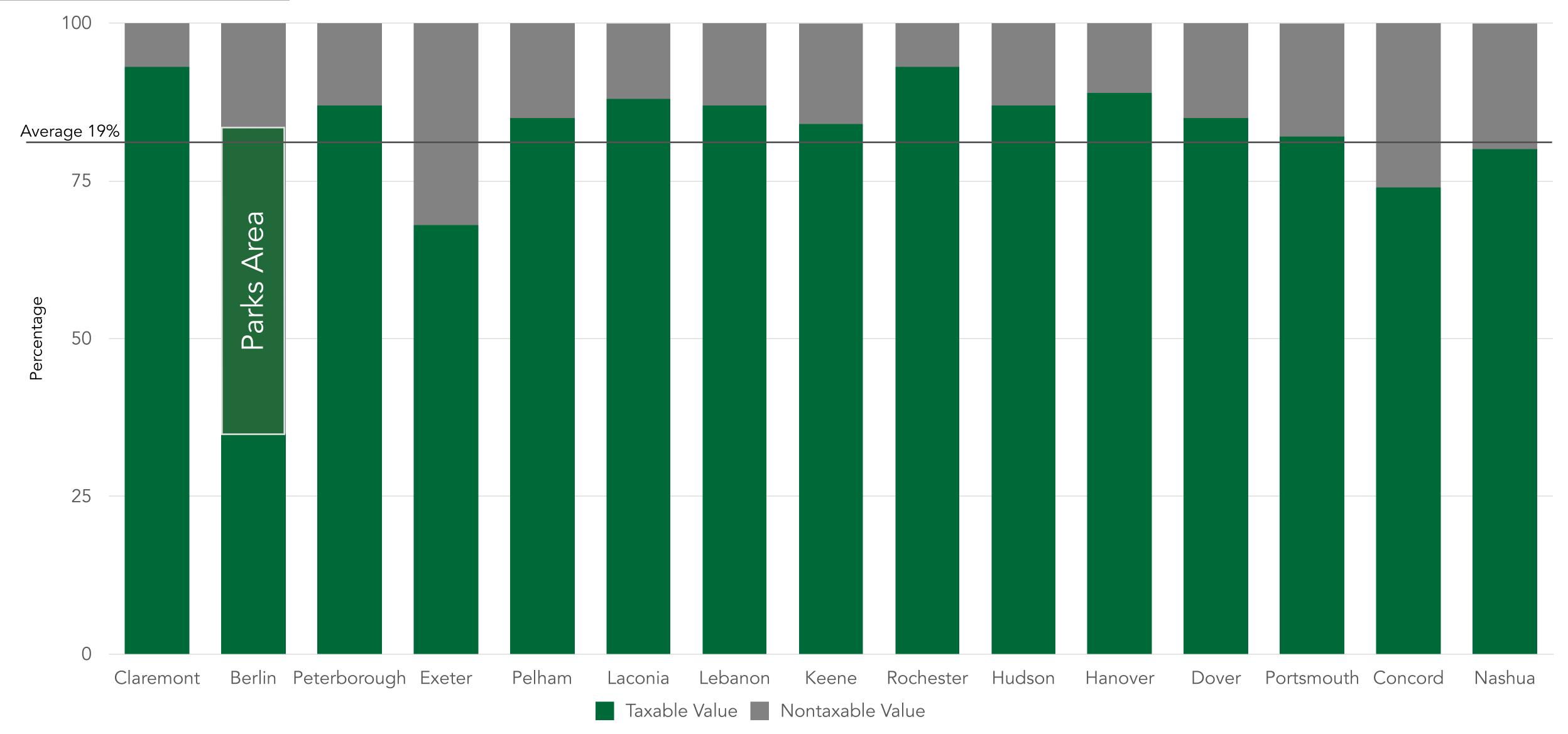


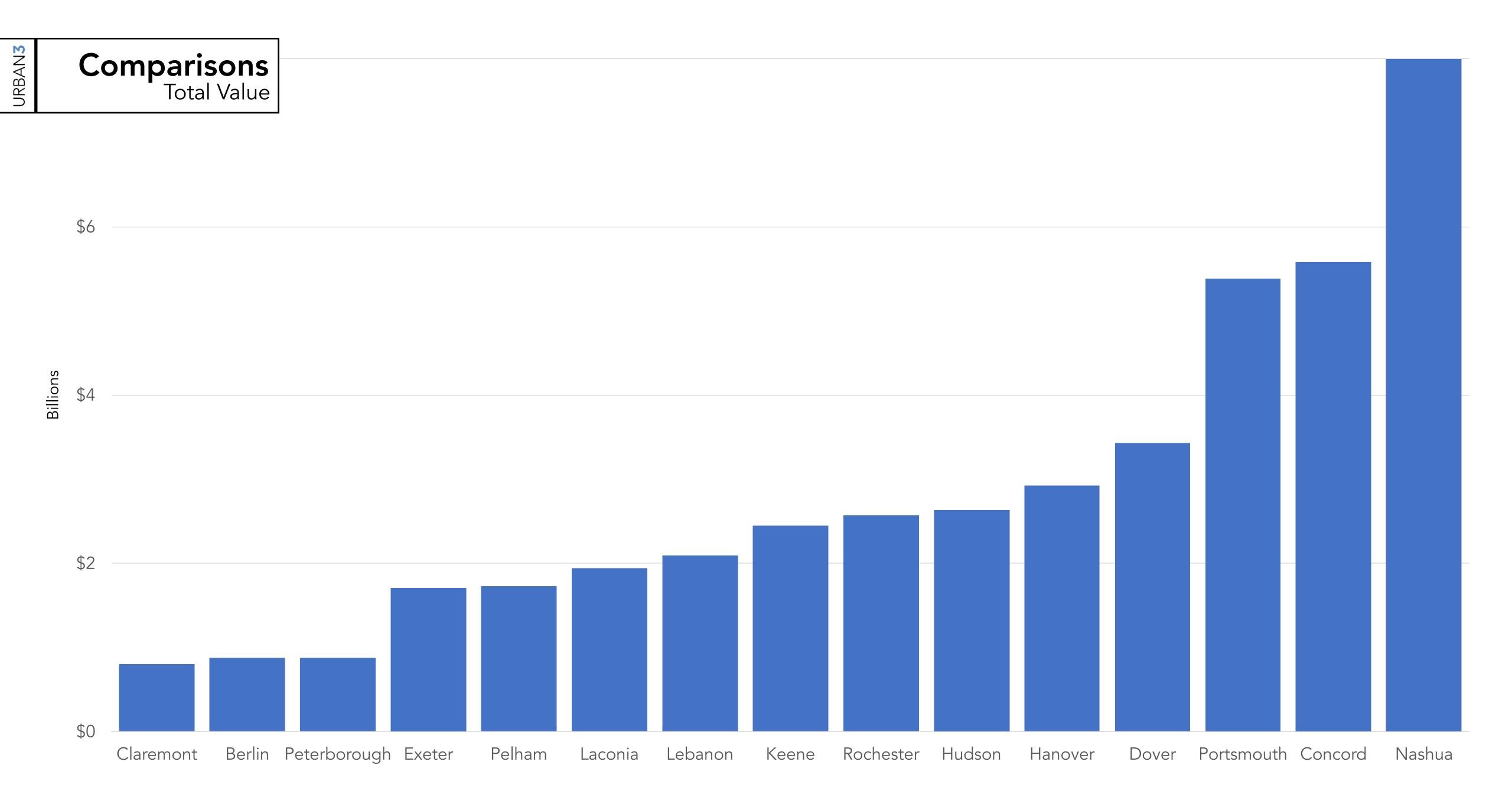


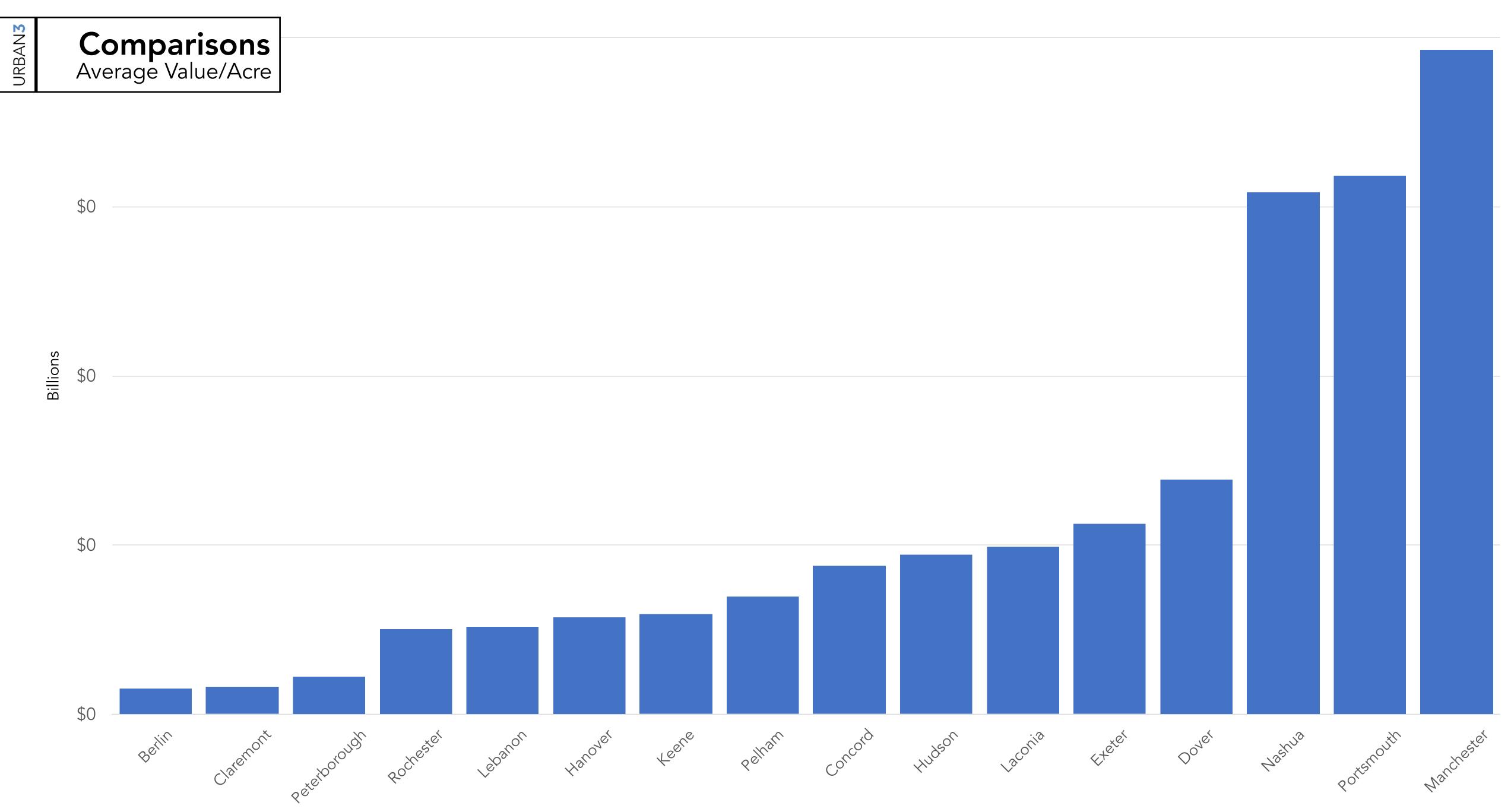
#### Peer Groups Population

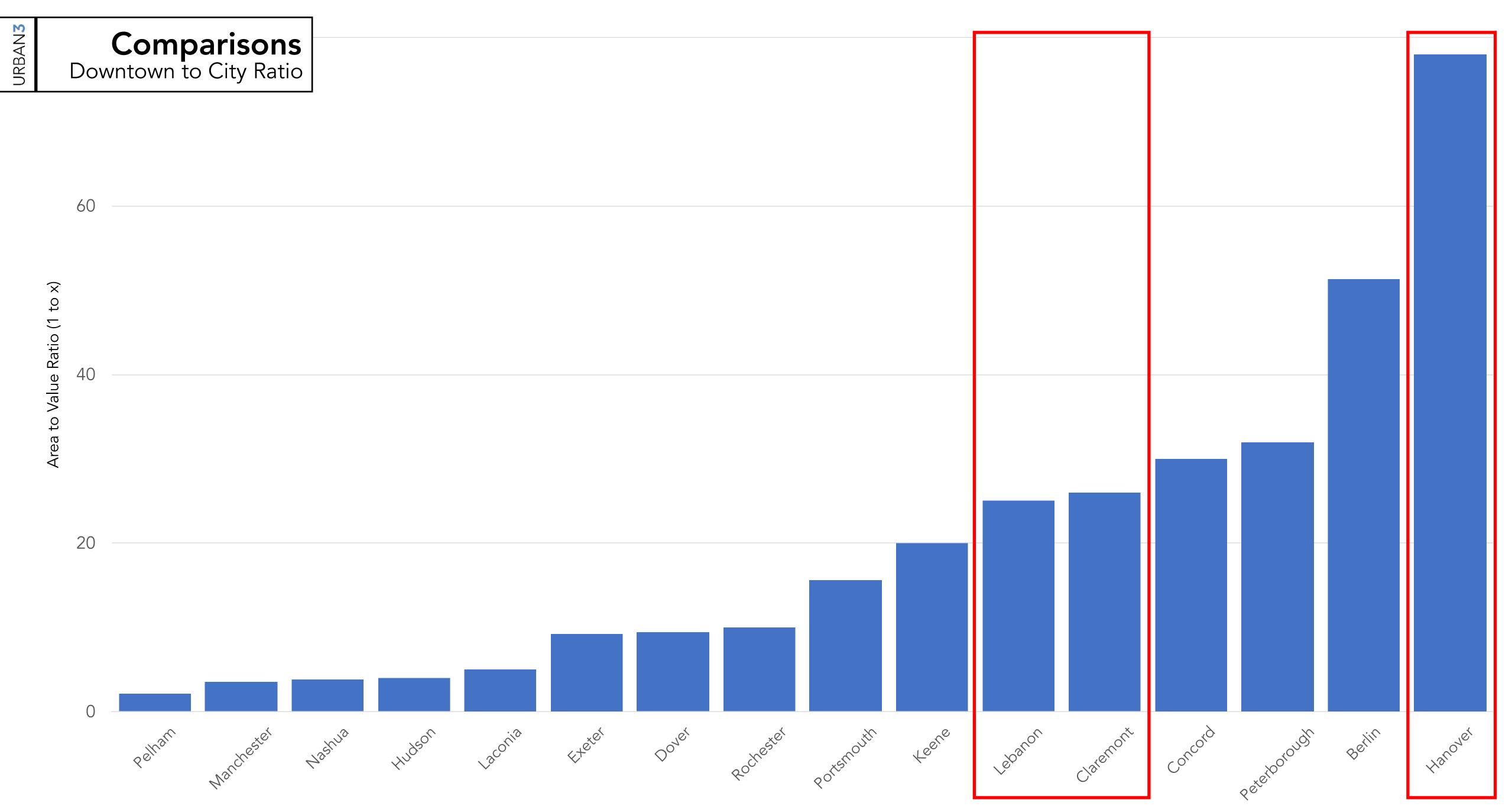


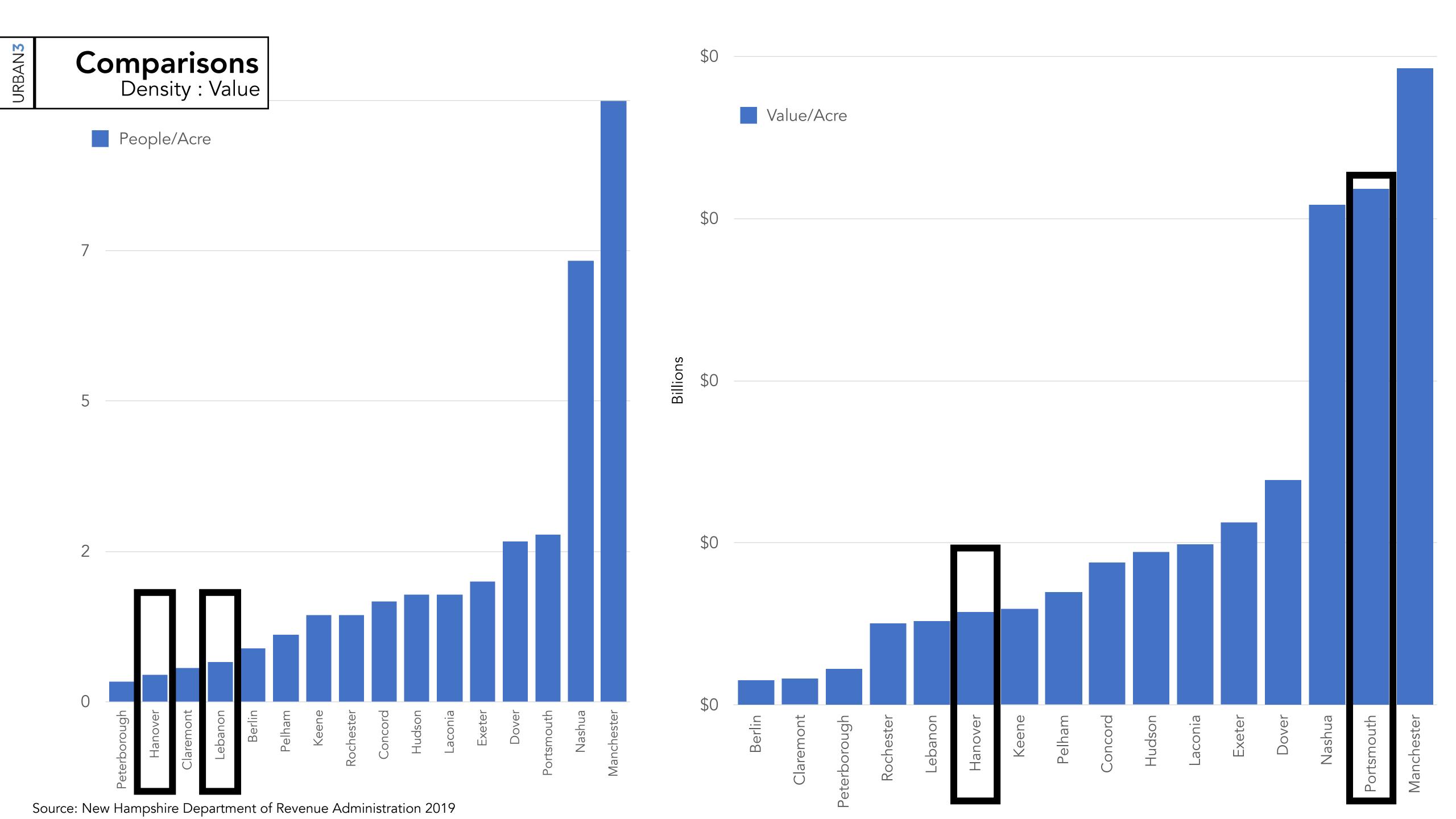






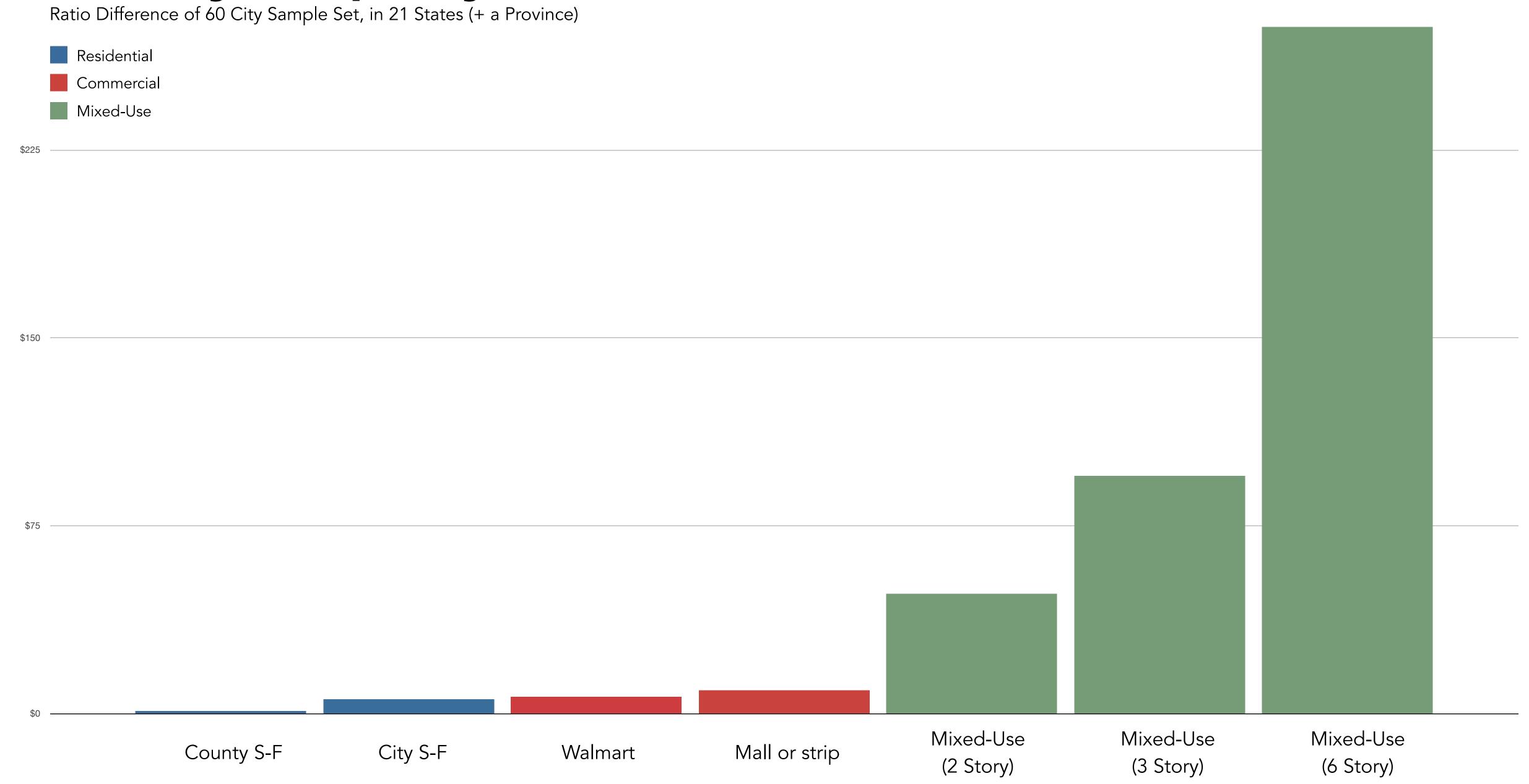






#### County Property Taxes/Acre





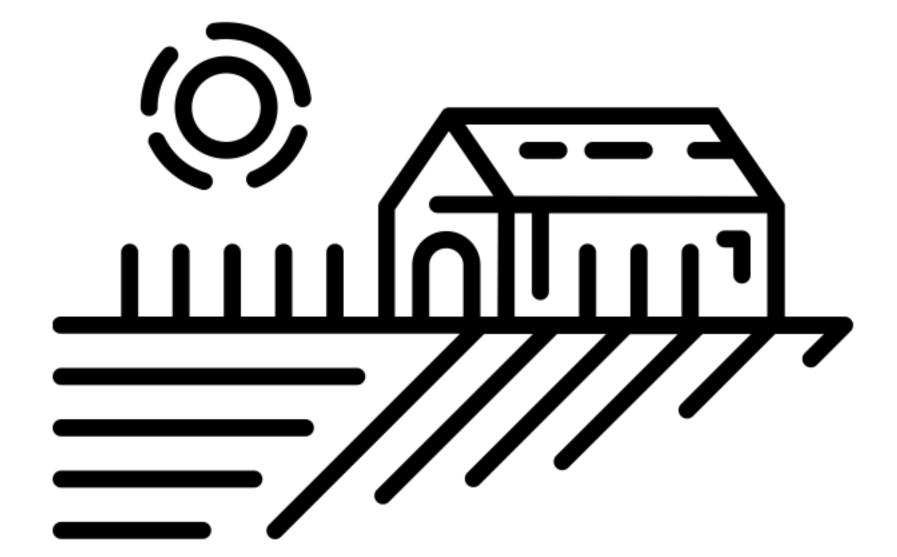
#### Property Value/Acre

URBAN3

Joseph Minicozzi, AICP

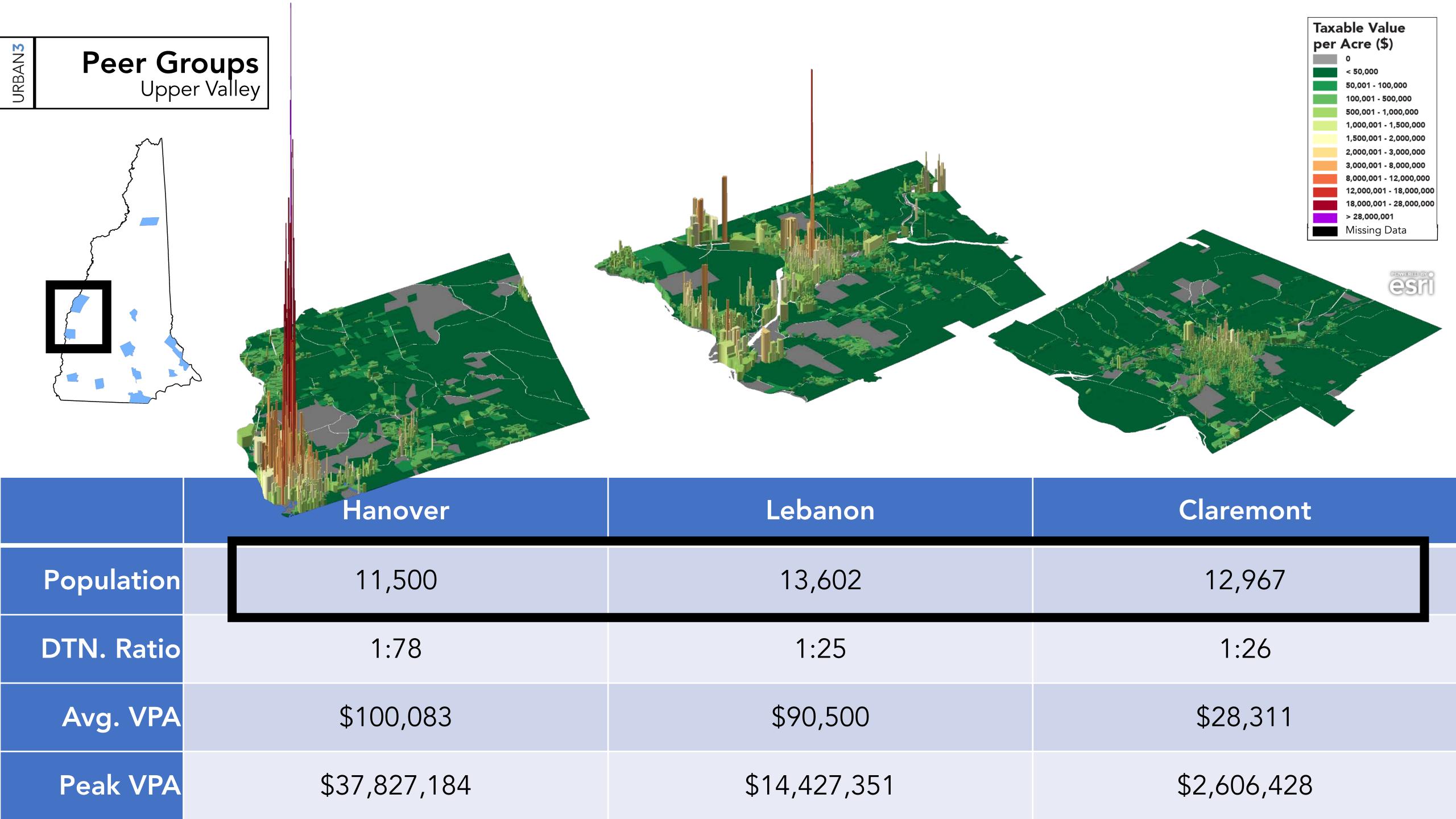
Ratio Difference of New Hampshire Sample Set Residential Commercial Mixed-Use \$13,500,000 \$9,000,000 \$4,500,000 Mixed-Use Mixed-Use City S-F Commercial Box City M-F (Peak Value/Acre) (Average)

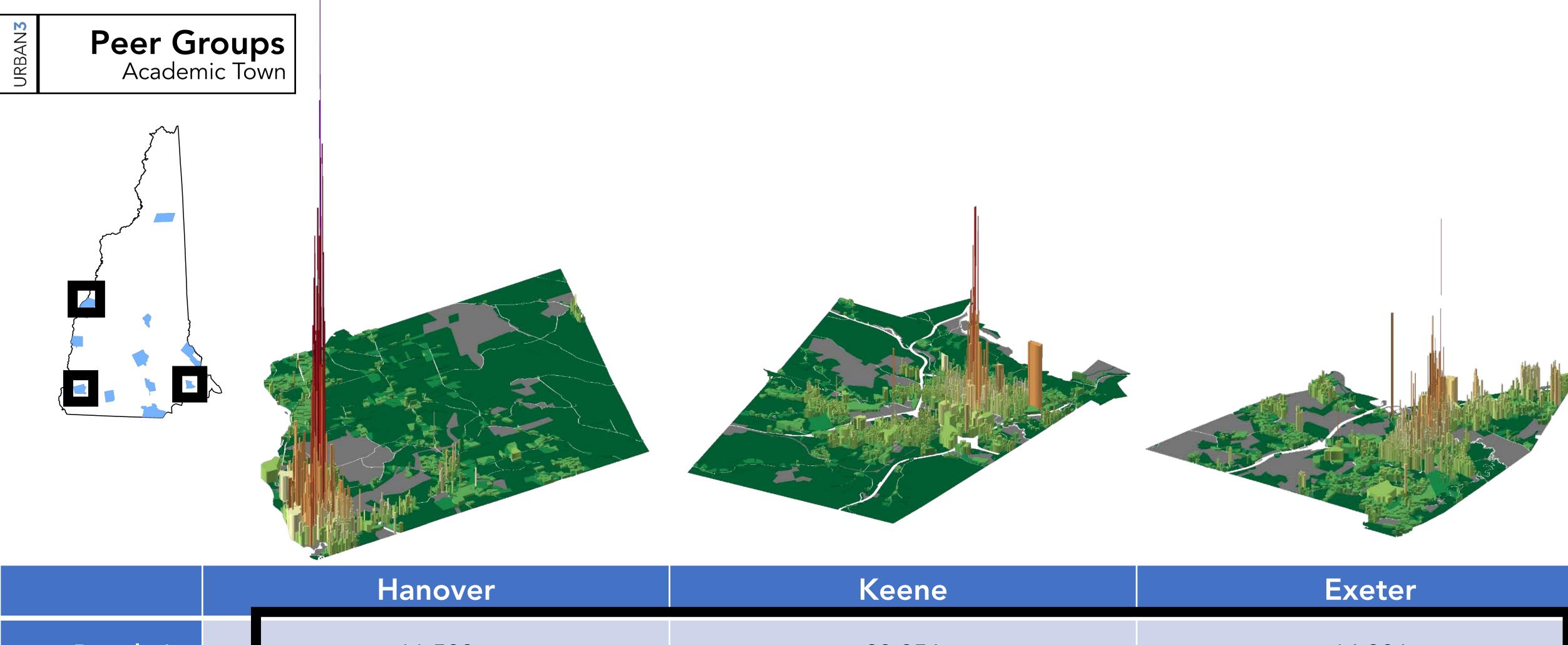




### Peer Clusters

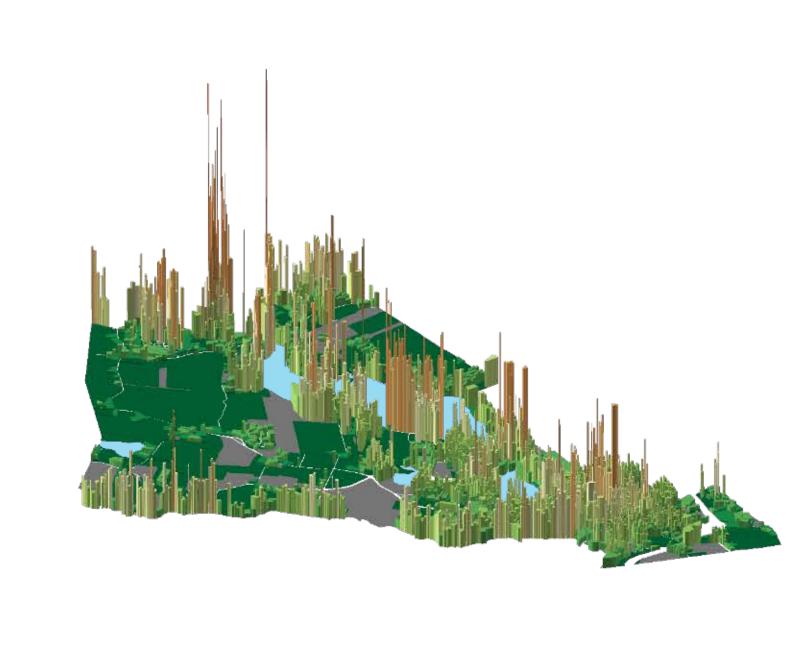
Similar characteristics of places & learning from each other.



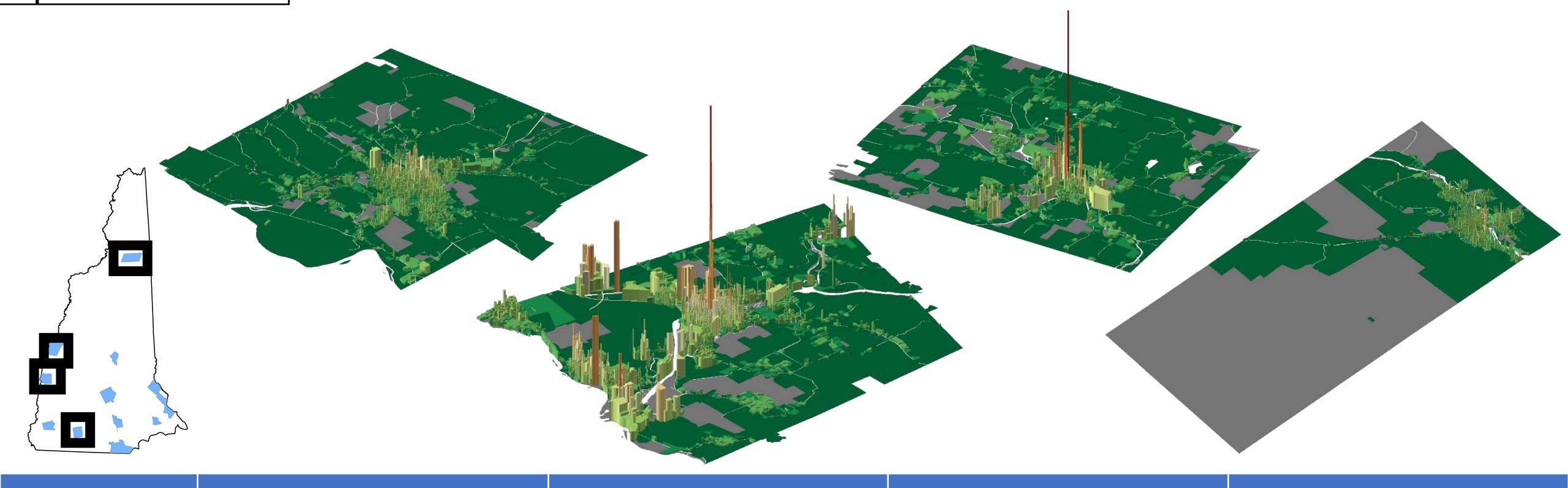


Population	11,500	23,056	14,306
Non Tax %	11%	16%	32%
Avg. VPA	\$100,083	\$103,944	\$197,142
Peak VPA	\$37,827,184	\$14,050,950	\$13,578,189

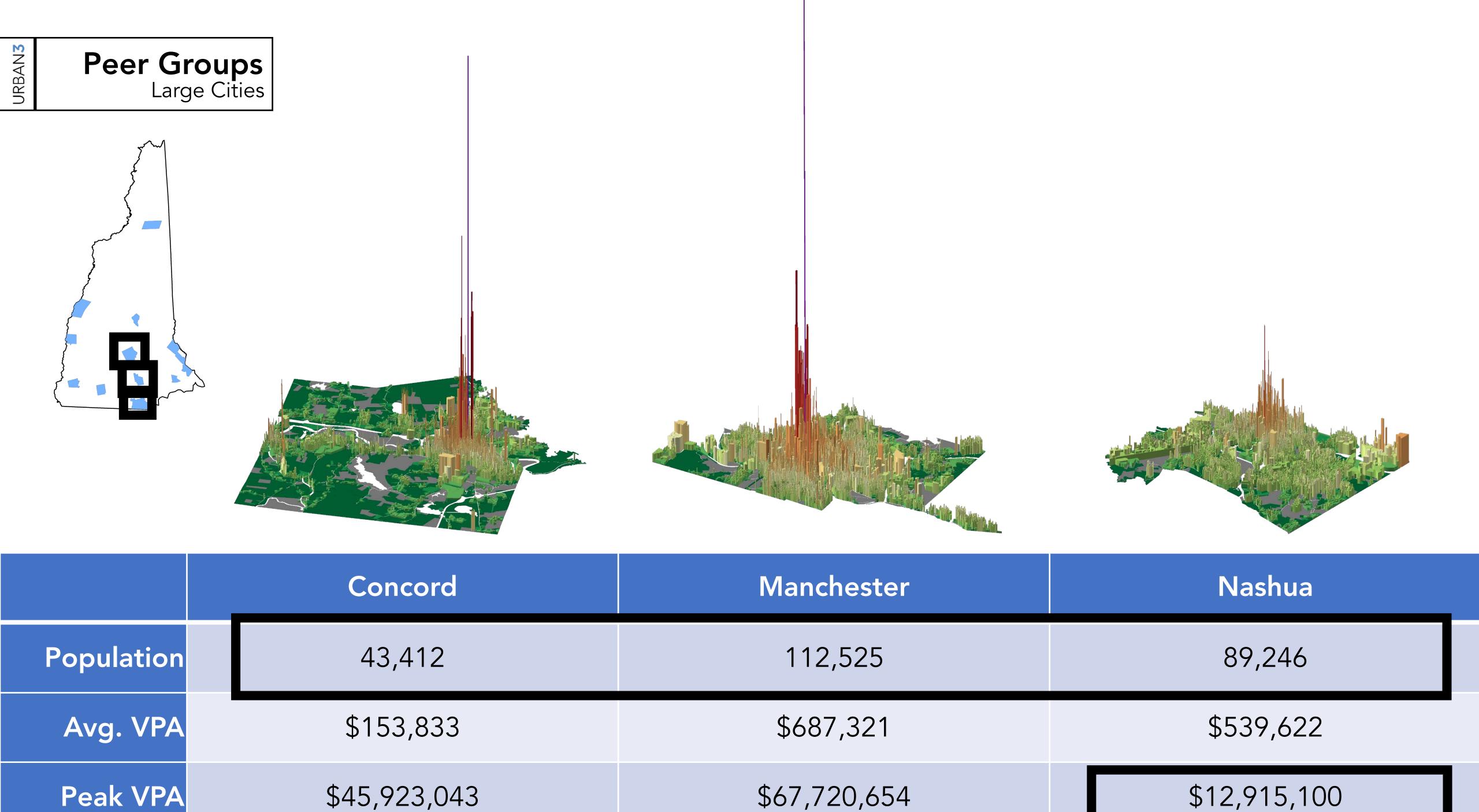




	Hudson	Pelham	Laconia
Population	24,467	14,049	16,492
Avg. VPA	\$165,357	\$121,607	\$173,092
Peak VPA	\$2,690,571	\$3,610,967	\$10,897,320



	Claremont	Lebanon	Peterborough	Berlin
Population	12,967	13,602	6,284	10,200
Avg. VPA	\$28,311	\$90,500	\$38,904	\$27,106
Peak VPA	\$2,606,428	\$14,427,351	\$12,205,874	\$2,537,768



Lesson:

## Historic Value

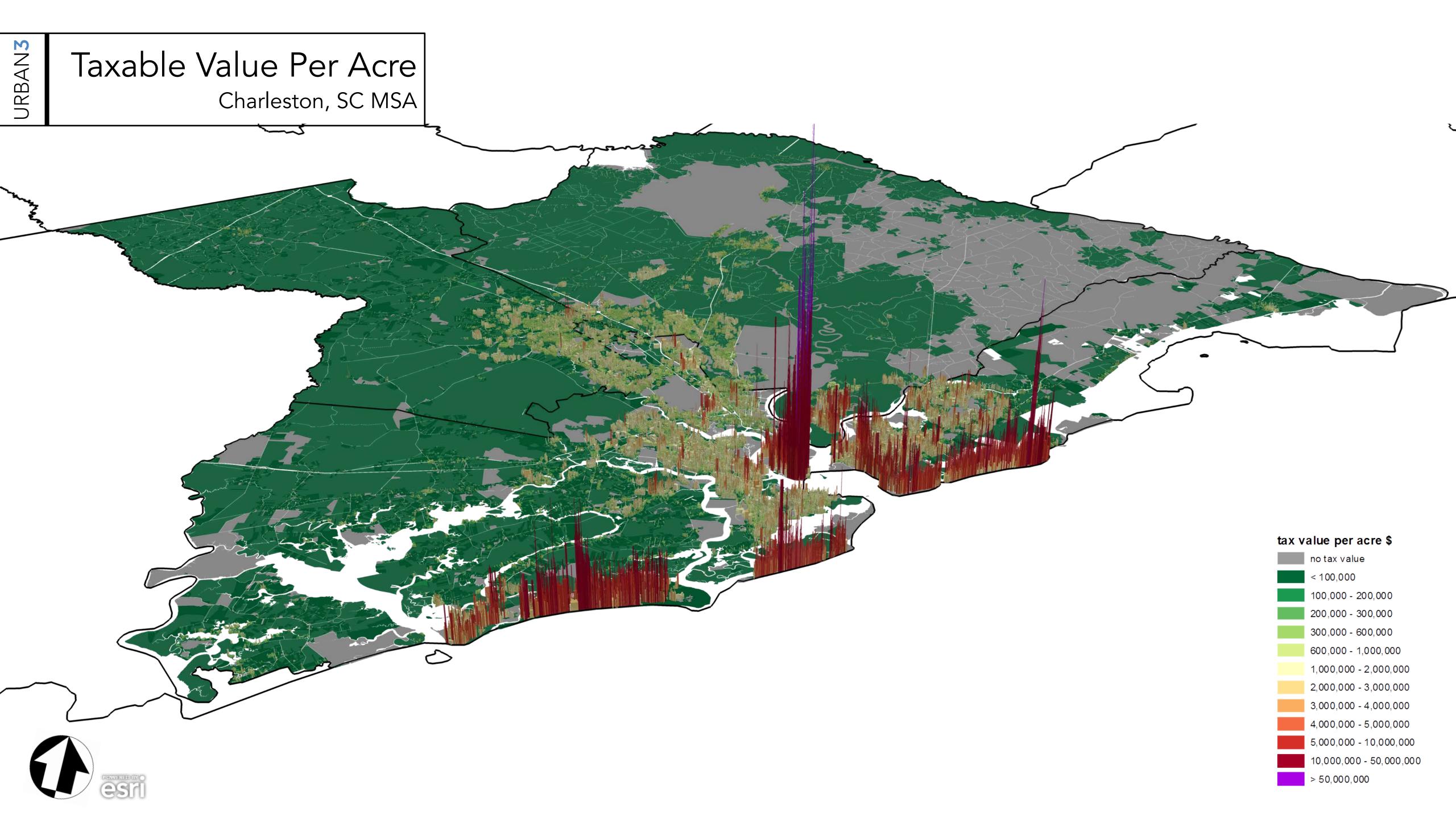


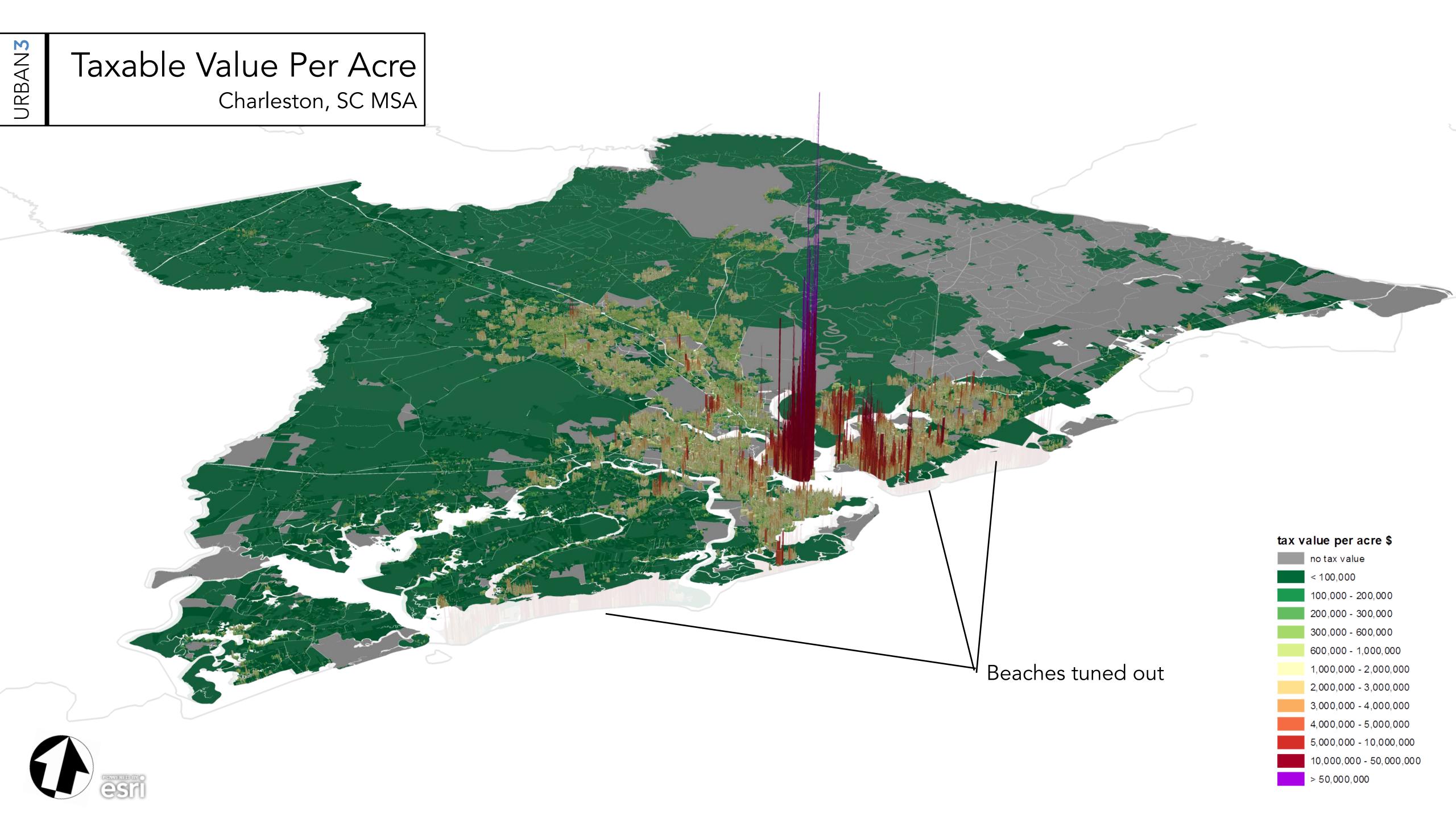


Case Study: Economic MRI®, Value Capture Analysis 2015

# Charleston,<br/>South Carolina

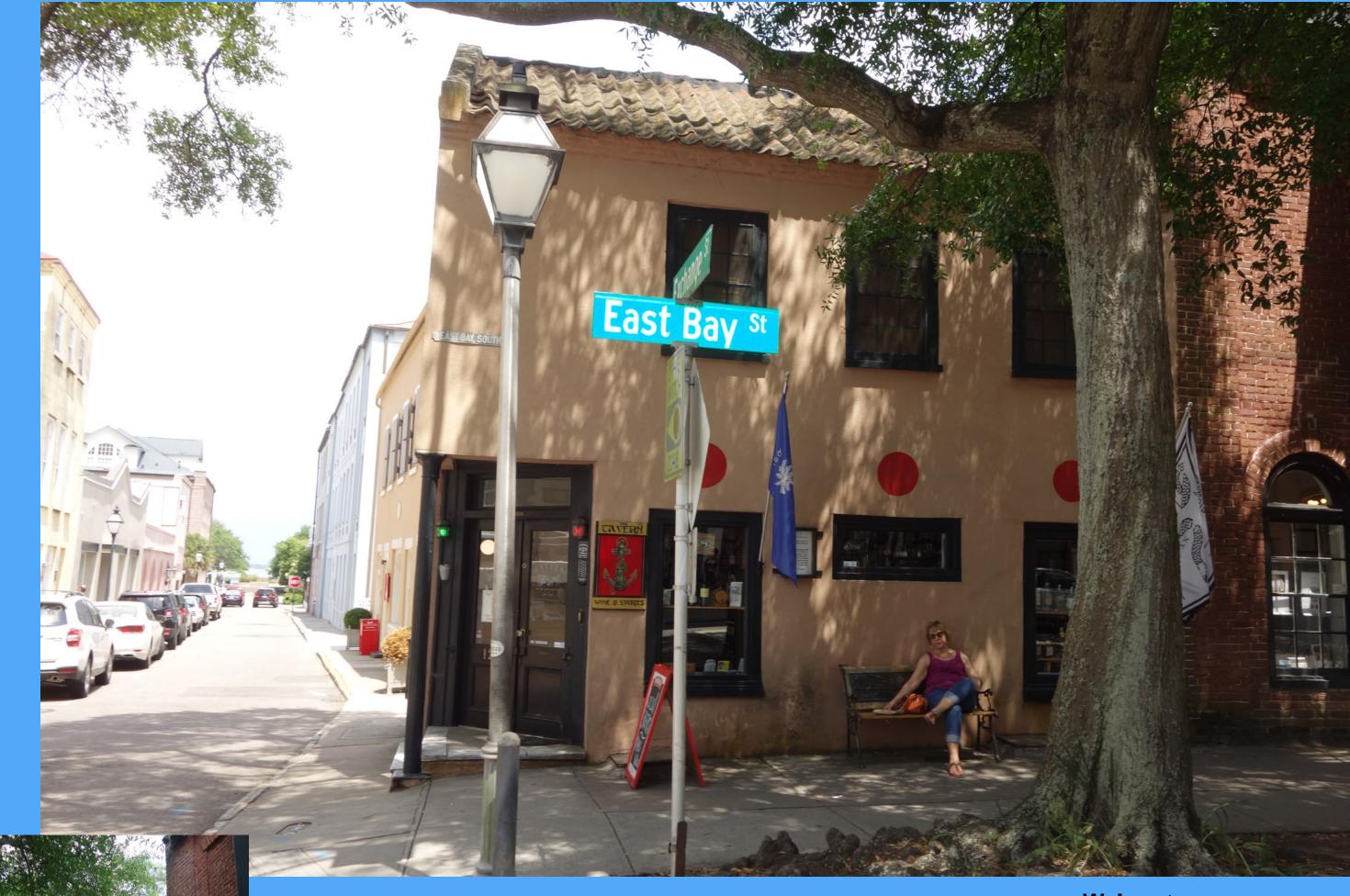






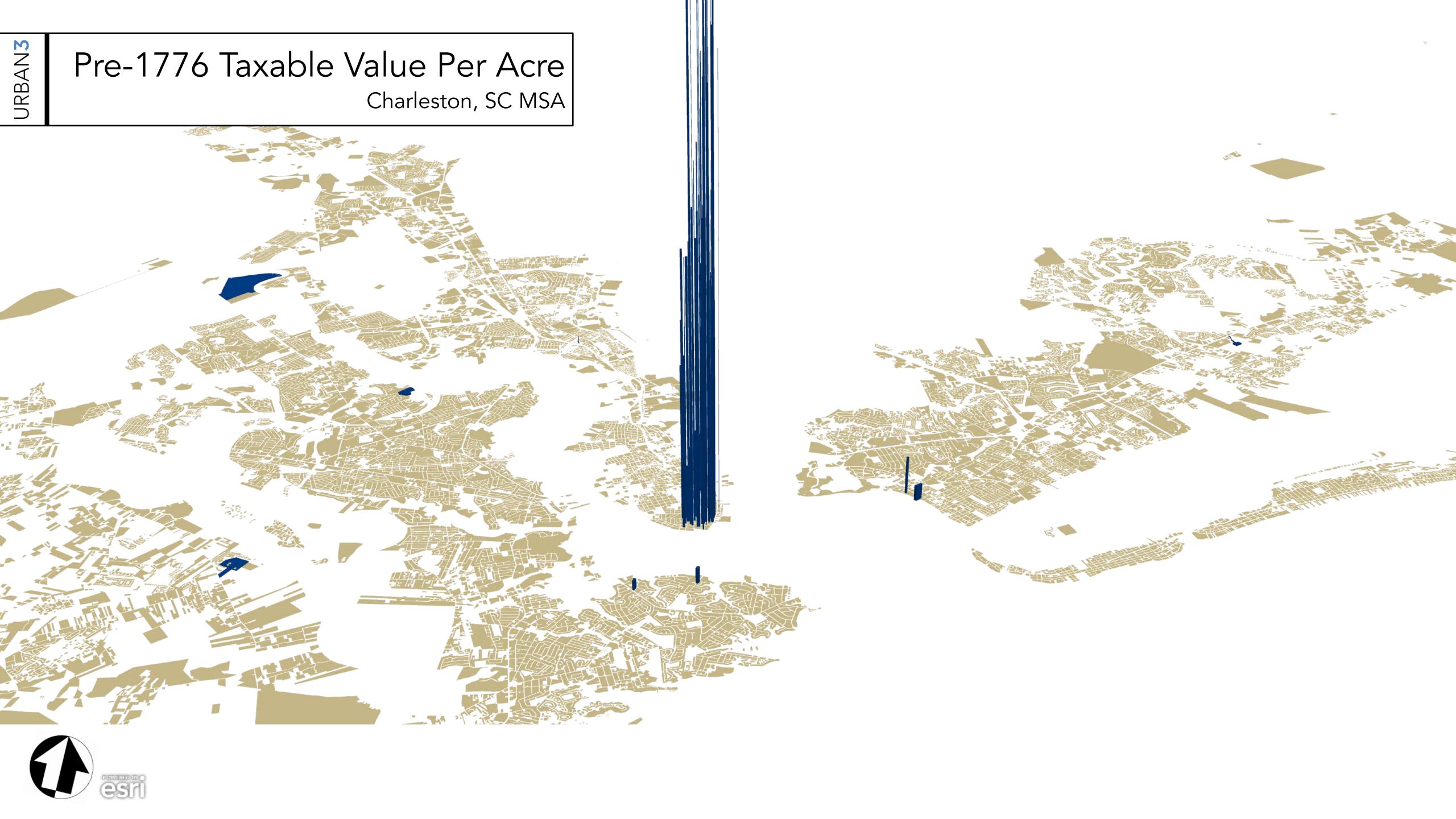


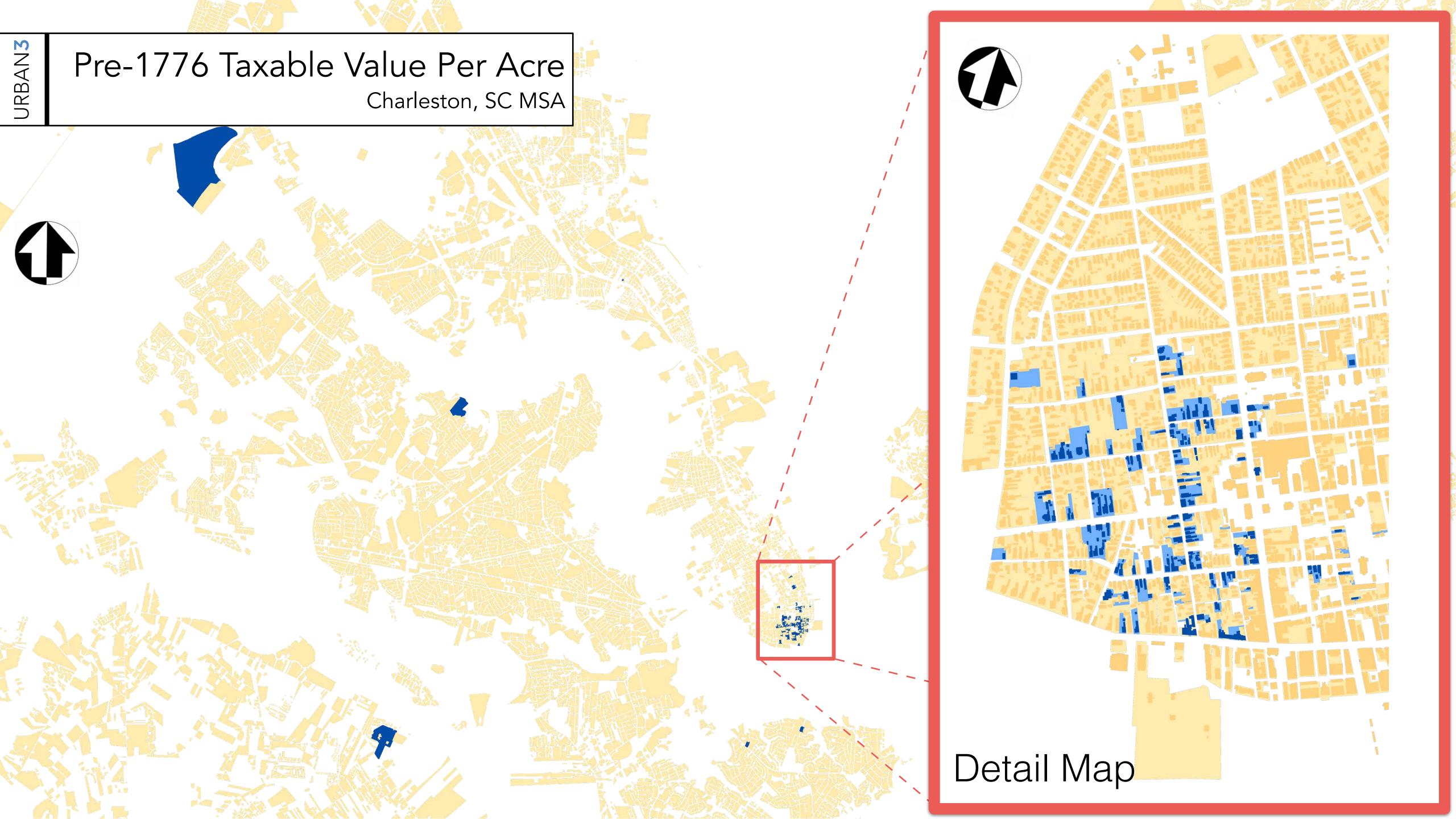




Walmart \$866,760 value per acre

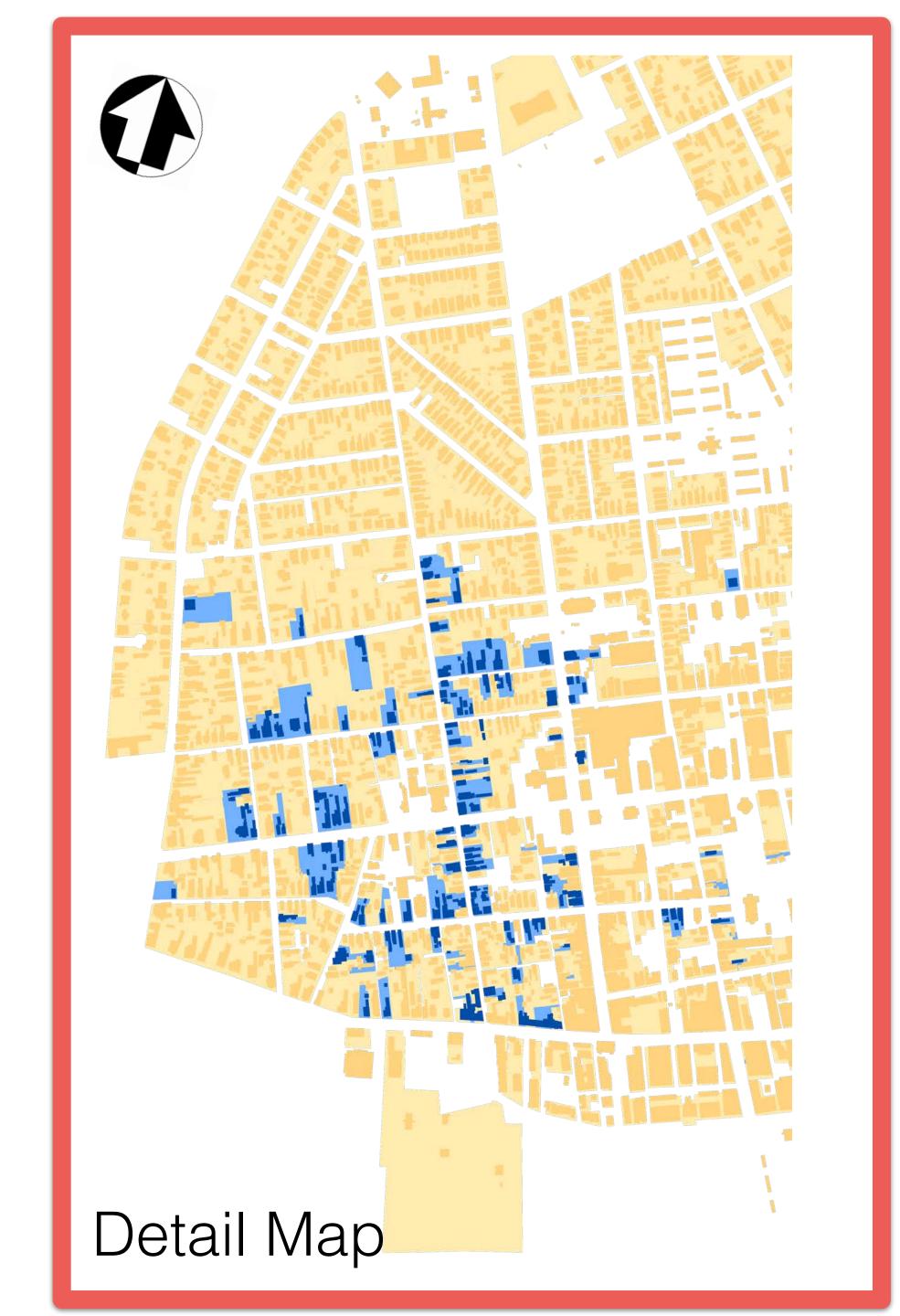
Tavern Wine and Spirits \$13,394,415 Value per Acre





### Pre-1776 Tax Productivity Charleston, SC MSA

	> 1776
Acres	20.95
Value	\$344M
Value/Acre	\$16,440,700
County Taxes 2015	\$631,000

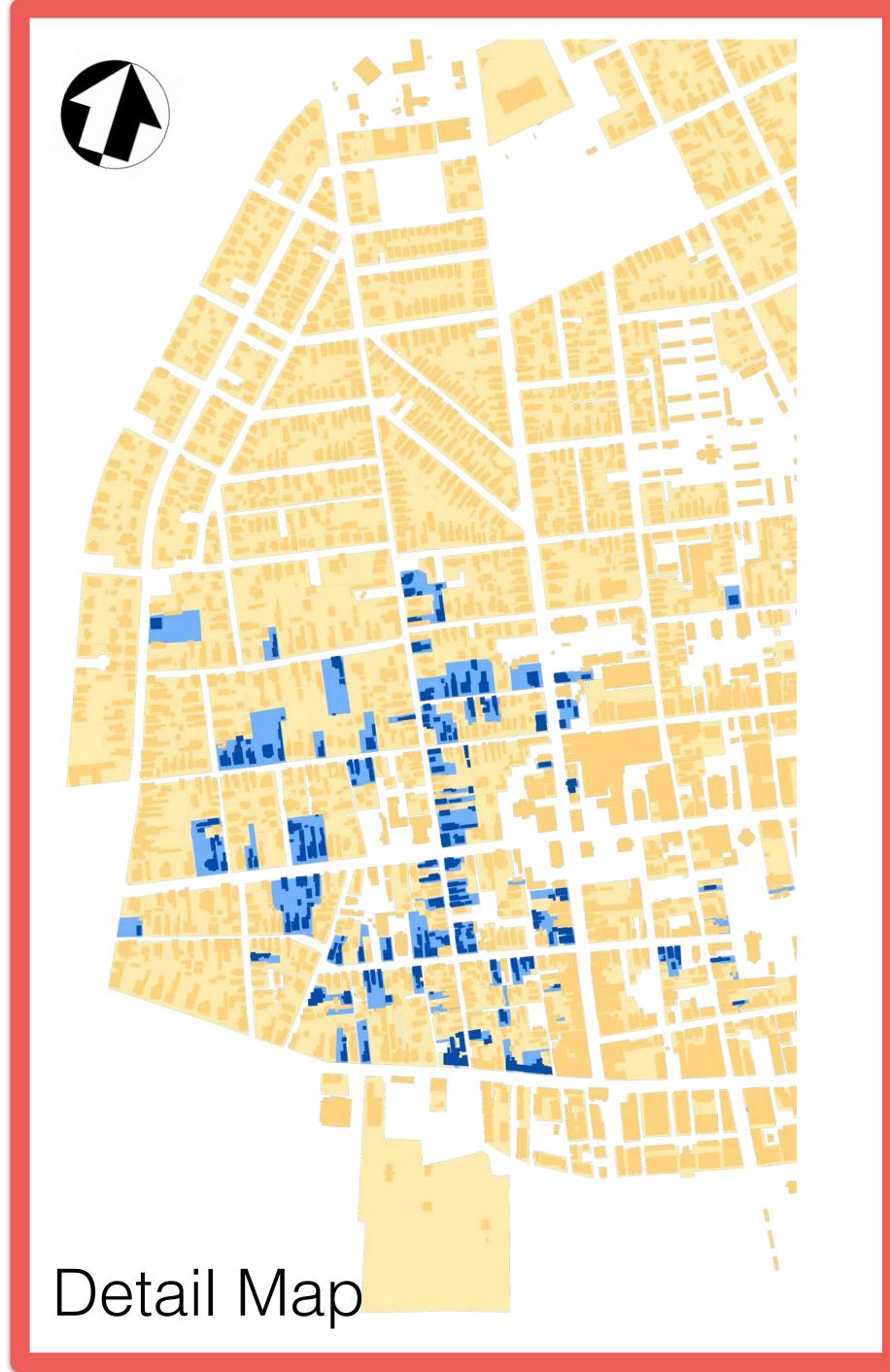


#### Pre-1776 Tax Productivity

Charleston, SC MSA



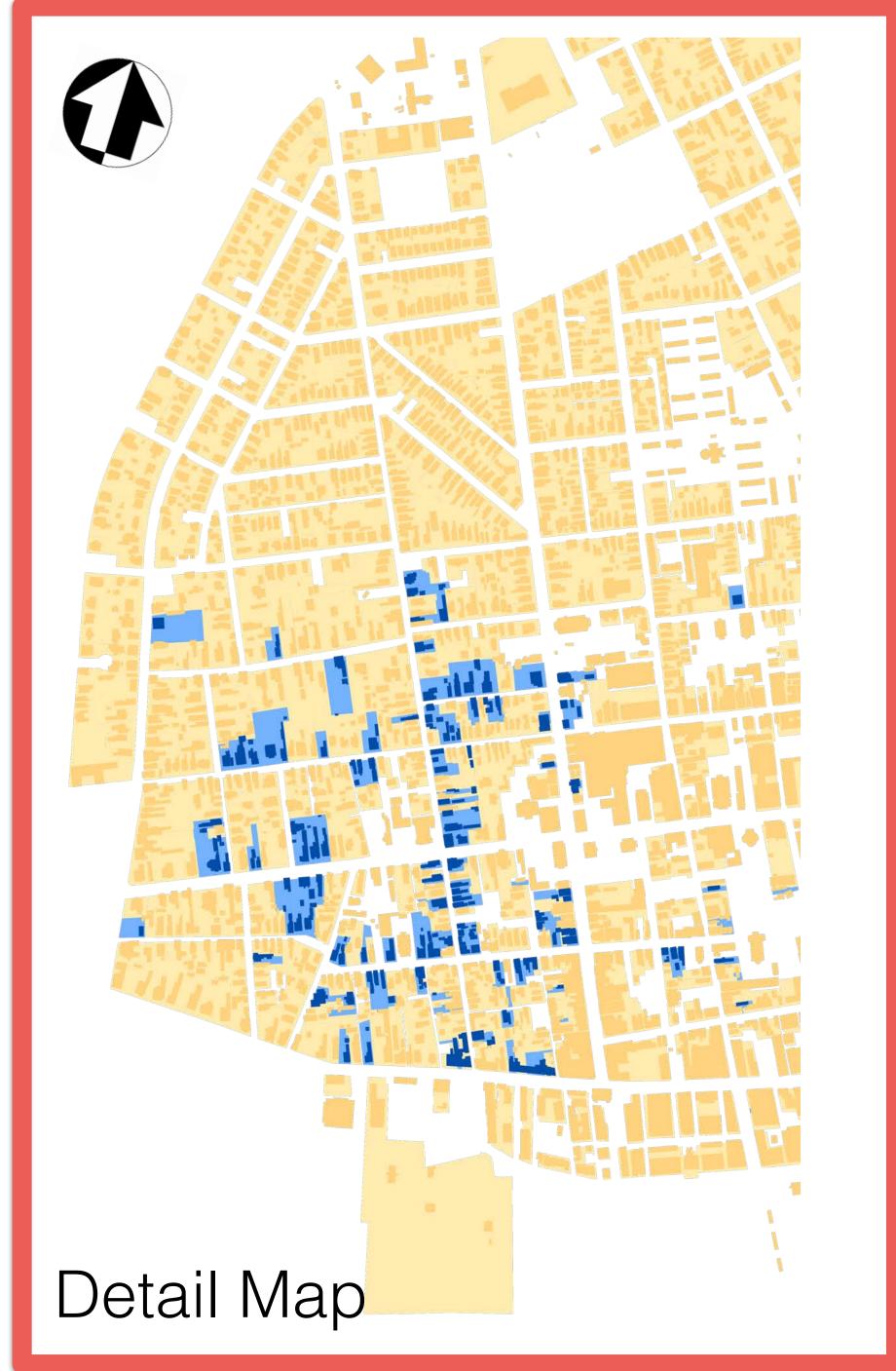
	> 1776
Acres	20.95
Value	\$344M
Value/Acre	\$16,440,700
County Taxes 2015	\$631,000



#### Pre-1776 Tax Productivity Charleston, SC MSA



	Walmart	> 1776
Acres	20.58	20.95
Value	\$18M	\$344M
Value/Acre	\$866,760	\$16,440,700
County Taxes 2015	\$47,000	\$631,000

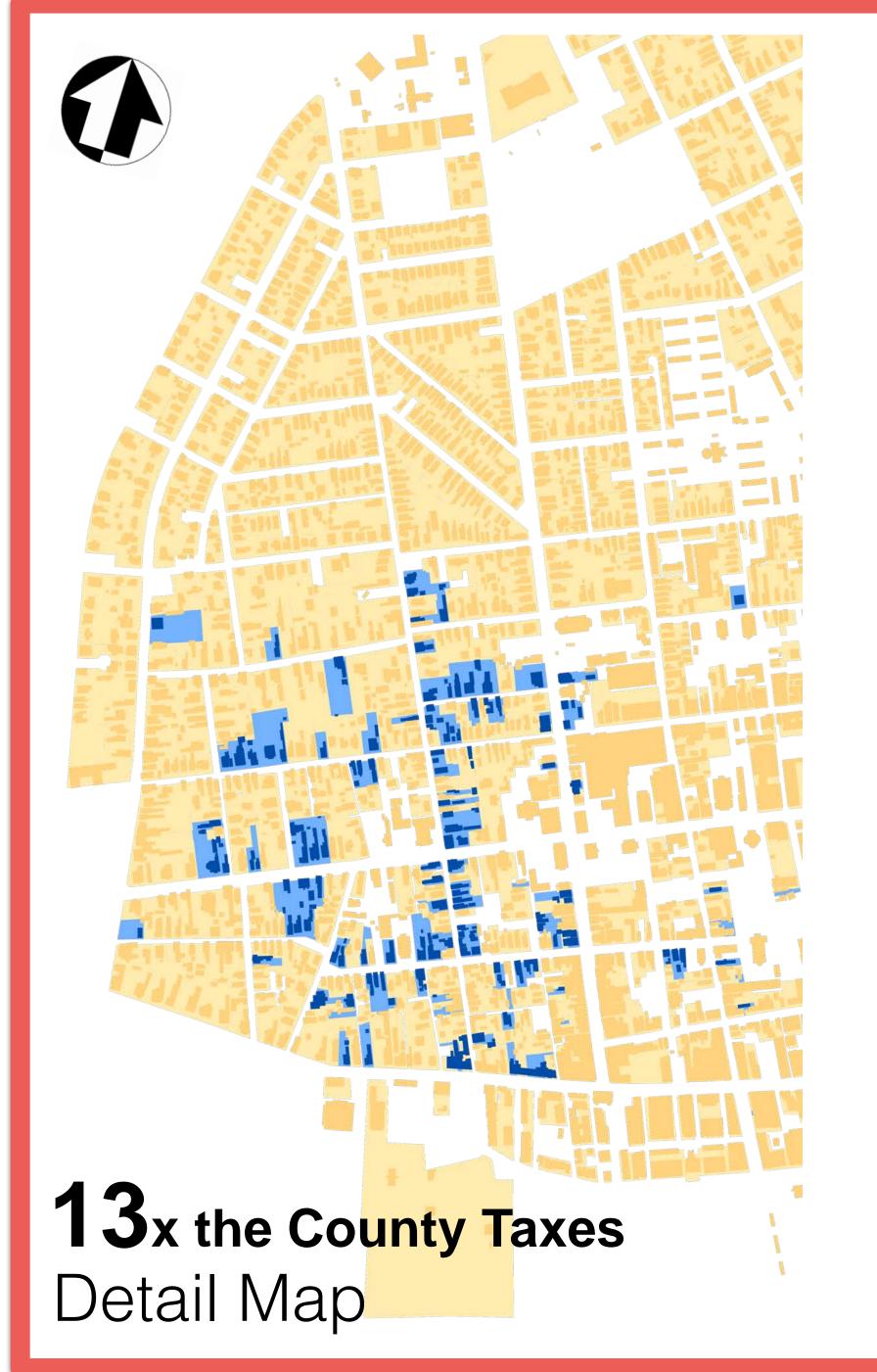


#### Pre-1776 Tax Productivity

Charleston, SC MSA



	Walmart	> 1776
Acres	20.58	20.95
Value	\$18M	\$344M
Value/Acre	\$866,760	\$16,440,700
County Taxes 2015	\$47,000	\$631,000



#### Value Per Acre

Traditional Commercial



Keene Peak VPA VPA: \$14 M



Lebanon Mixed-use VPA: \$6.2 M



Laconia Mixed-use VPA: \$3.7 M



Hanover Mixed-use VPA: \$12 M



Concord Mixed-use VPA: \$7.6 M



Nashua Mixed-use VPA: \$10 M



Exeter
Peak VPA
VPA: \$13.5 M



Dover Mixed-use VPA: \$9.6 M



Berlin Peak VPA VPA: \$2.5 M



Peterborough Peak VPA VPA: \$12.2 M



Rochester Mixed-use VPA: \$3.9 M



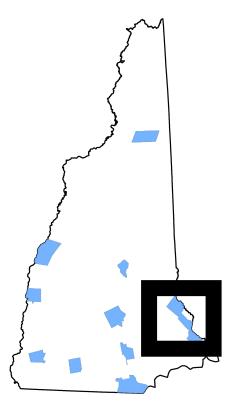
Portsmouth Mixed-use VPA: \$29.3 M

Sample average: \$8,300,000 value/acre

Lesson:

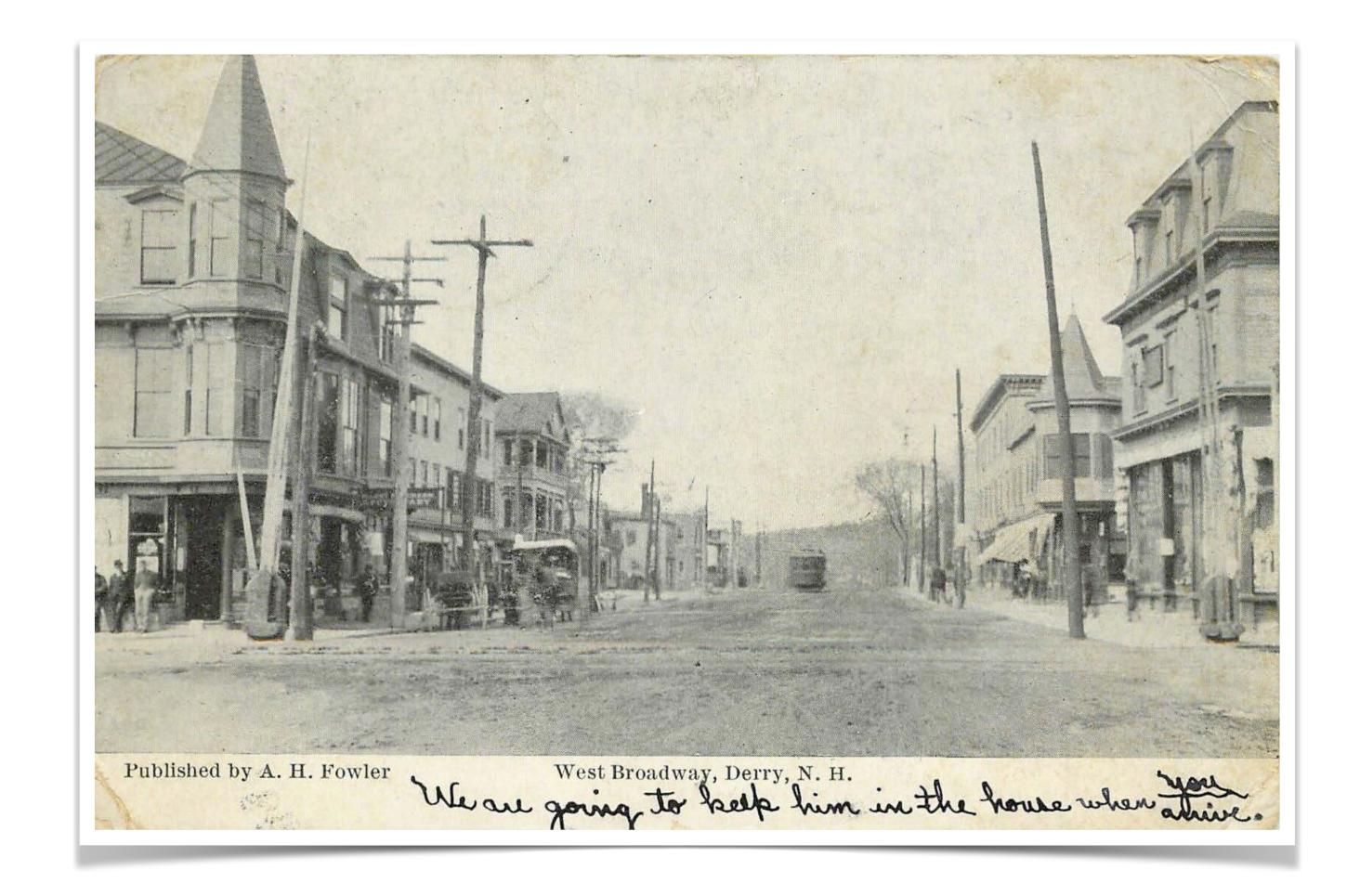
# The Value of Urban Design

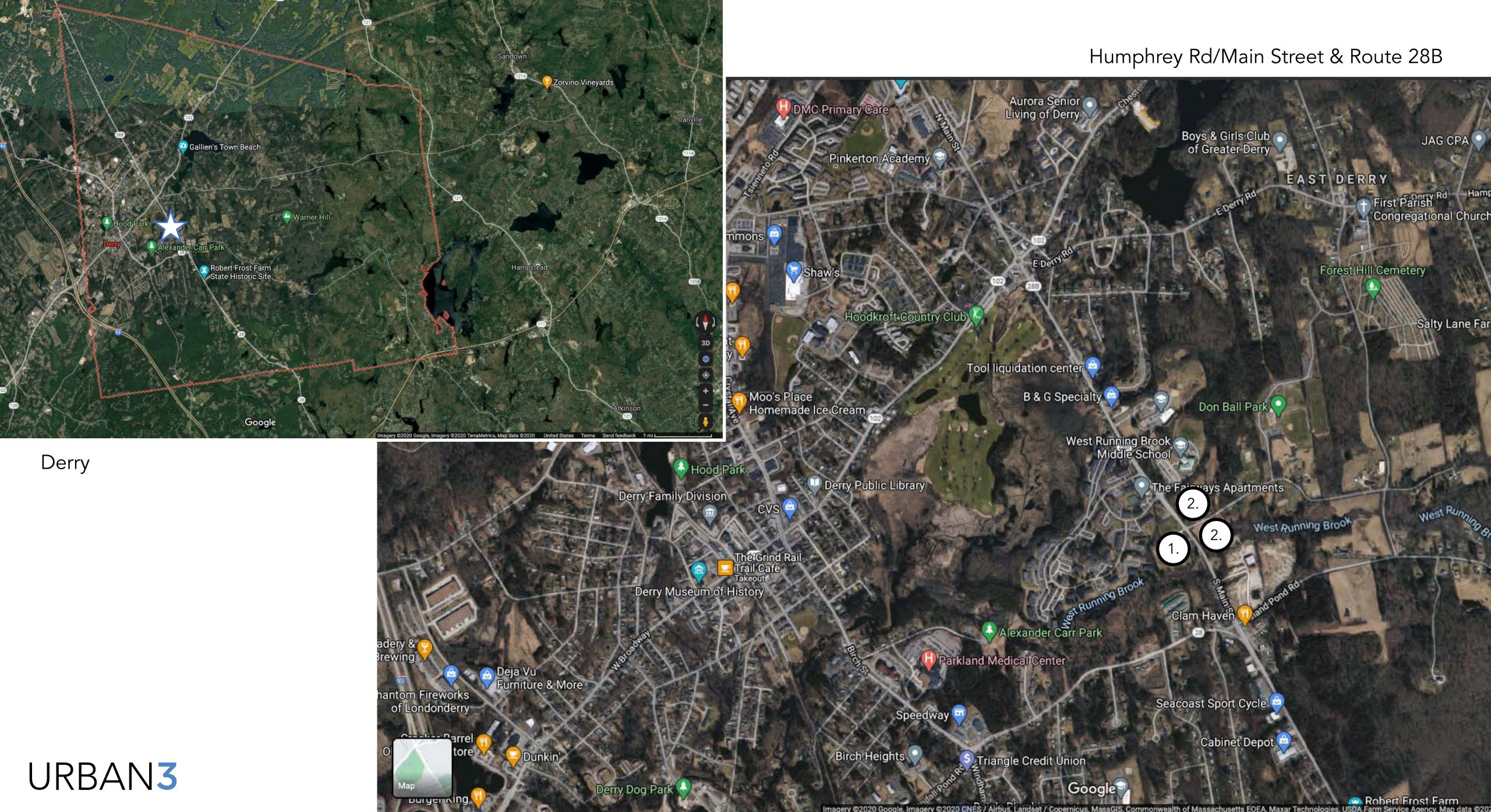


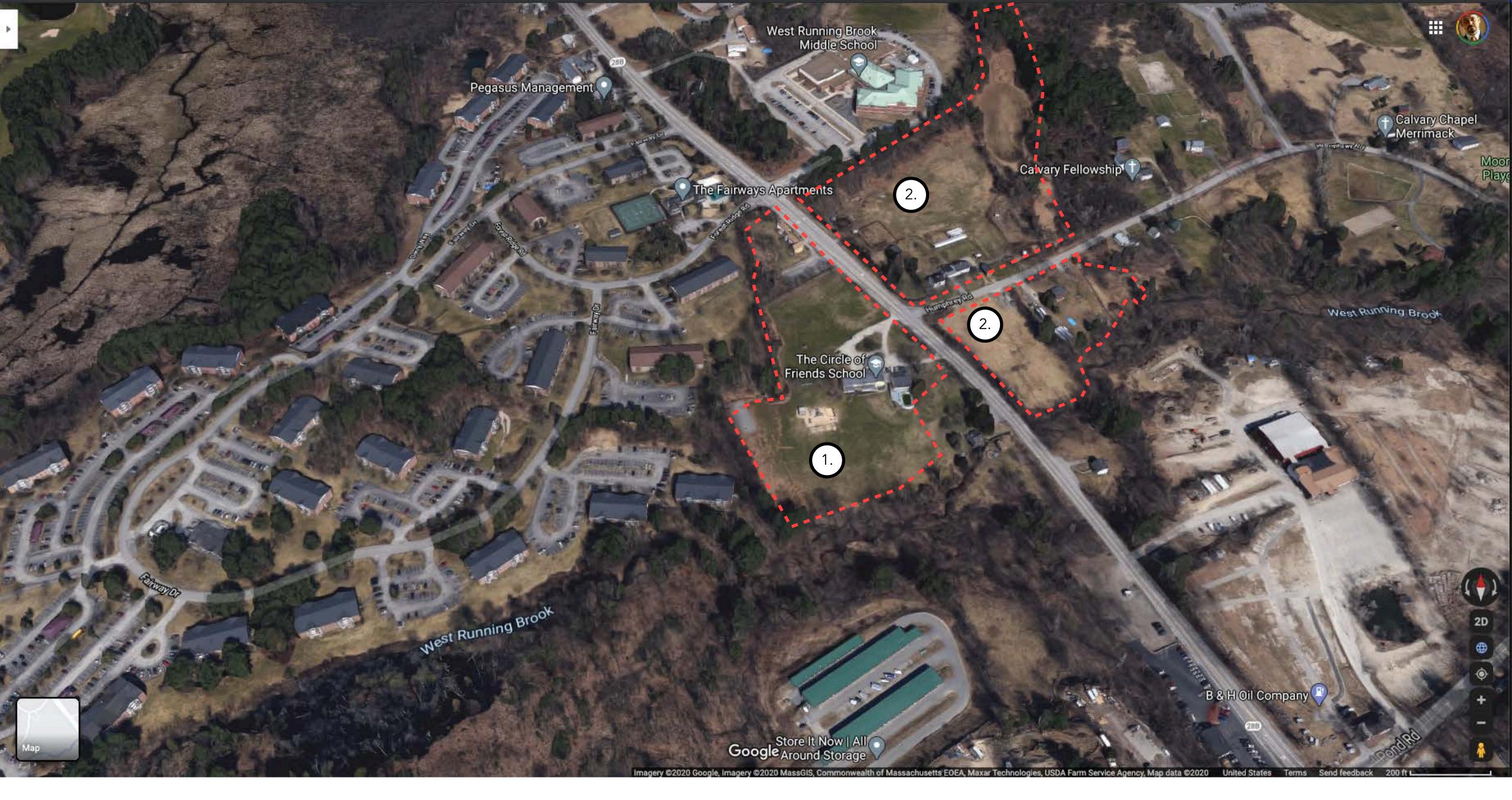


Case Study: Economic MRI® 2020

# Derry



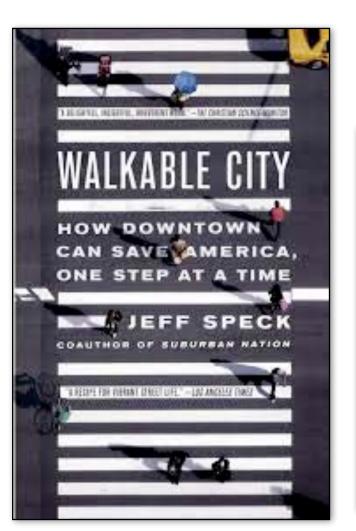


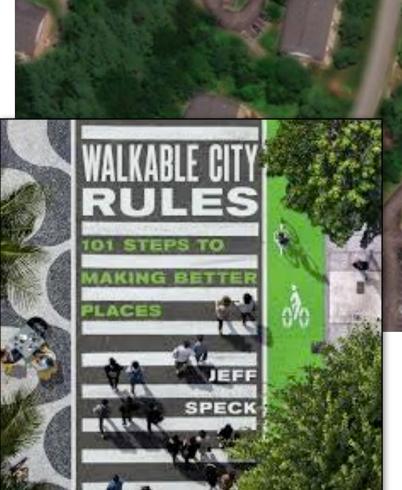










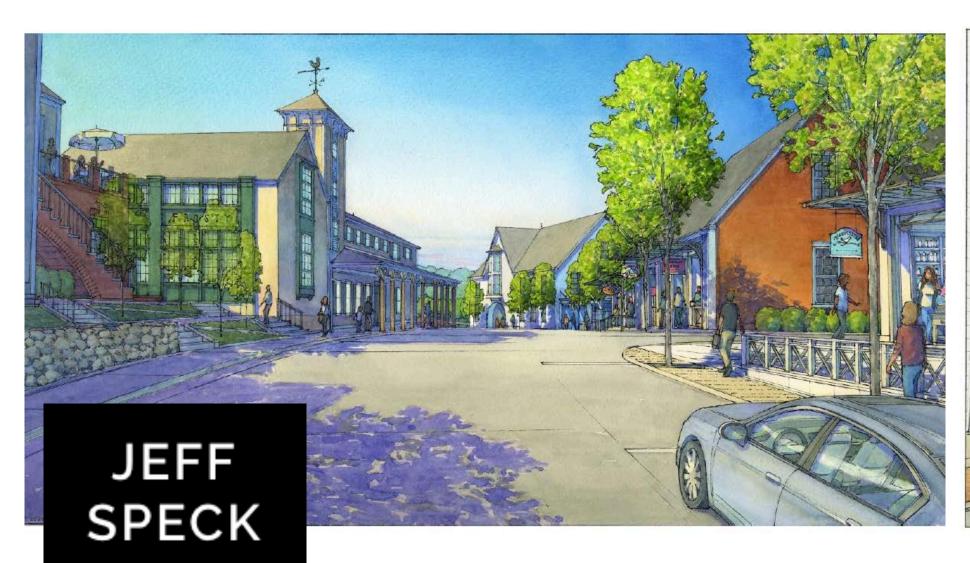


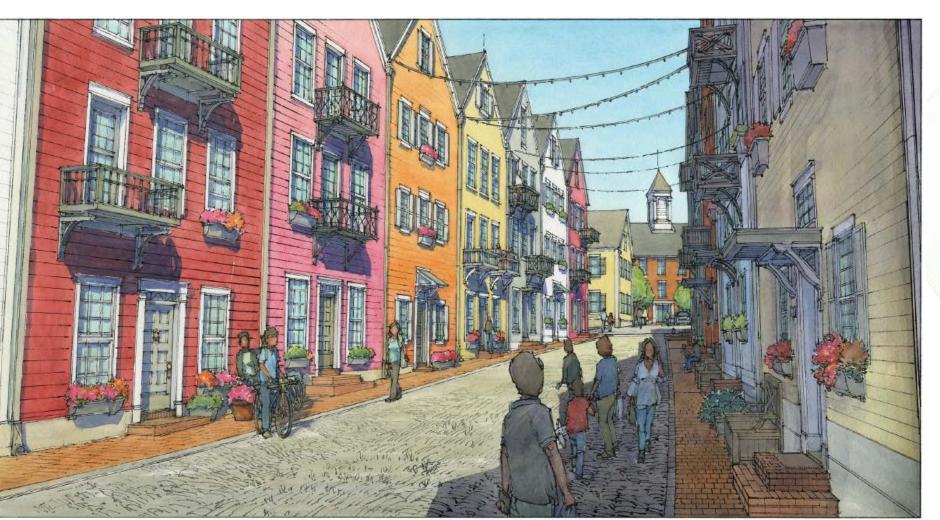


Source: Esri, Digital Clobe, Geo Eye, Earthstar G

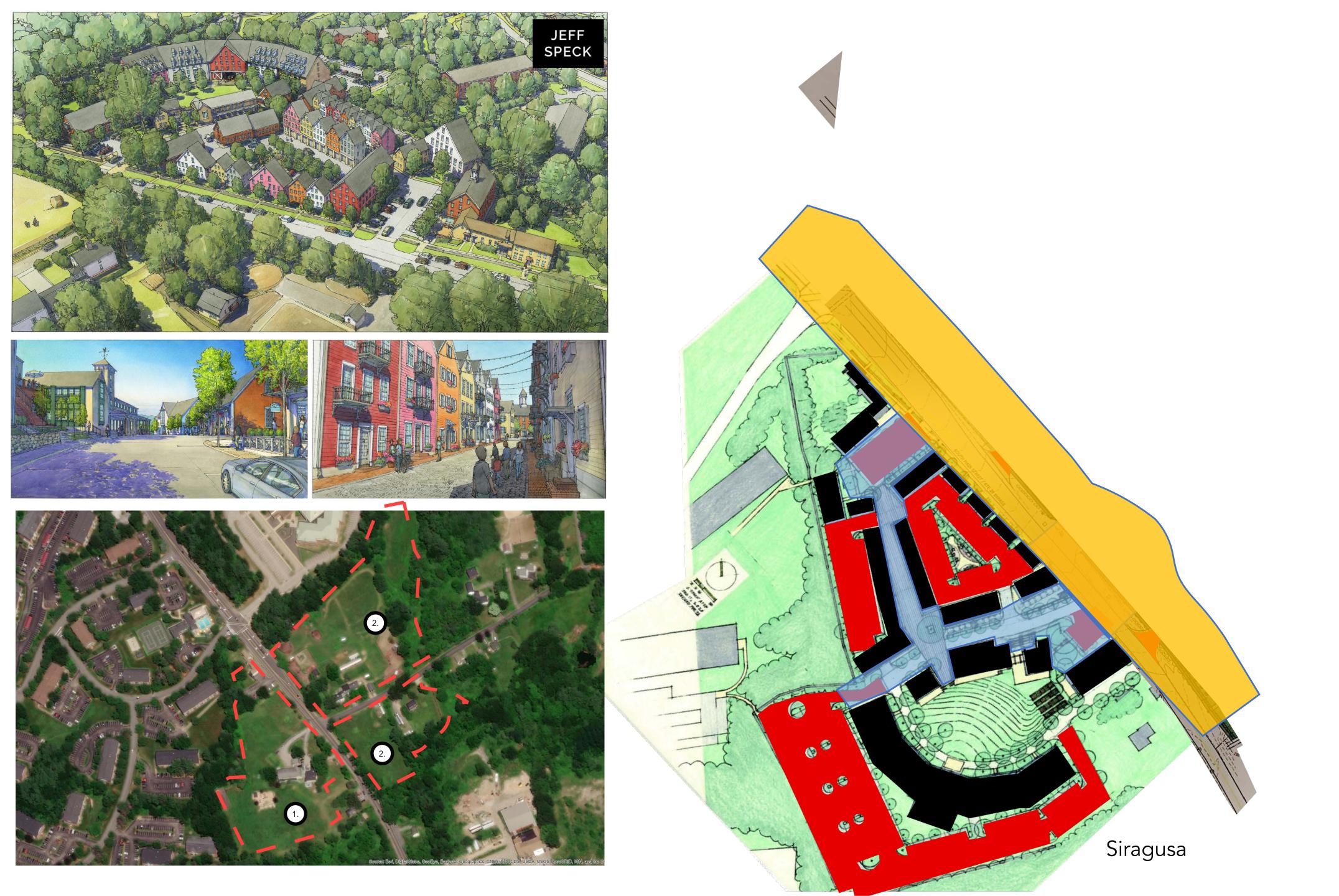




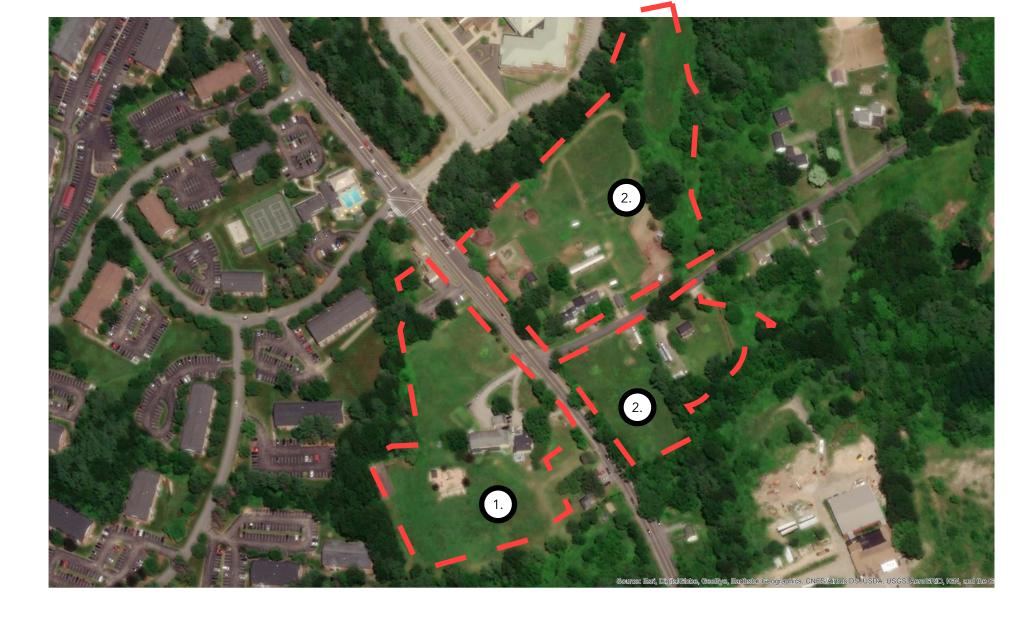


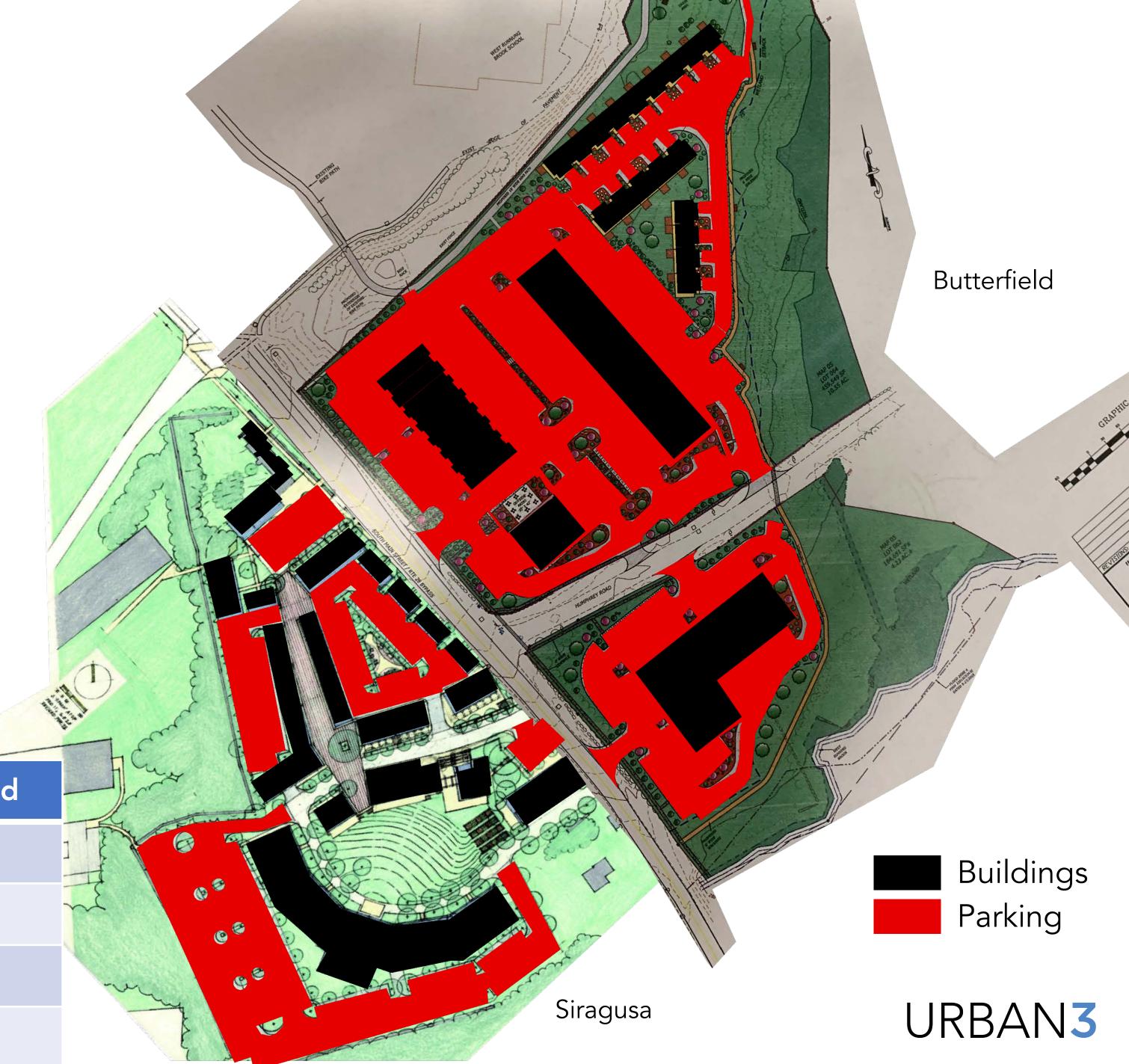




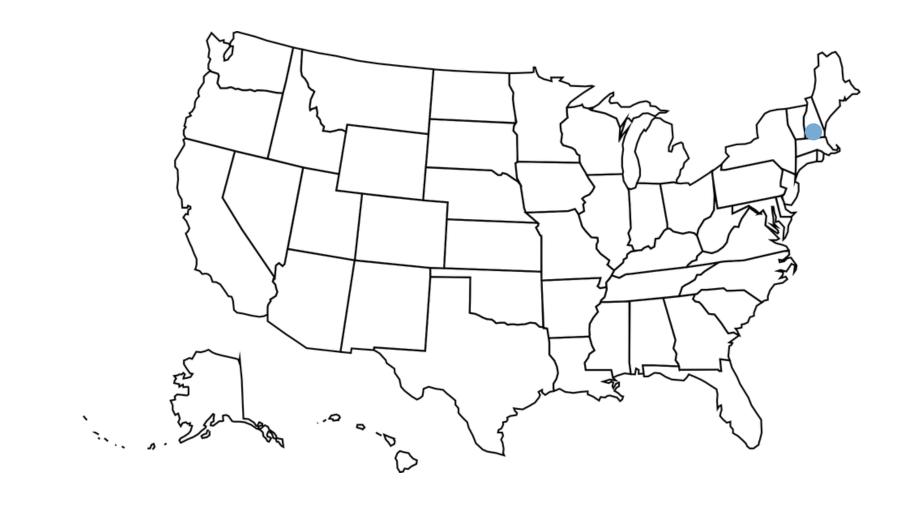








	Siragusa	Butterfield
Building Footprint (Acres)	1.92	2.13
Parking Acres	2.65	5.95
Building:Parking Ratio	1:1.4	1:2.8



Case Study: Economic MRI® 2018

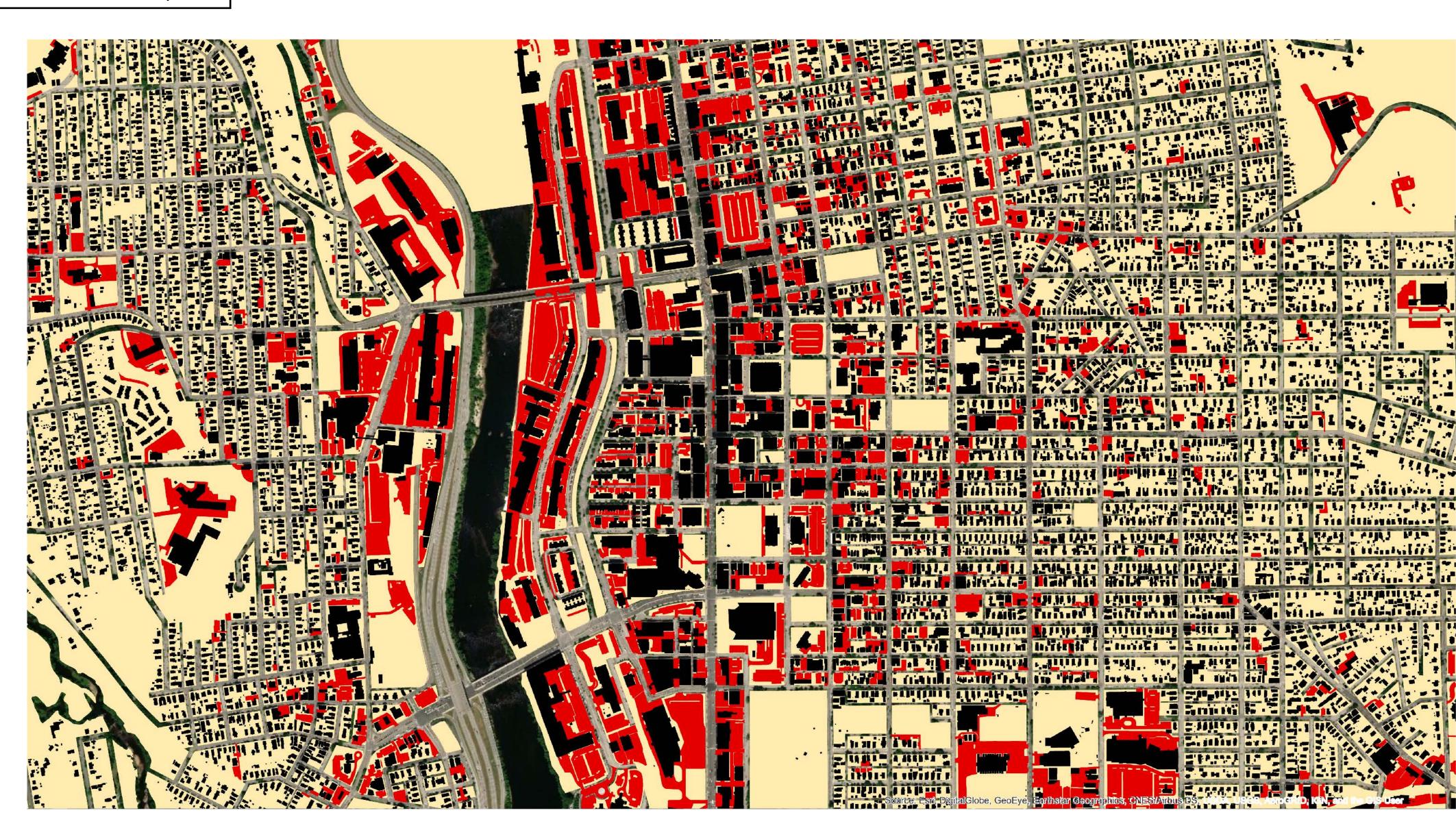
### Manchester, New Hampshire



#### Land Use Analysis Manchester, NH

# City of Mancheste





#### Land Use Analysis Manchester, NH

of Mancheste

Parking

Buildings

Other

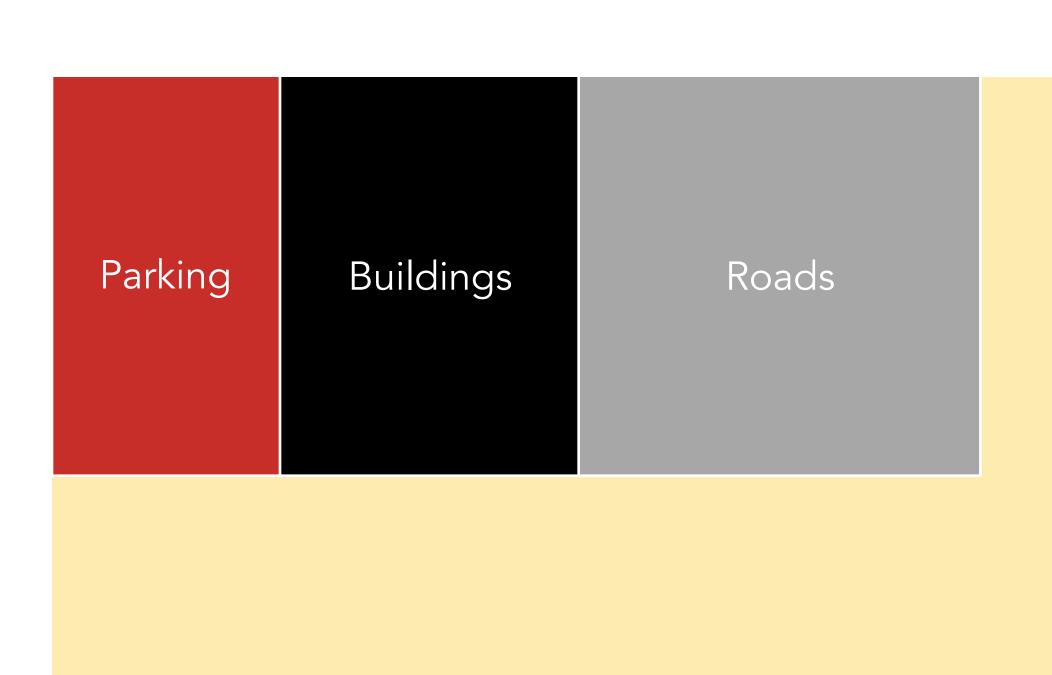
Roads



URBAN3

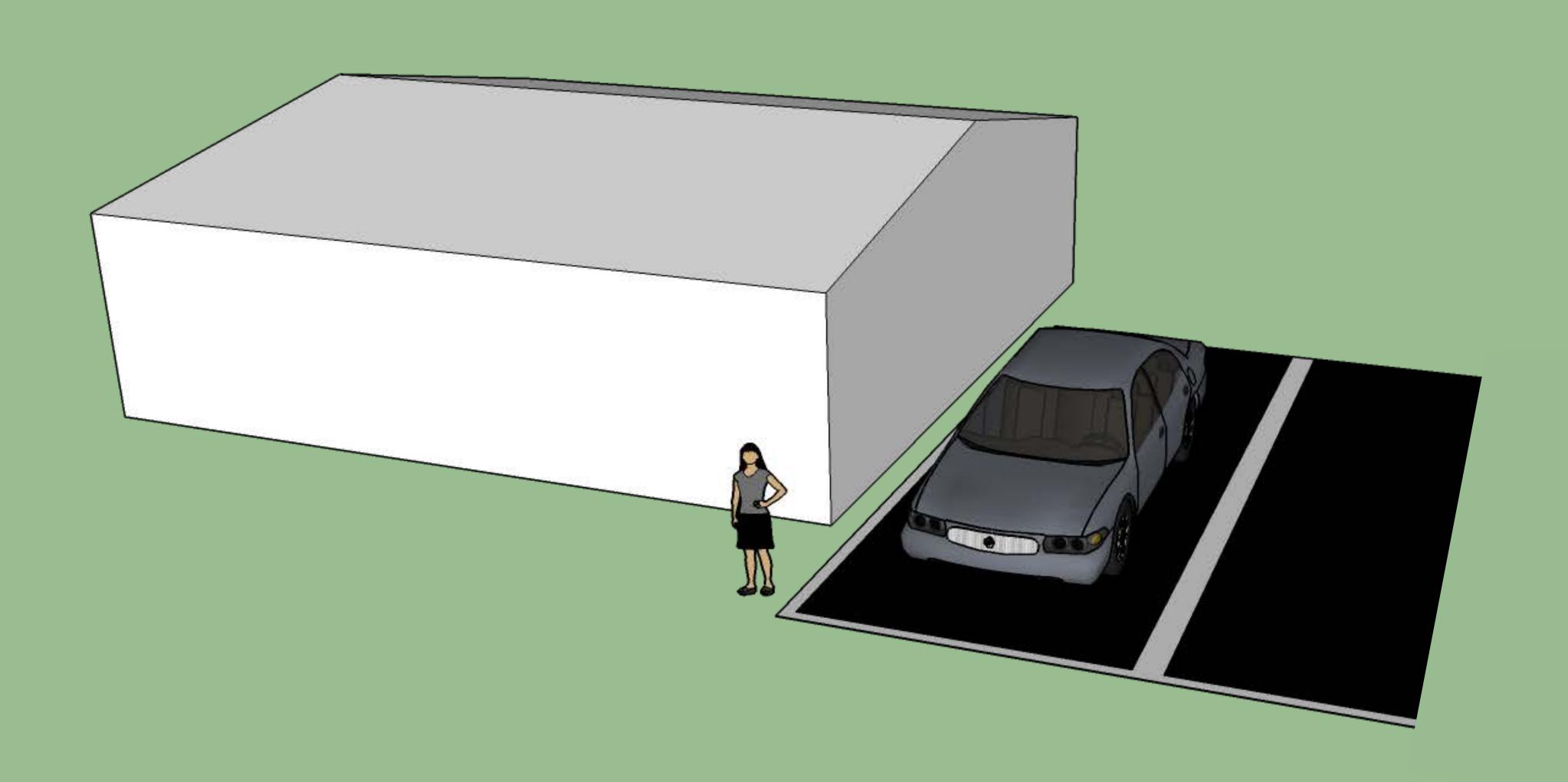
#### Land Use Analysis Manchester, NH

City of Manchester

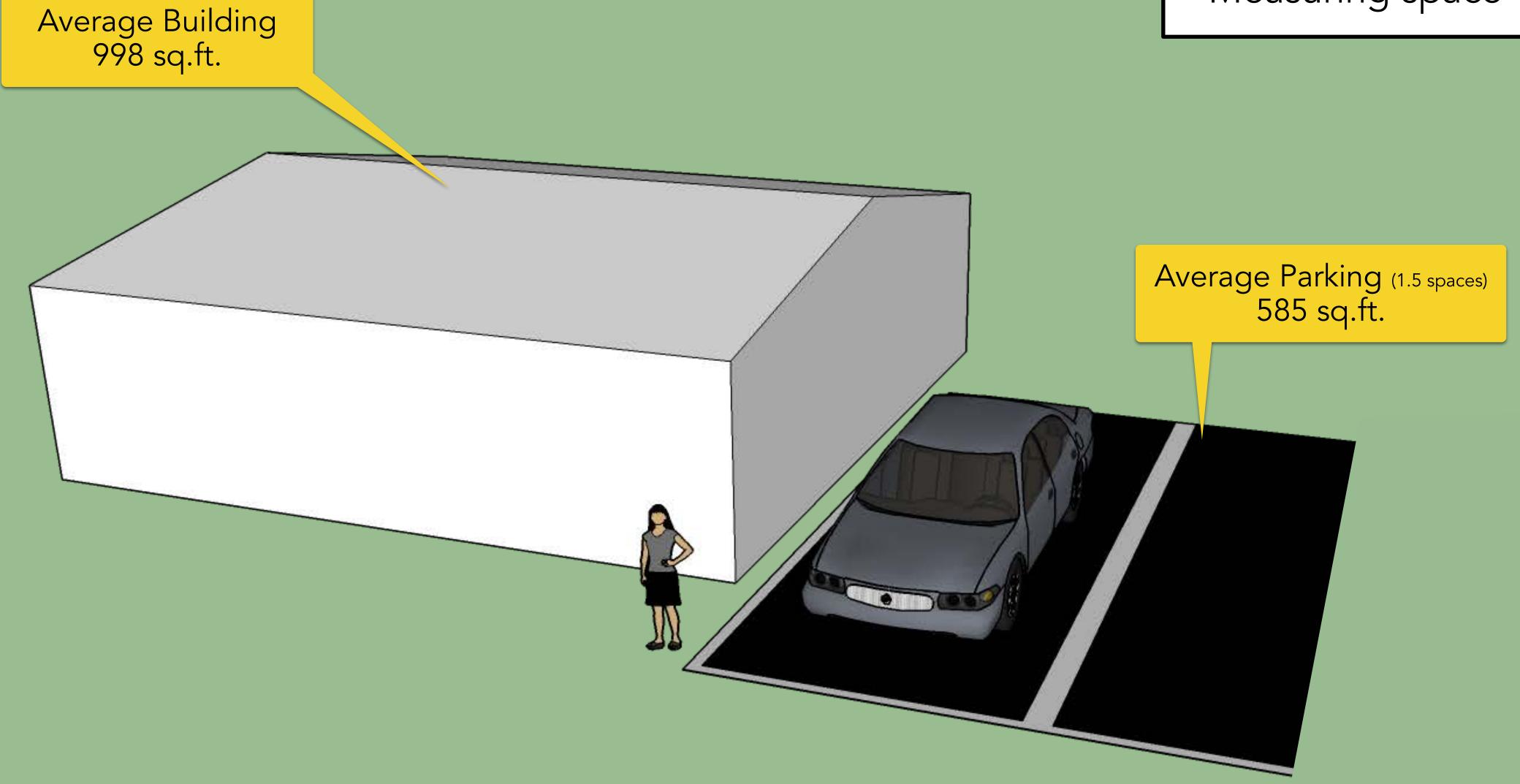


Other land

### What is Parking? Measuring space

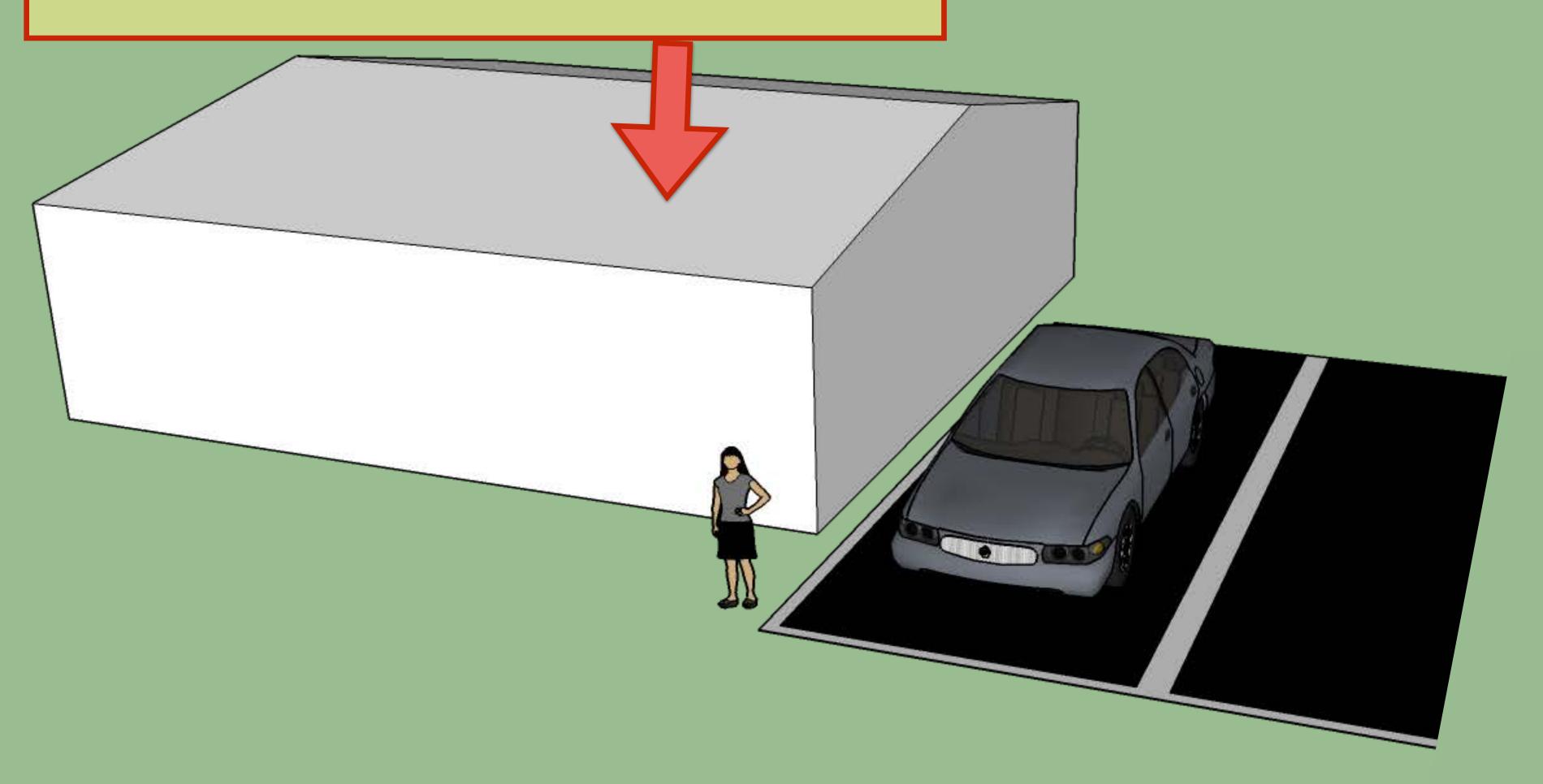


### What is Parking? Measuring space



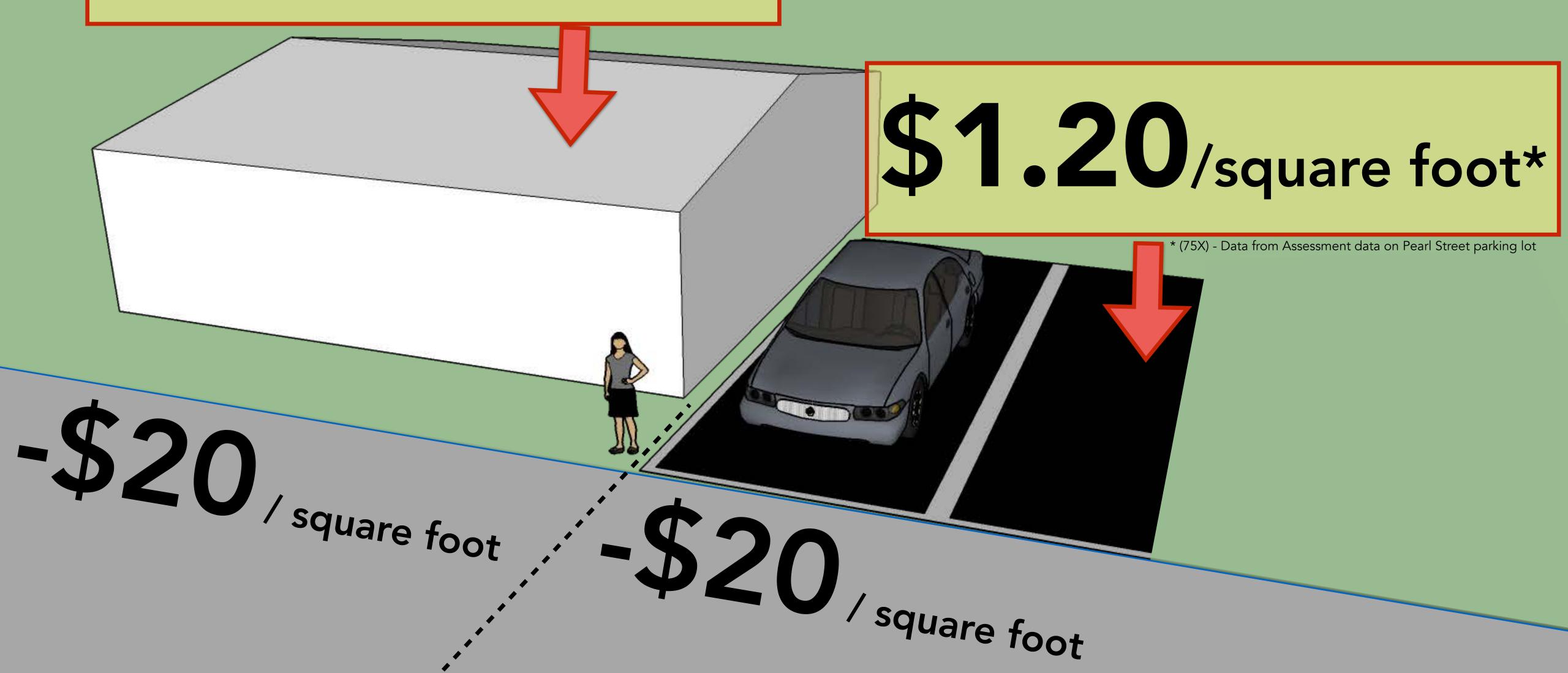
\$90/square foot

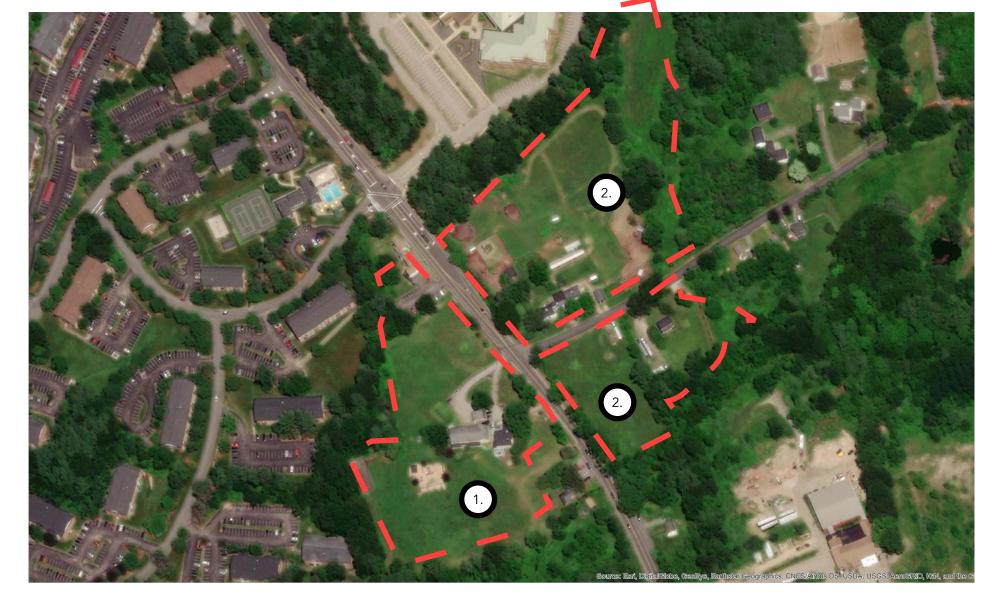
### What is Parking? Measuring Manchester space

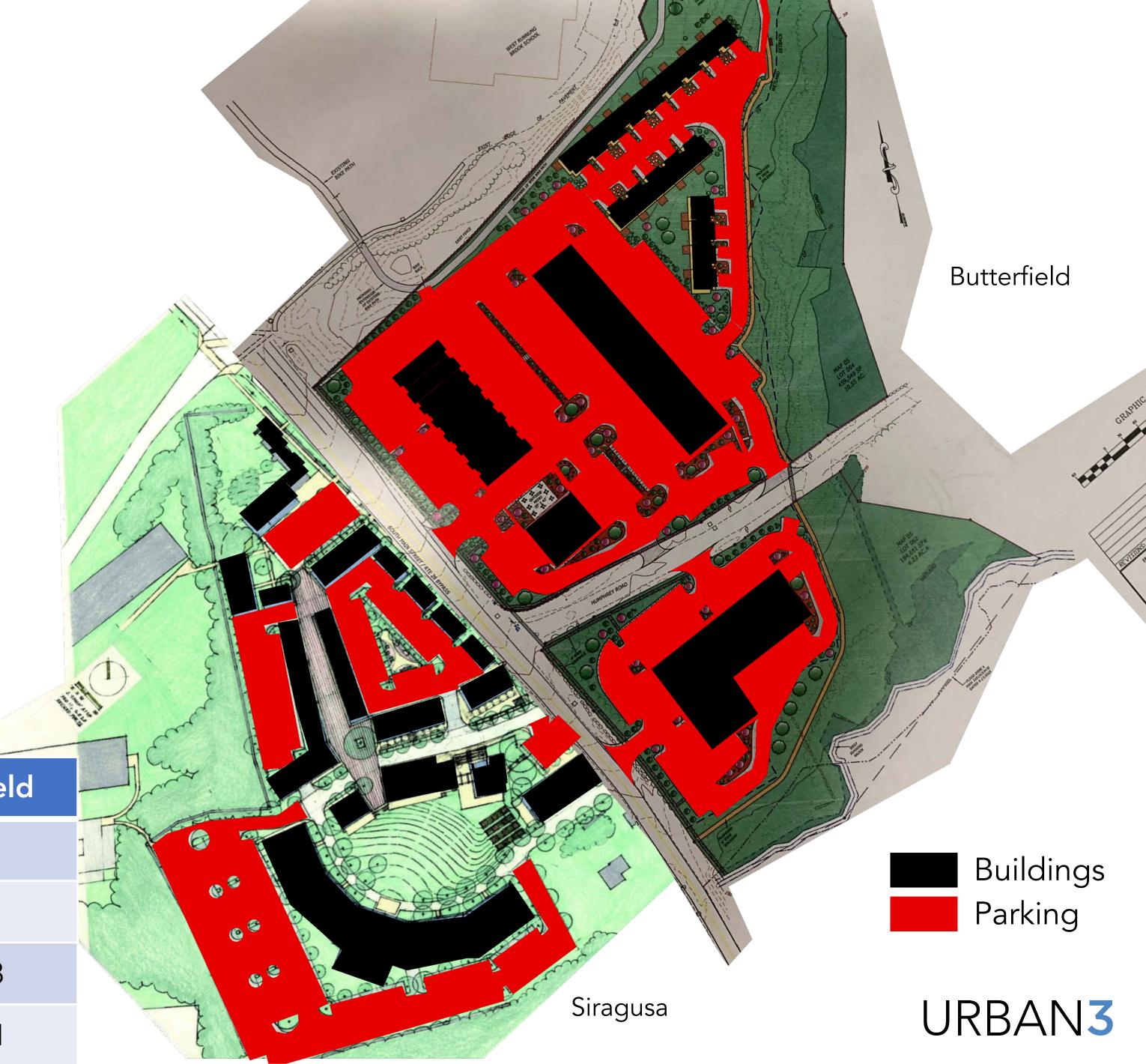


\$90/square foot

What is Parking?
Measuring Manchester space







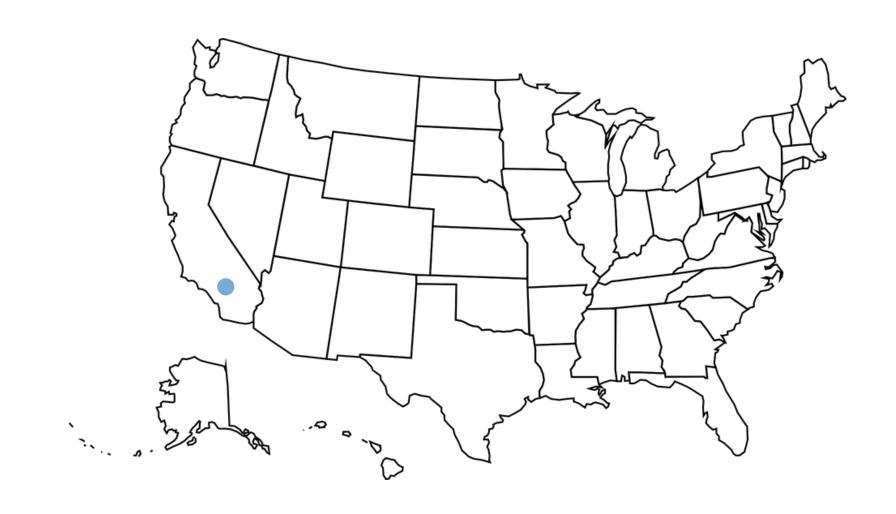
	Siragusa	Butterfield
Building Footprint (Acres)	1.92	2.13
Parking Acres	2.65	5.95
Building:Parking Ratio	1:1.4	1:2.8
Value Per Acre	\$4.6M	\$2.5M



Lesson:

### What are you carrying?





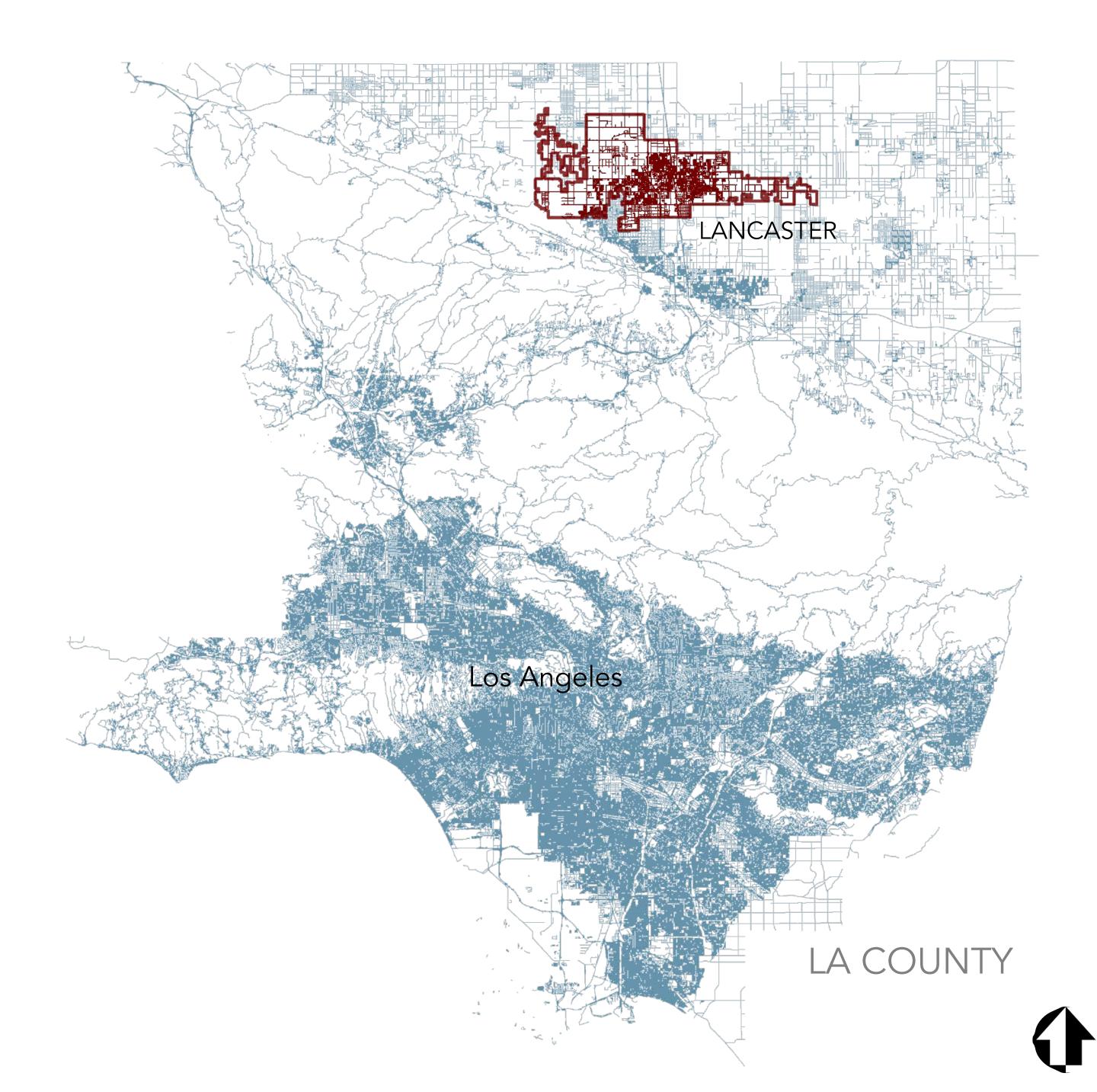
Case Study: Economic MRI®, Fiscal MRI®, Policy Analytics 2014-2019

### Lancaster, California

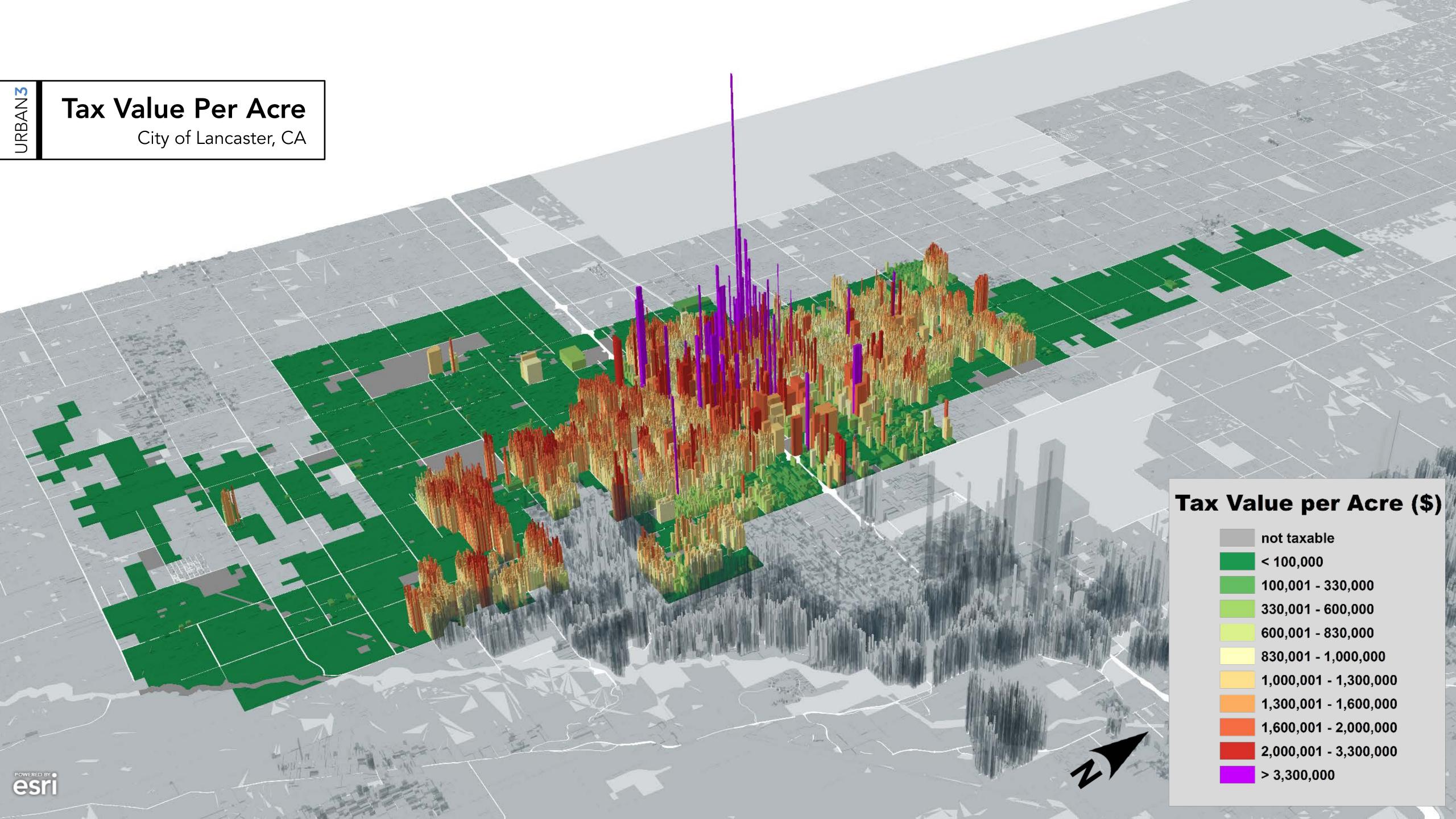


#### Paved Roads

City of Lancaster, CA

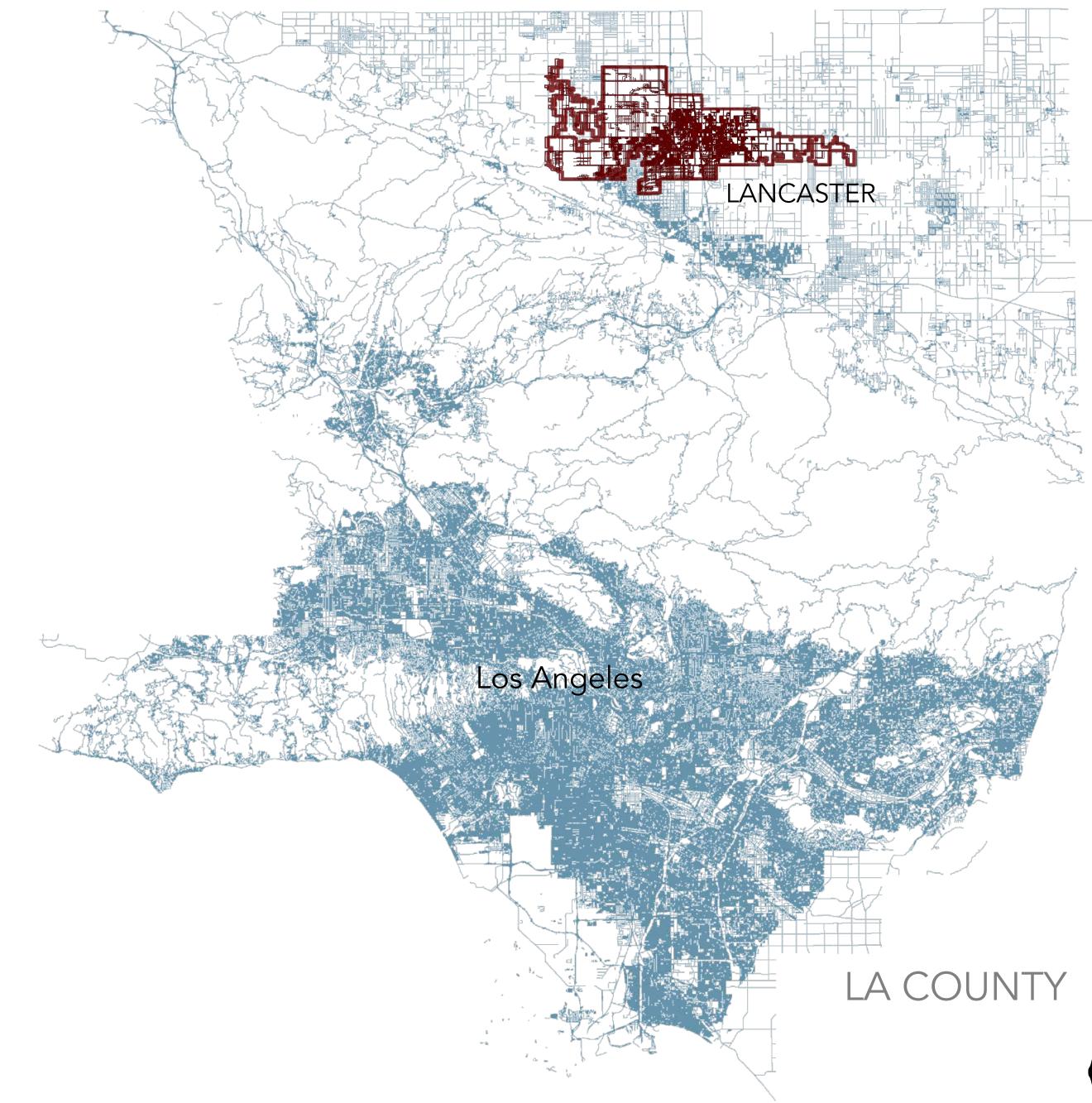


#### LANCASTER:



#### Paved Roads

City of Lancaster, CA





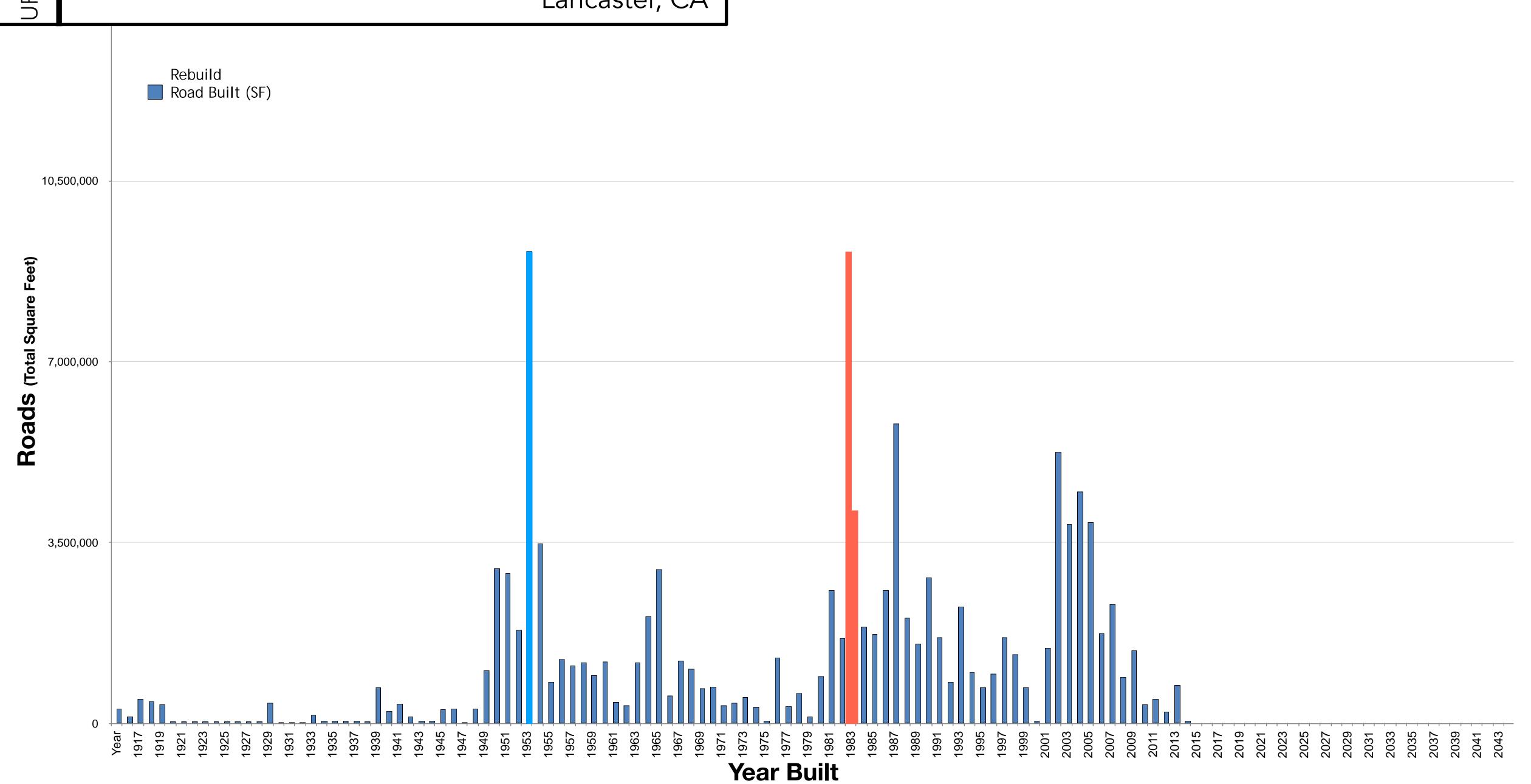
LANCASTER: 953 MILES

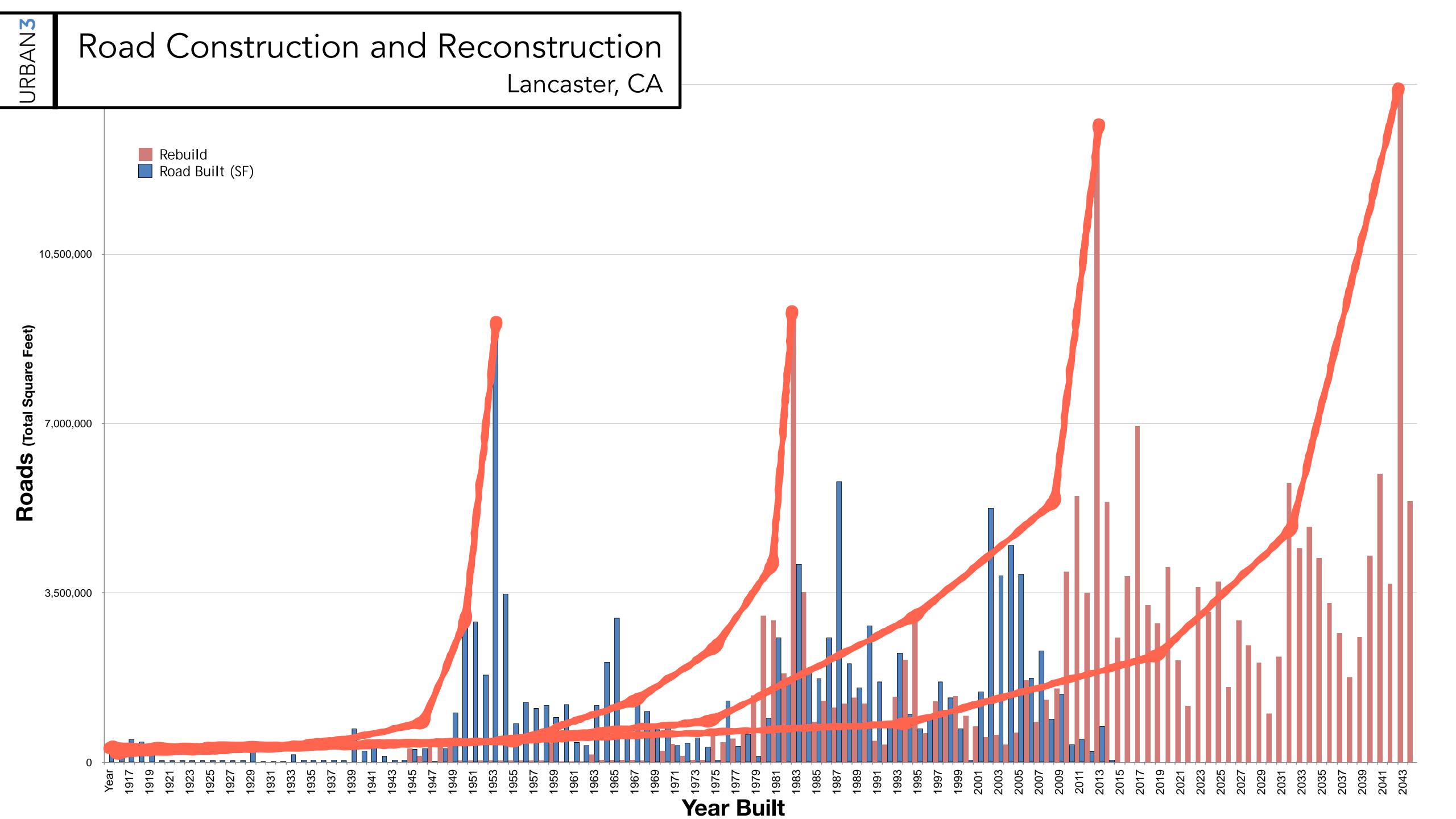




#### Road Construction and Reconstruction

Lancaster, CA





### What Roads Can You Sustain?

Based on revenue flow, what can we afford? About half the network.



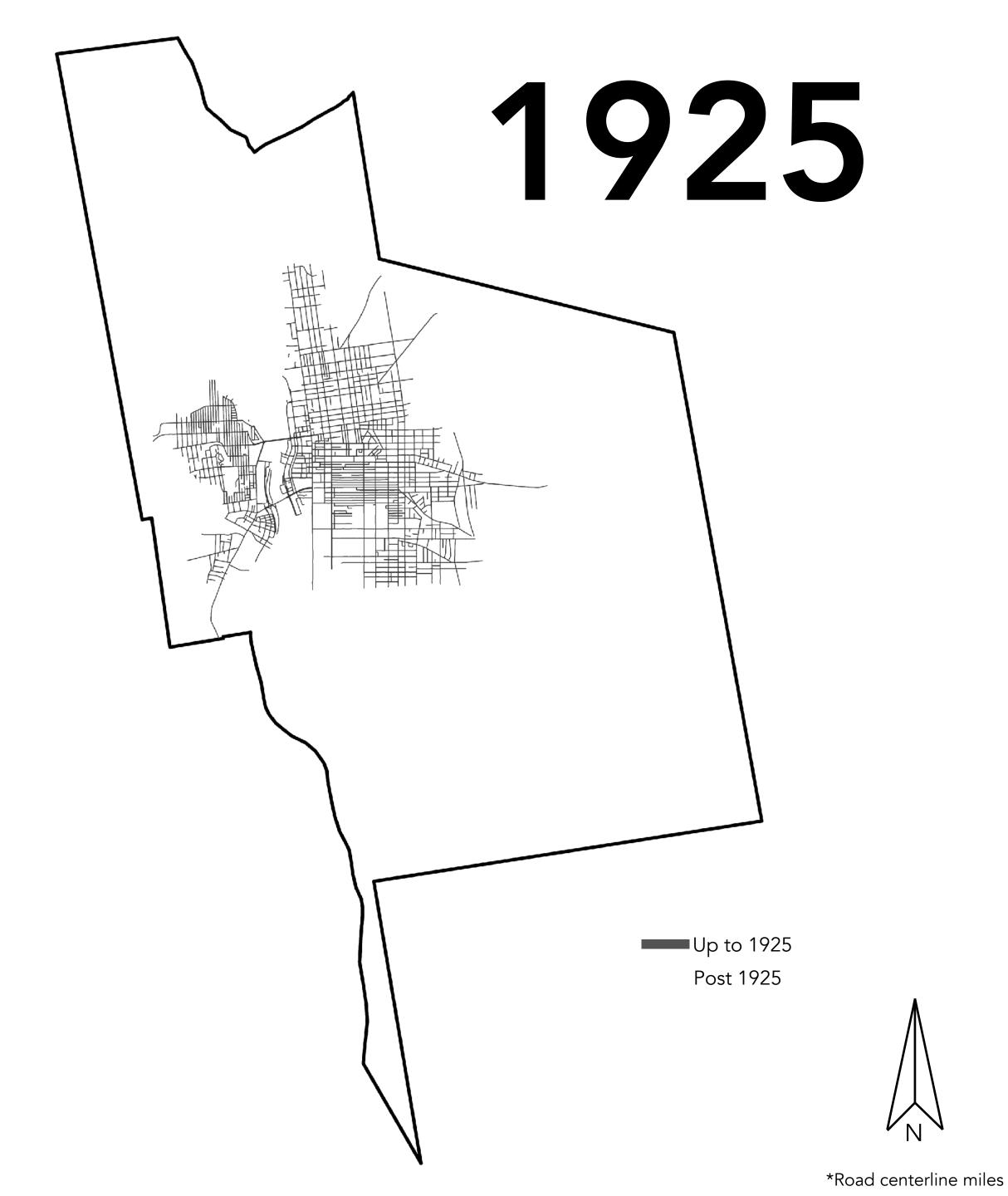
#### Roads over Time

Manchester, NH

77,000 people

140 miles\* of road

9.6 feet of road per person



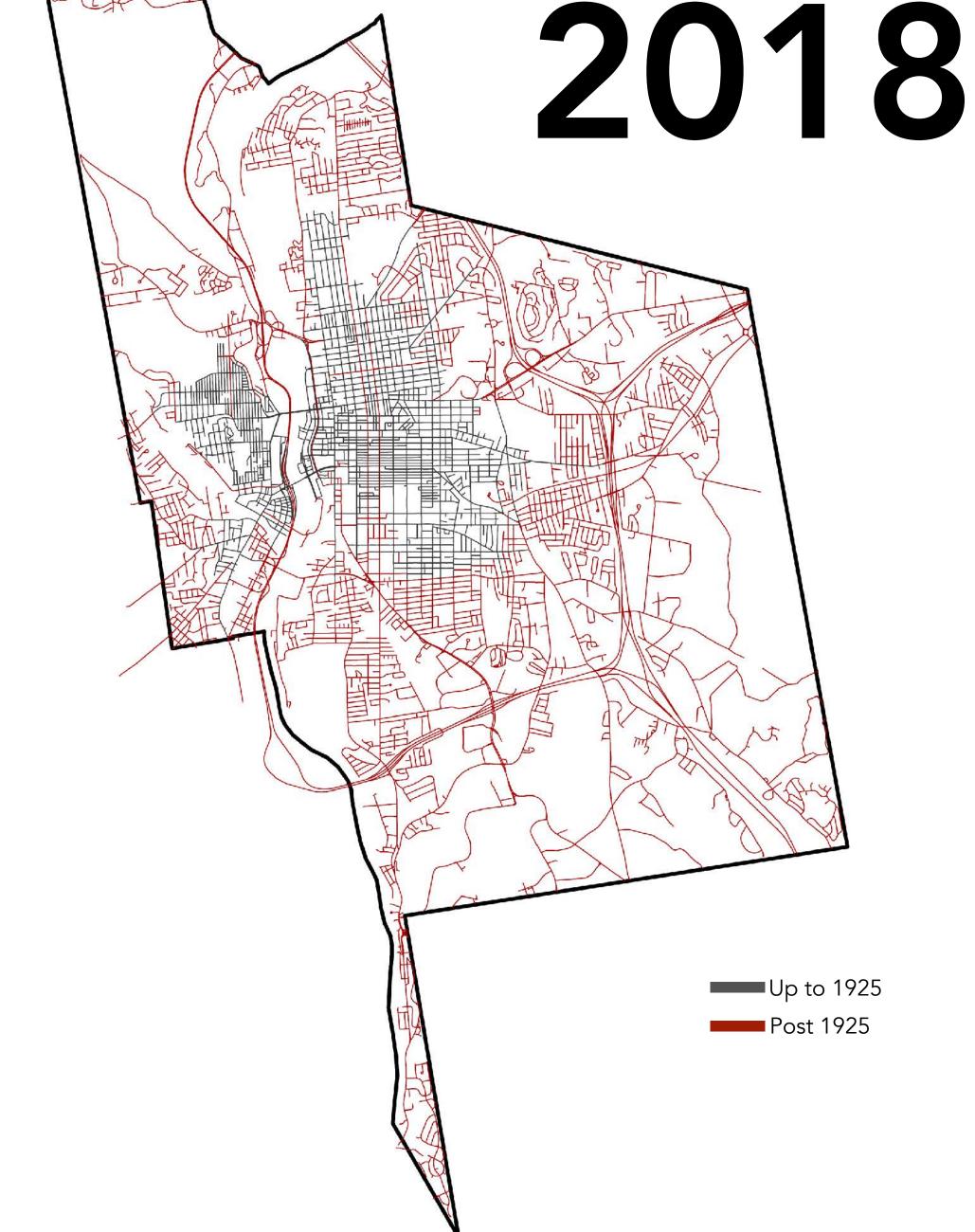
111,000 people

535 miles\* of road

25.4 feet of road per person

Manchester, NH

Feet per person



\*Road centerline miles

44%

Question:

### OK. So now what?



What you can do:

### 1. Do more analytics.





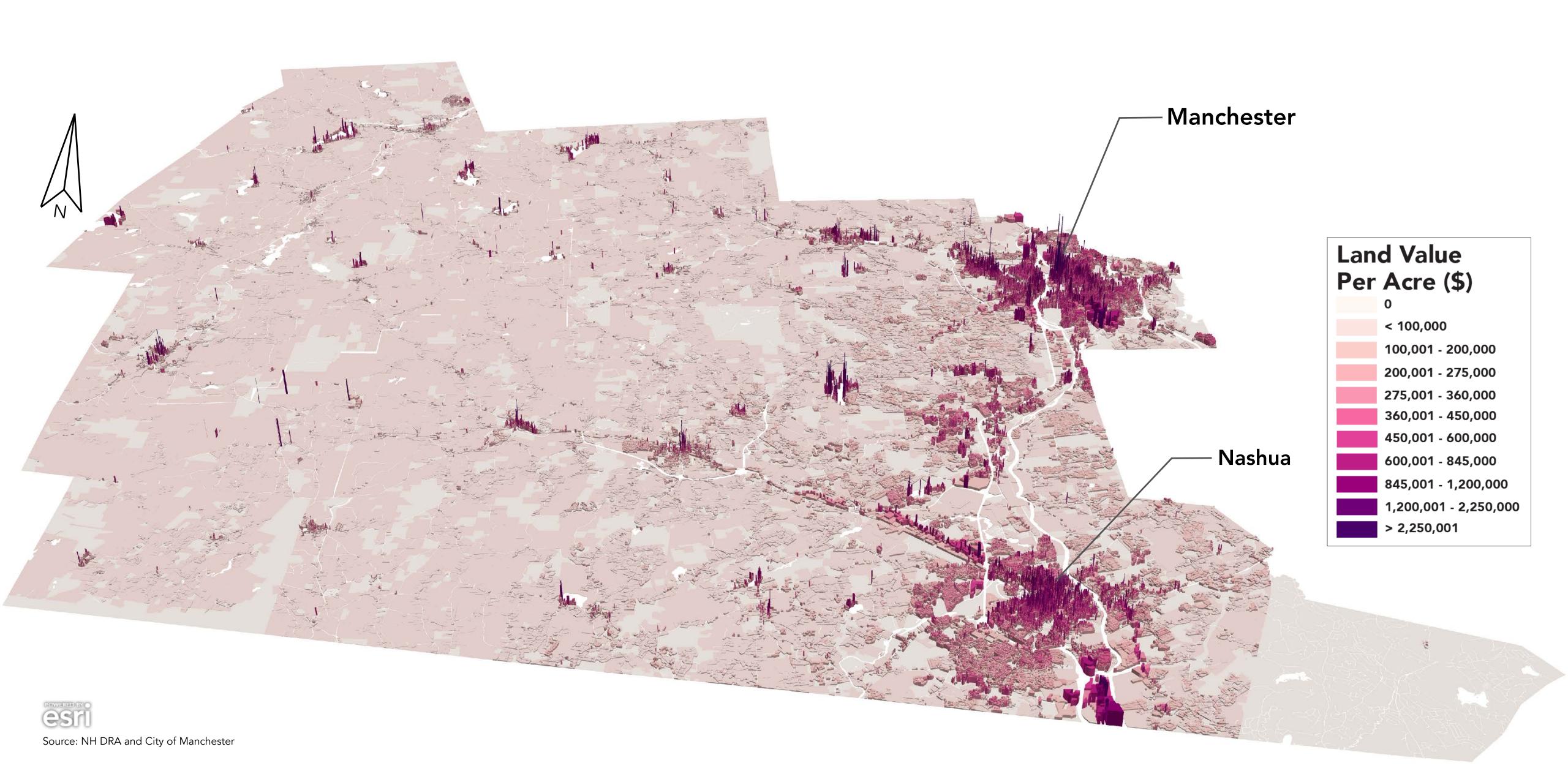


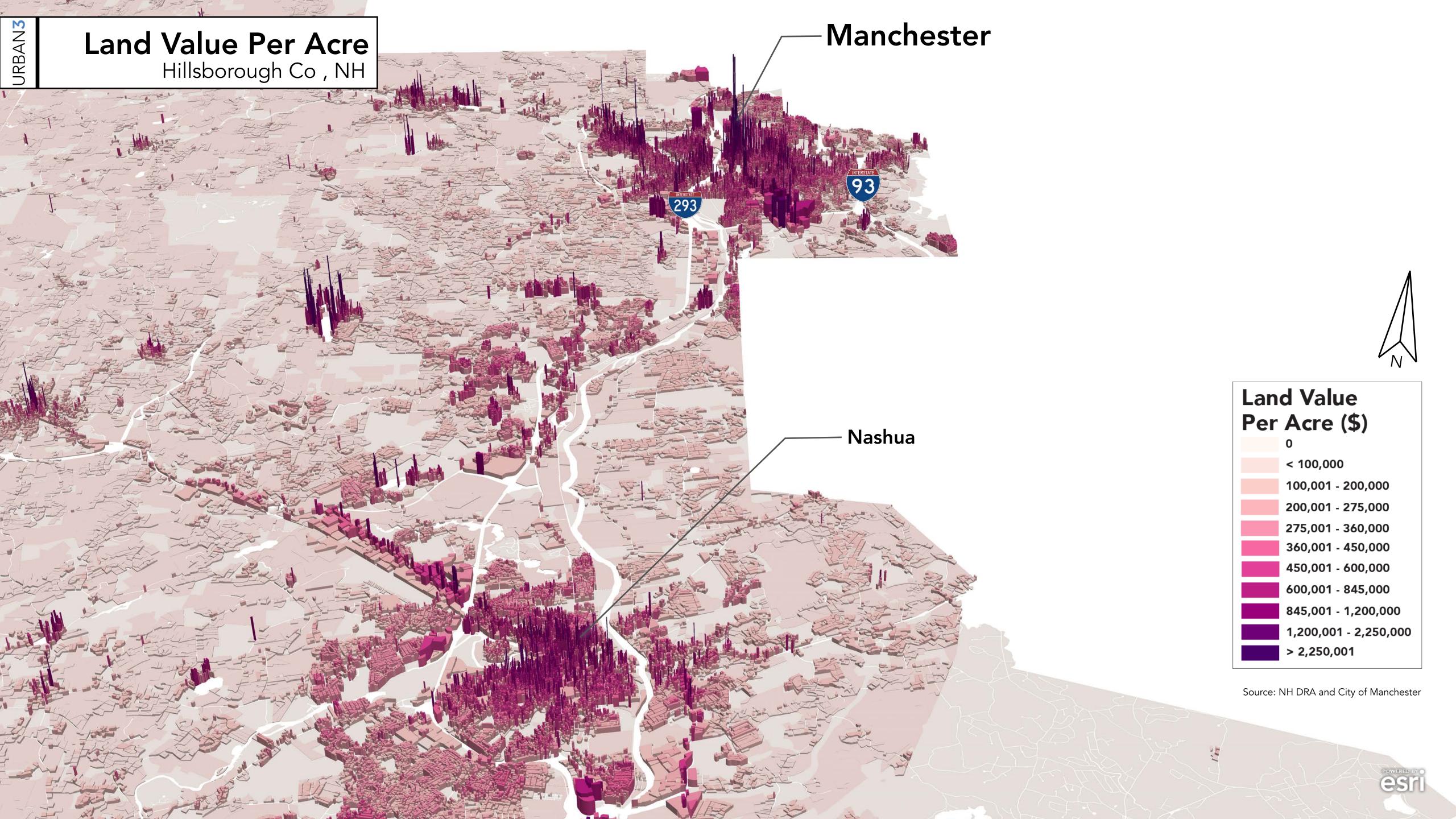


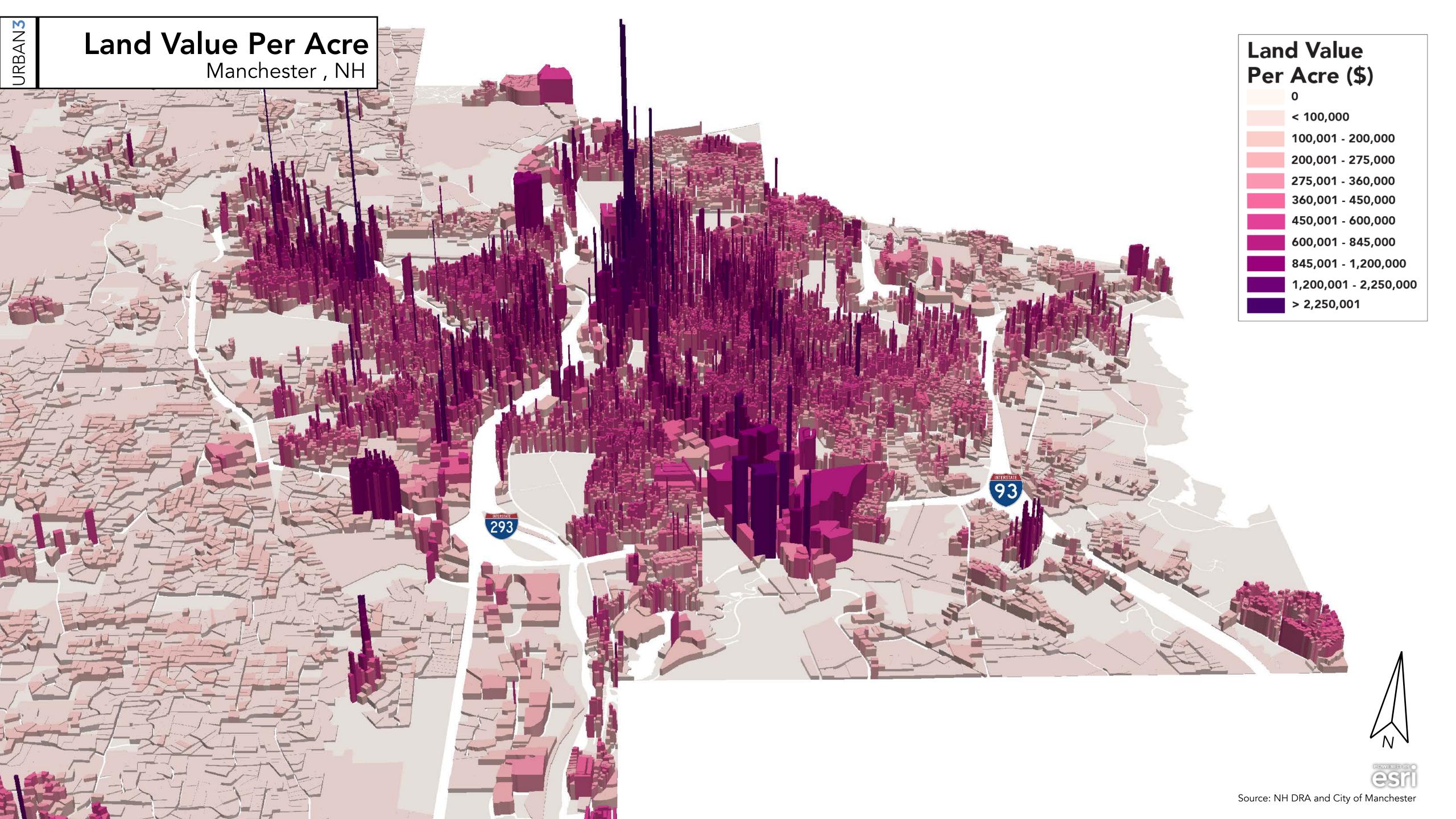


#### Land Value Per Acre

Hillsborough Co, NH



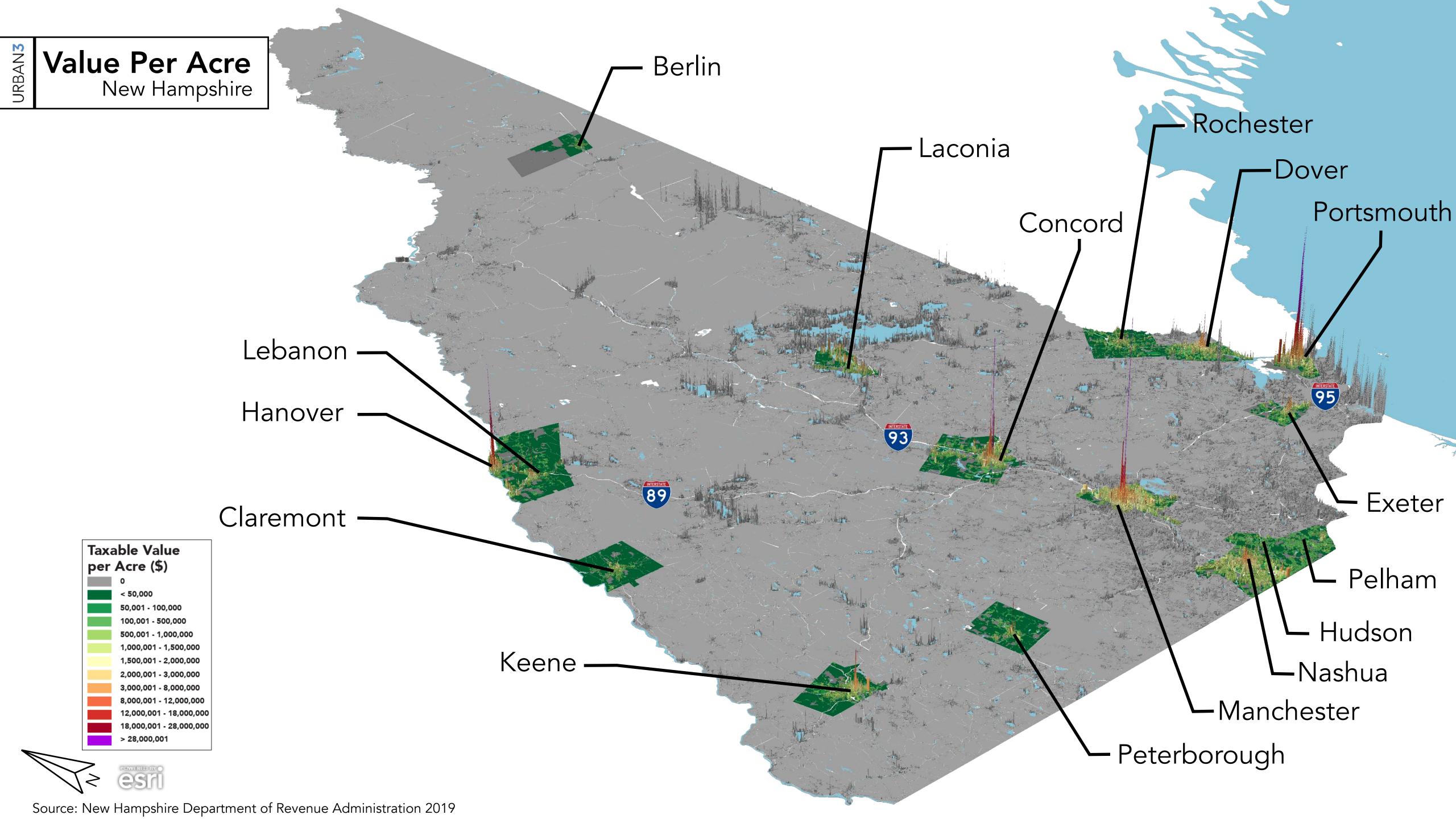


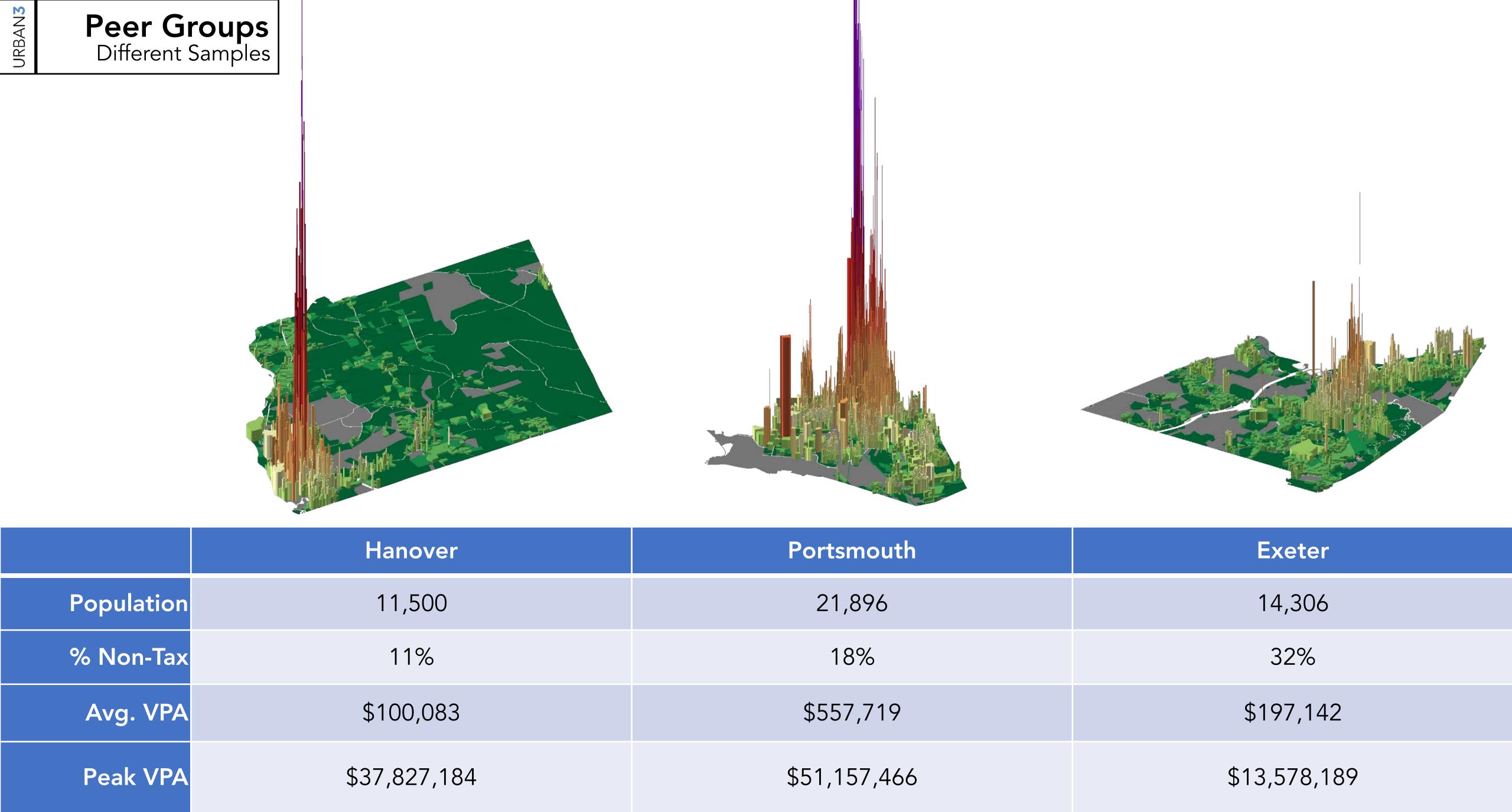


What you can do:

## 2. Learn from your neighbors







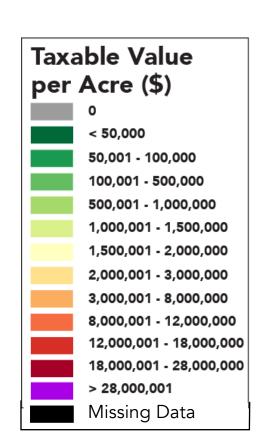
## 3. Maintain/Recreate Historic Value

















Portsmouth
Mixed-use
VPA: \$29.3 M

Portsmouth, long term success.

## 4. Adapt





Multi-family VPA: \$1.9 M



Mixed-use VPA: \$9.6 M



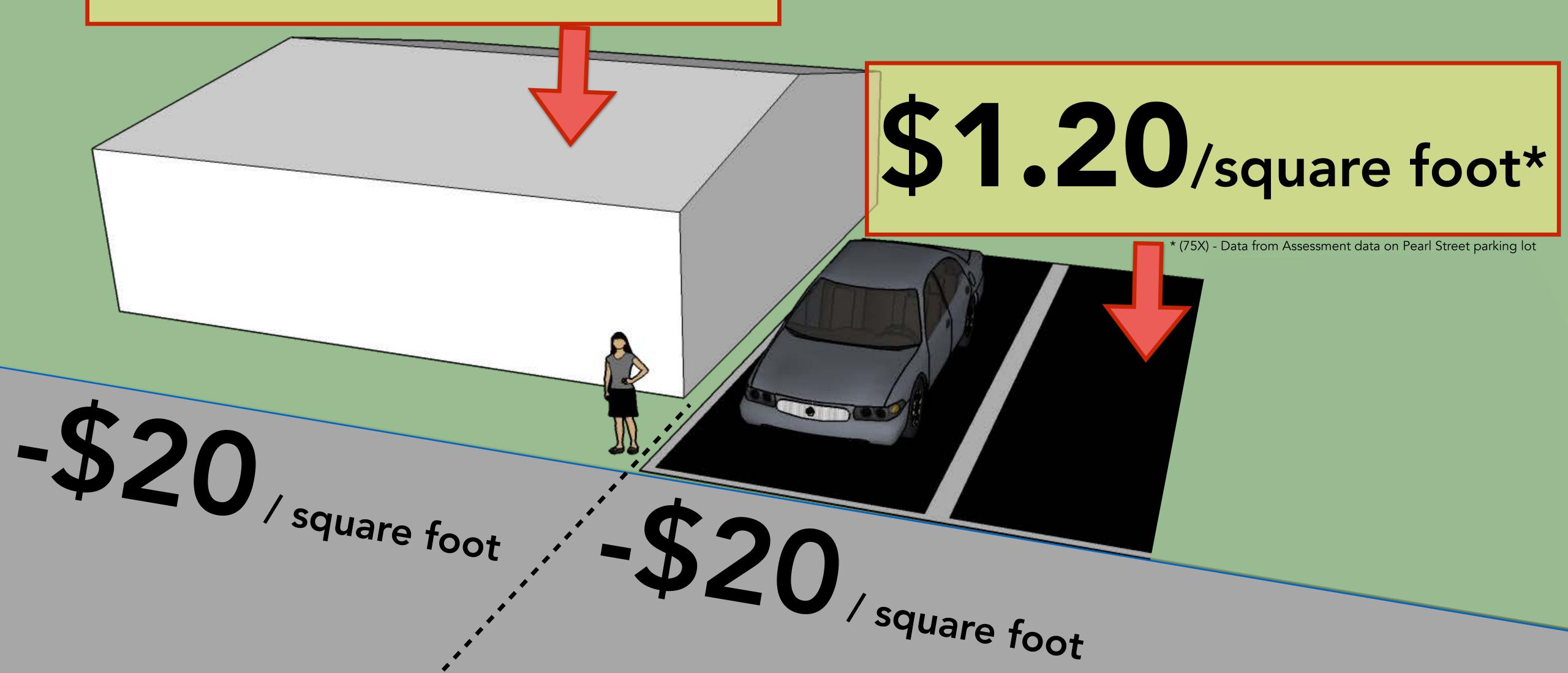
Peak VPA VPA: \$15.3 M

# 5. Realize that Parking is Subsidized.



\$90/square foot

What is Parking?
Measuring Manchester space



## 6. Build for Productivity



#### Value Per Acre Commercial



Peterborough Commercial VPA: \$0.94 M



Exeter
Commercial
VPA: \$0.97 M



Concord Commercial VPA: \$0.84 M



Berlin Commercial VPA: \$0.31 M



Dover Commercial VPA: \$1.3 M



Portsmouth Commercial VPA: \$2.4 M



Hanover Commercial VPA: \$3.4 M



Hudson Commercial VPA: \$0.66 M



Kenne Commercial VPA: \$0.95 M



Rochester Commercial VPA: \$1.2 M



Pelham Commercial VPA: \$0.5 M



Claremont Commercial VPA: \$0.49 M



Lebanon Commercial VPA: \$1.1 M



Laconia Commercial VPA: \$0.9 M

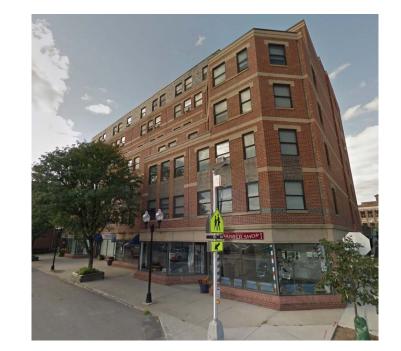


Nashua Commercial VPA: \$1.3 M

Sample average: \$970,000 value/acre

#### Value Per Acre

Traditional Commercial



Keene Peak VPA VPA: \$14 M



Lebanon Mixed-use VPA: \$6.2 M



Laconia Mixed-use VPA: \$3.7 M



Hanover Mixed-use VPA: \$12 M



Concord Mixed-use VPA: \$7.6 M



Nashua Mixed-use VPA: \$10 M



Exeter
Peak VPA
VPA: \$13.5 M



Dover Mixed-use VPA: \$9.6 M



Berlin Peak VPA VPA: \$2.5 M



Peterborough Peak VPA VPA: \$12.2 M



Rochester Mixed-use VPA: \$3.9 M



Portsmouth Mixed-use VPA: \$29.3 M

Sample average: \$8,300,000 value/acre

## 7. Patterns of Costs





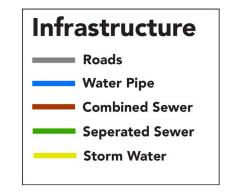






#### Originally Built 1920s-1940s

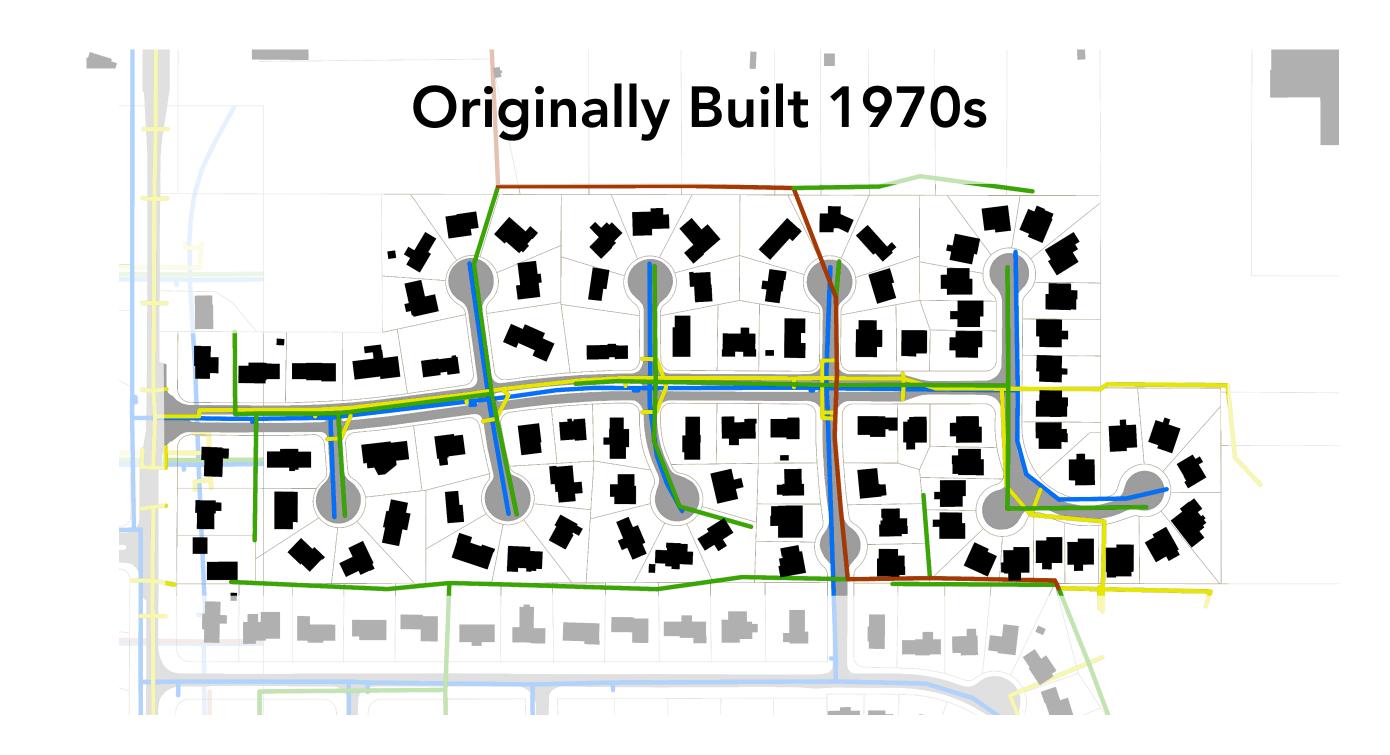


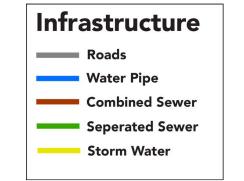




Originally Built 1920s-1940s









#### Originally Built 1970s

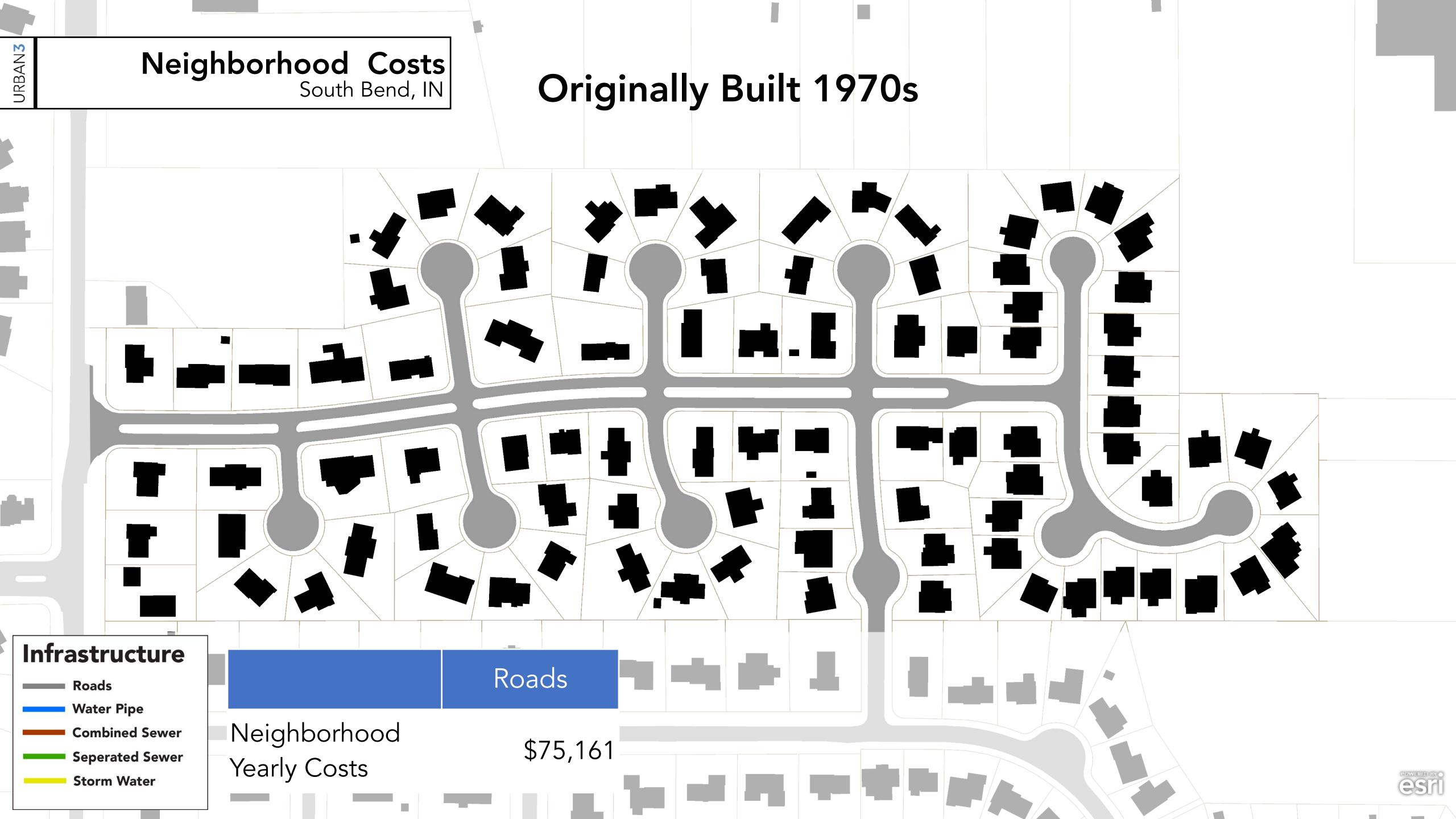


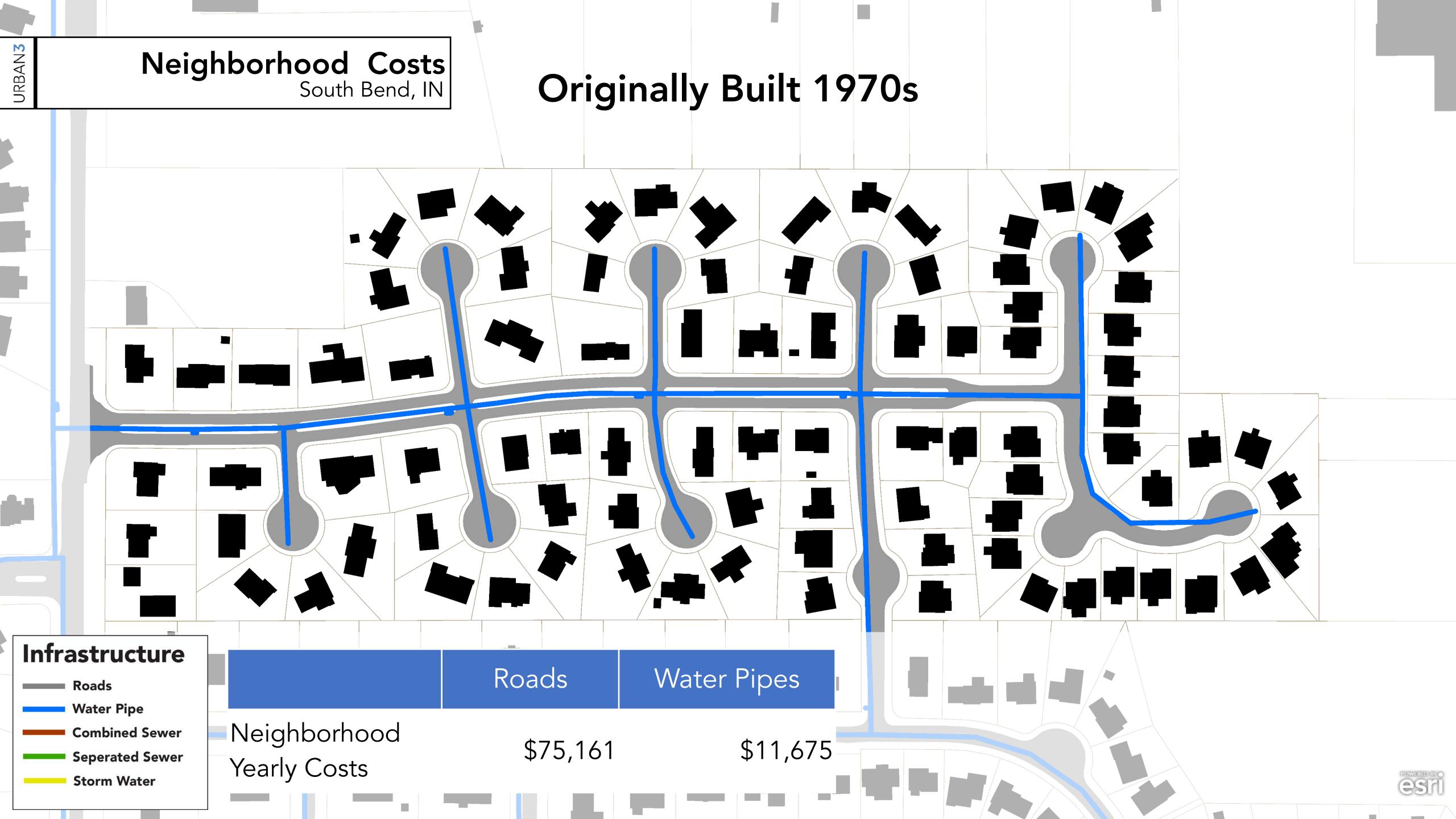


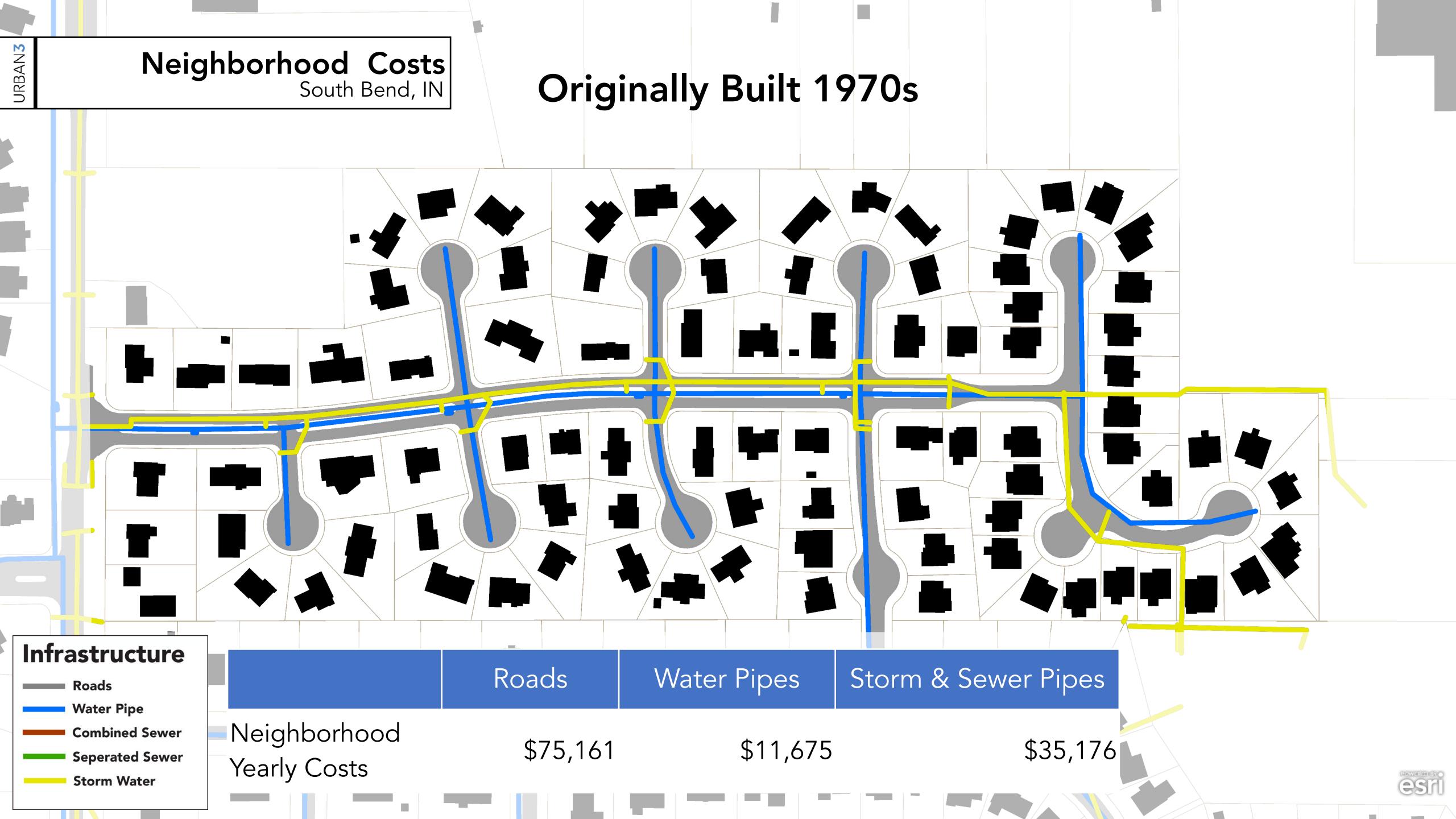
#### Originally Built 1970s

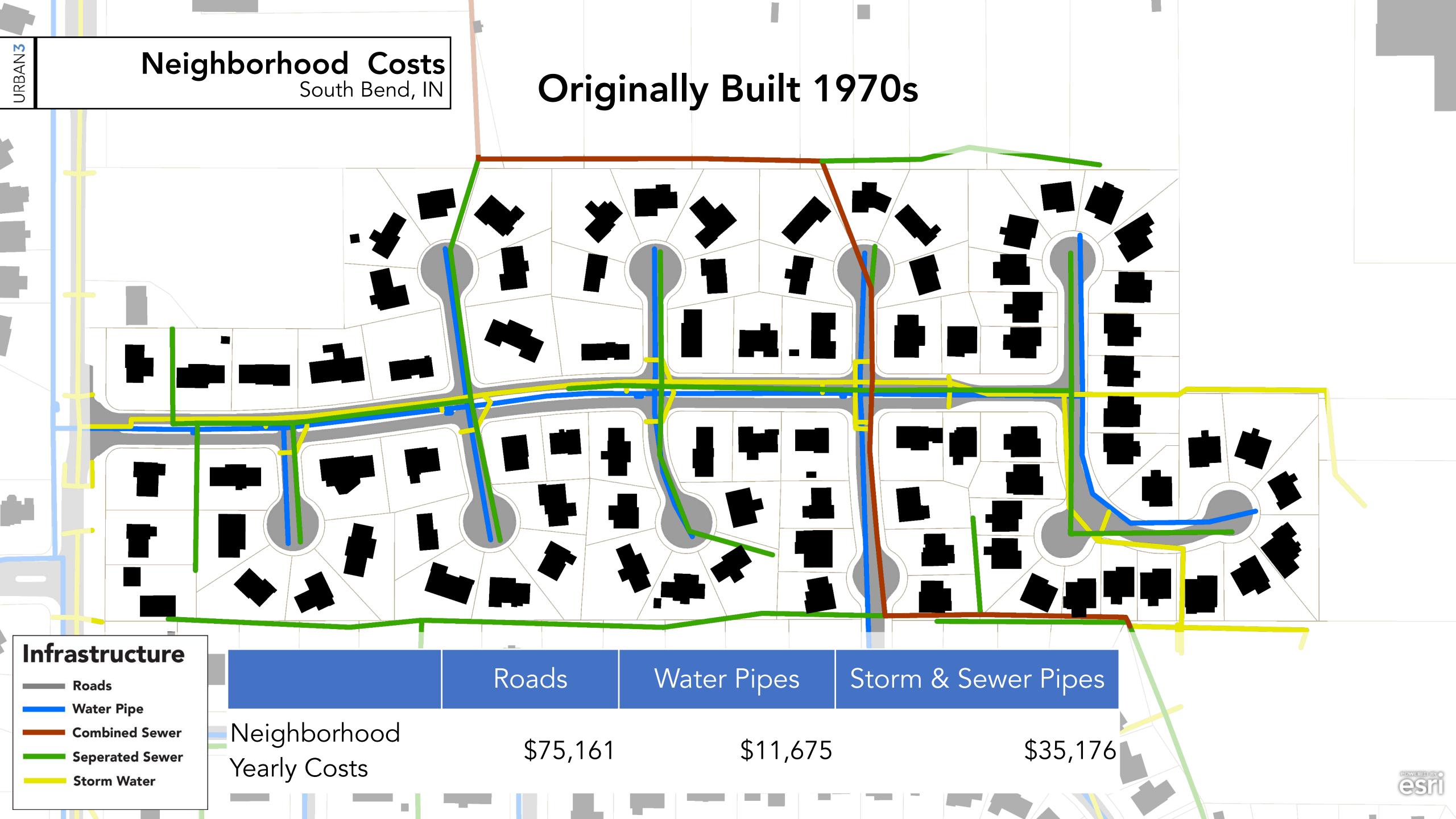


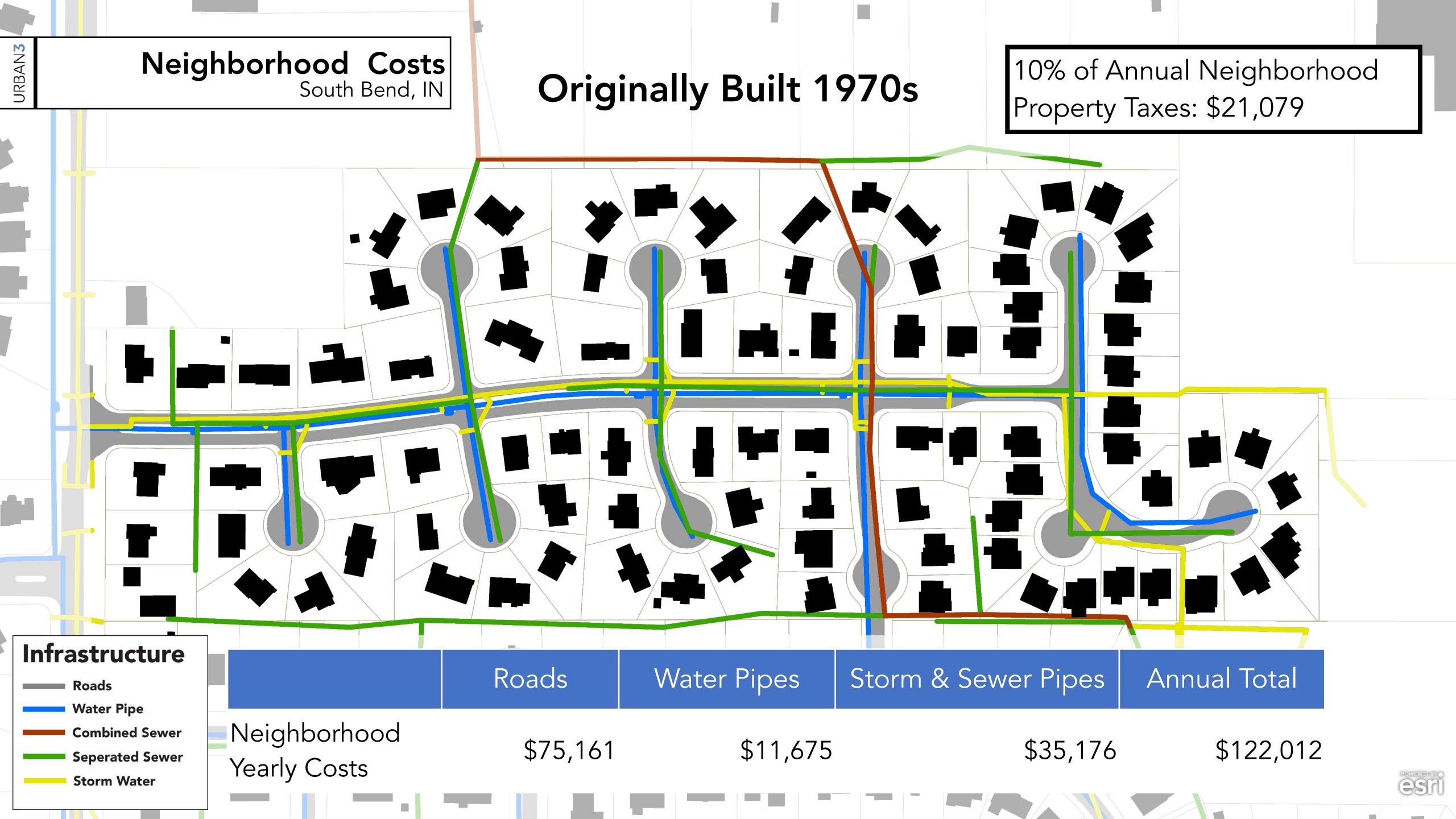


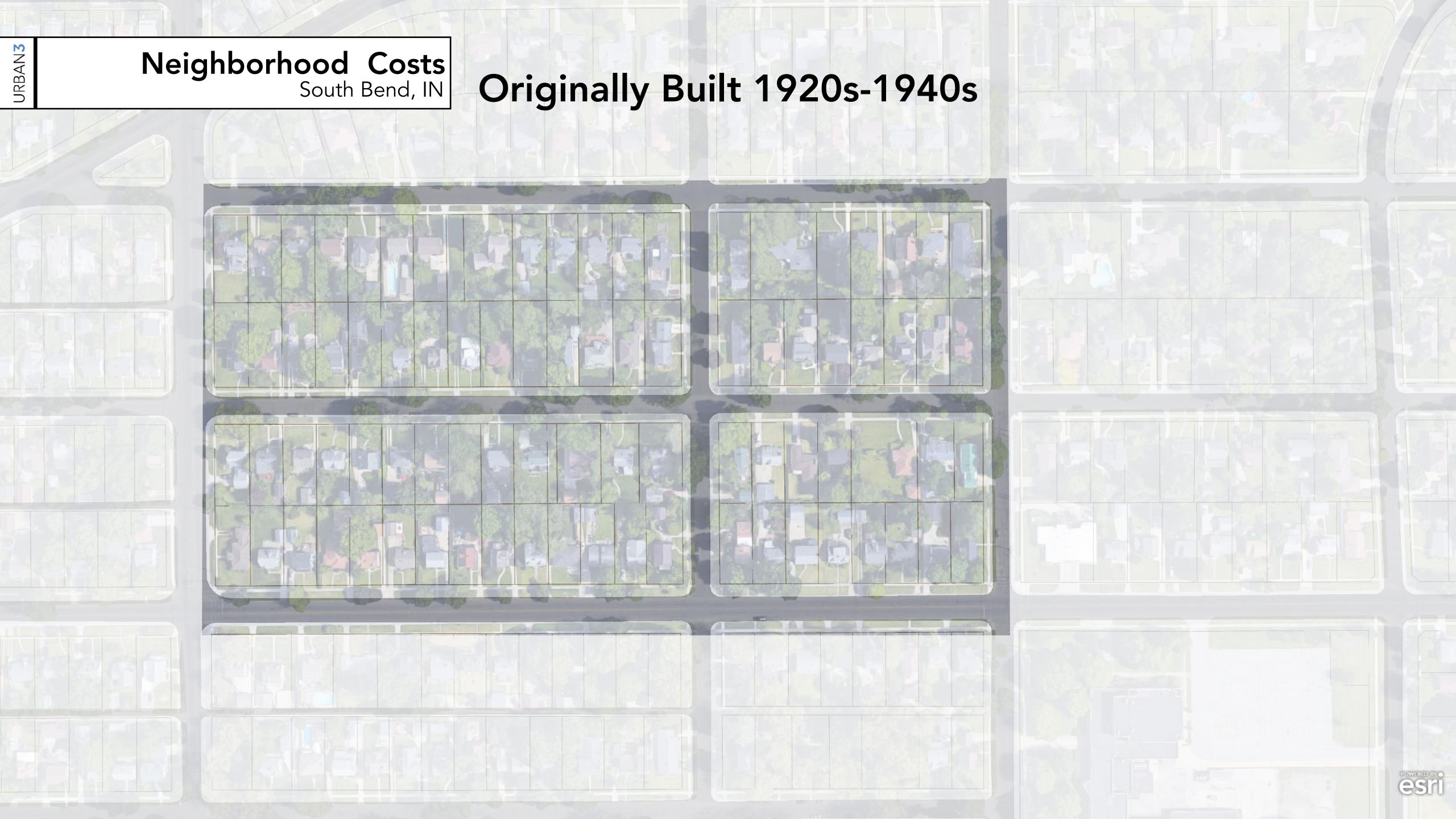


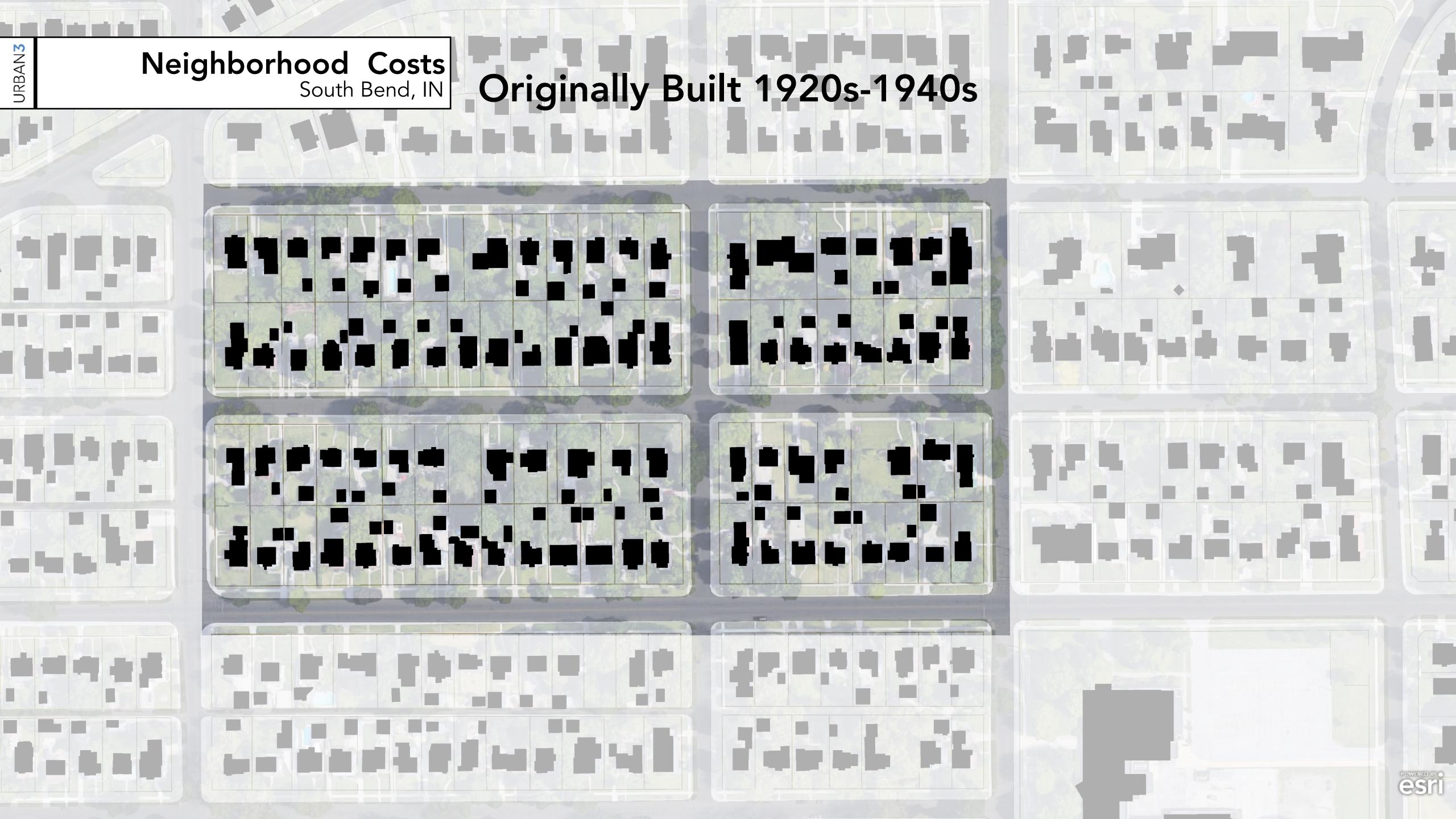


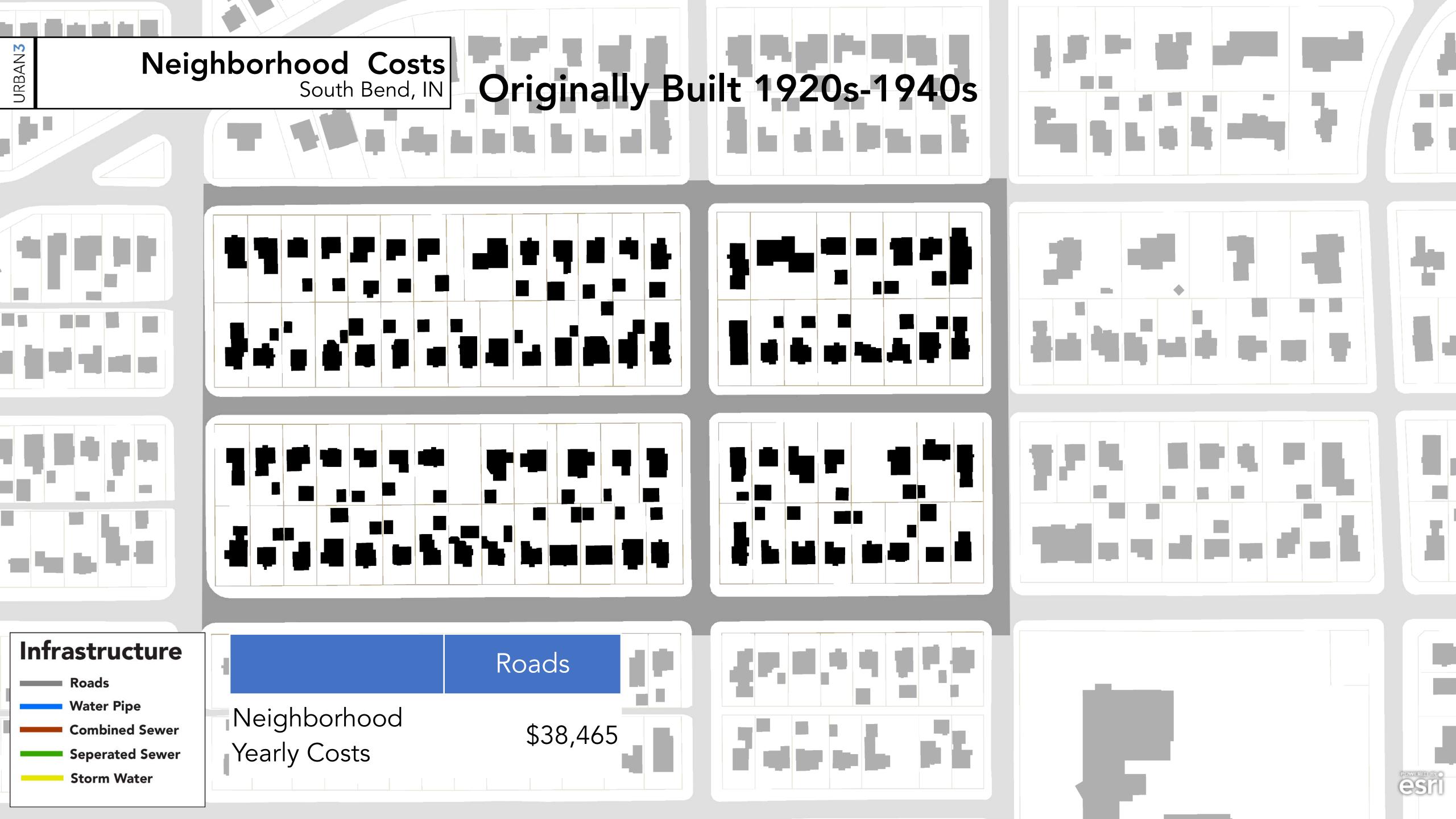


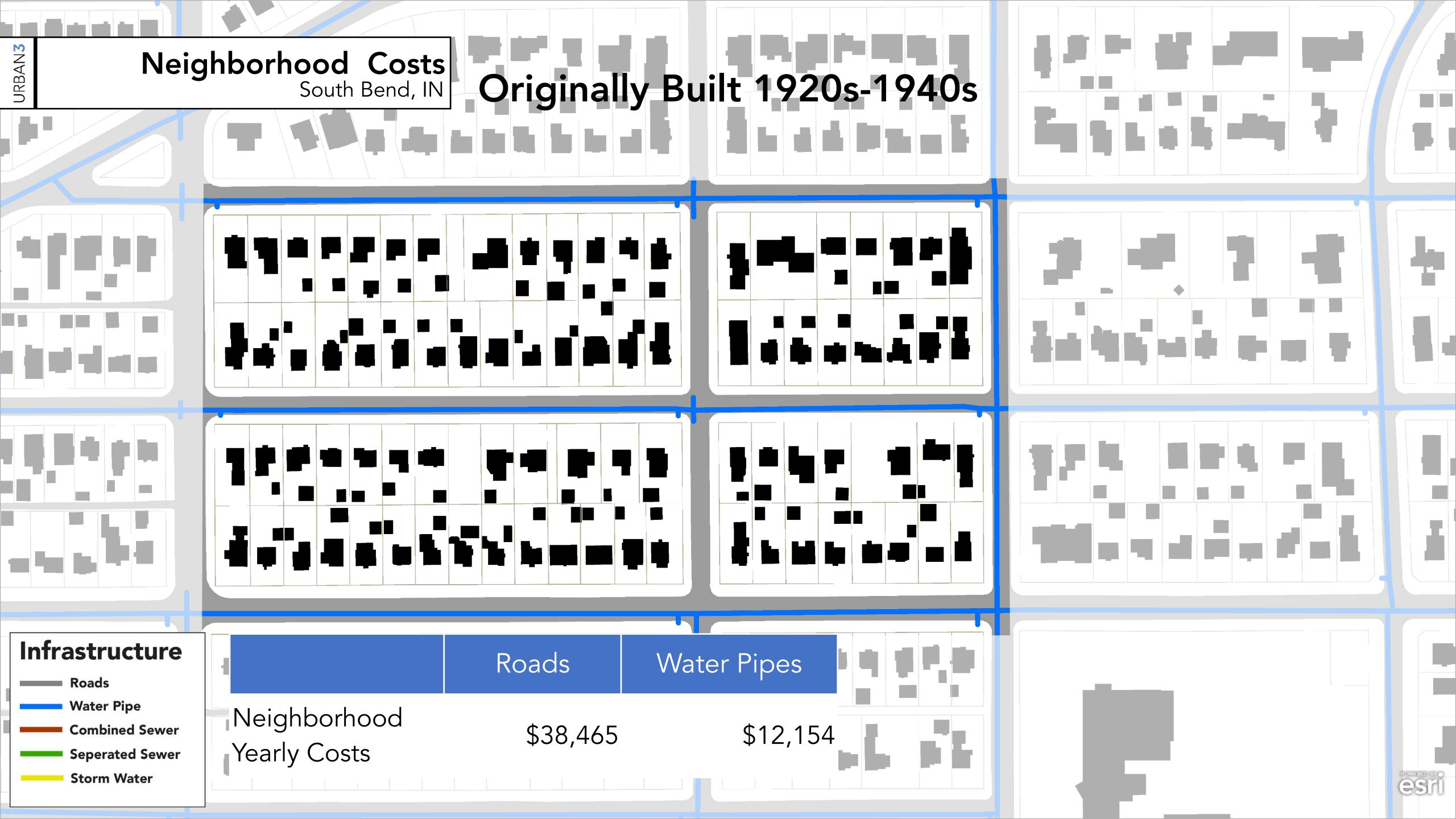


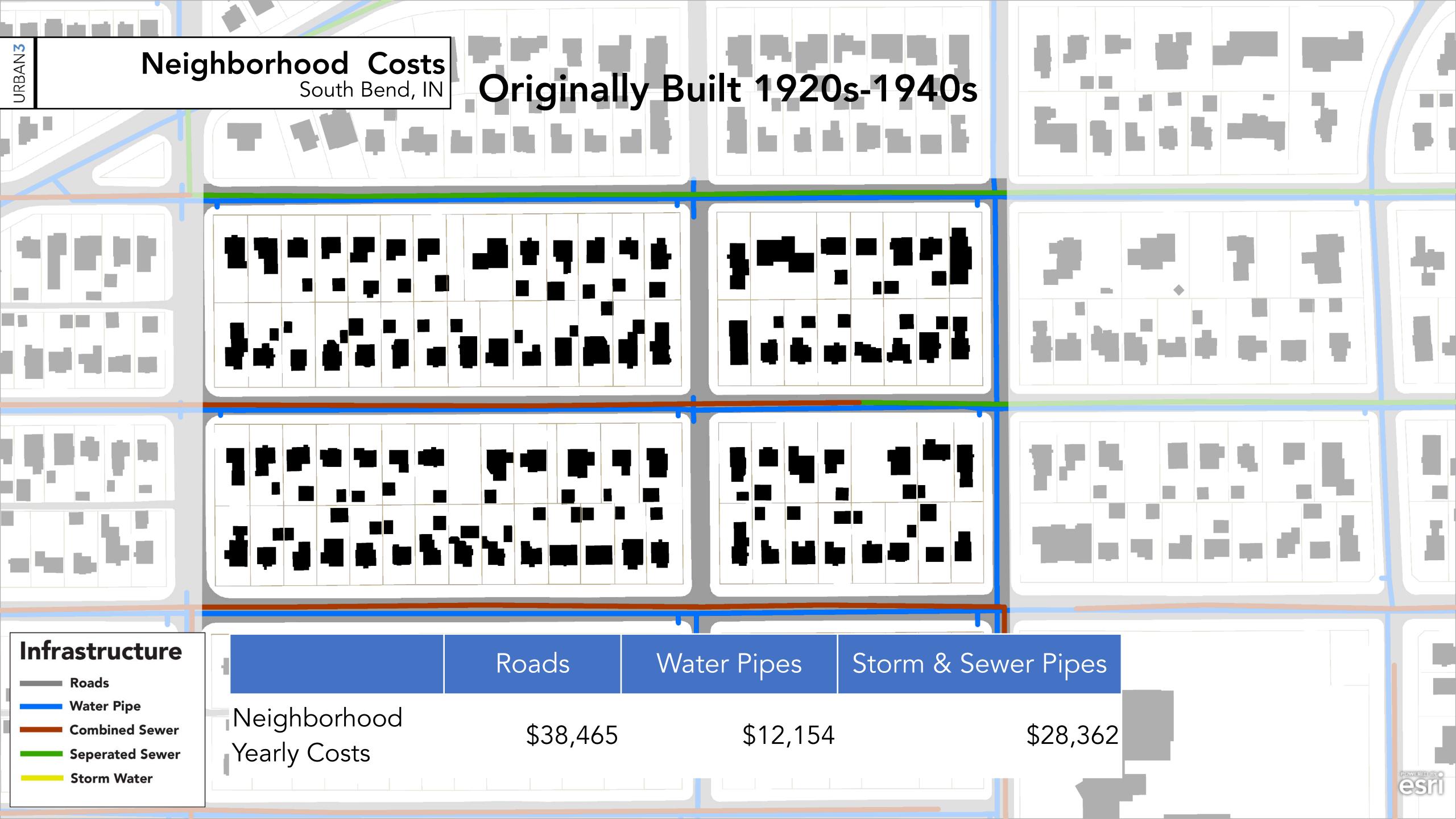


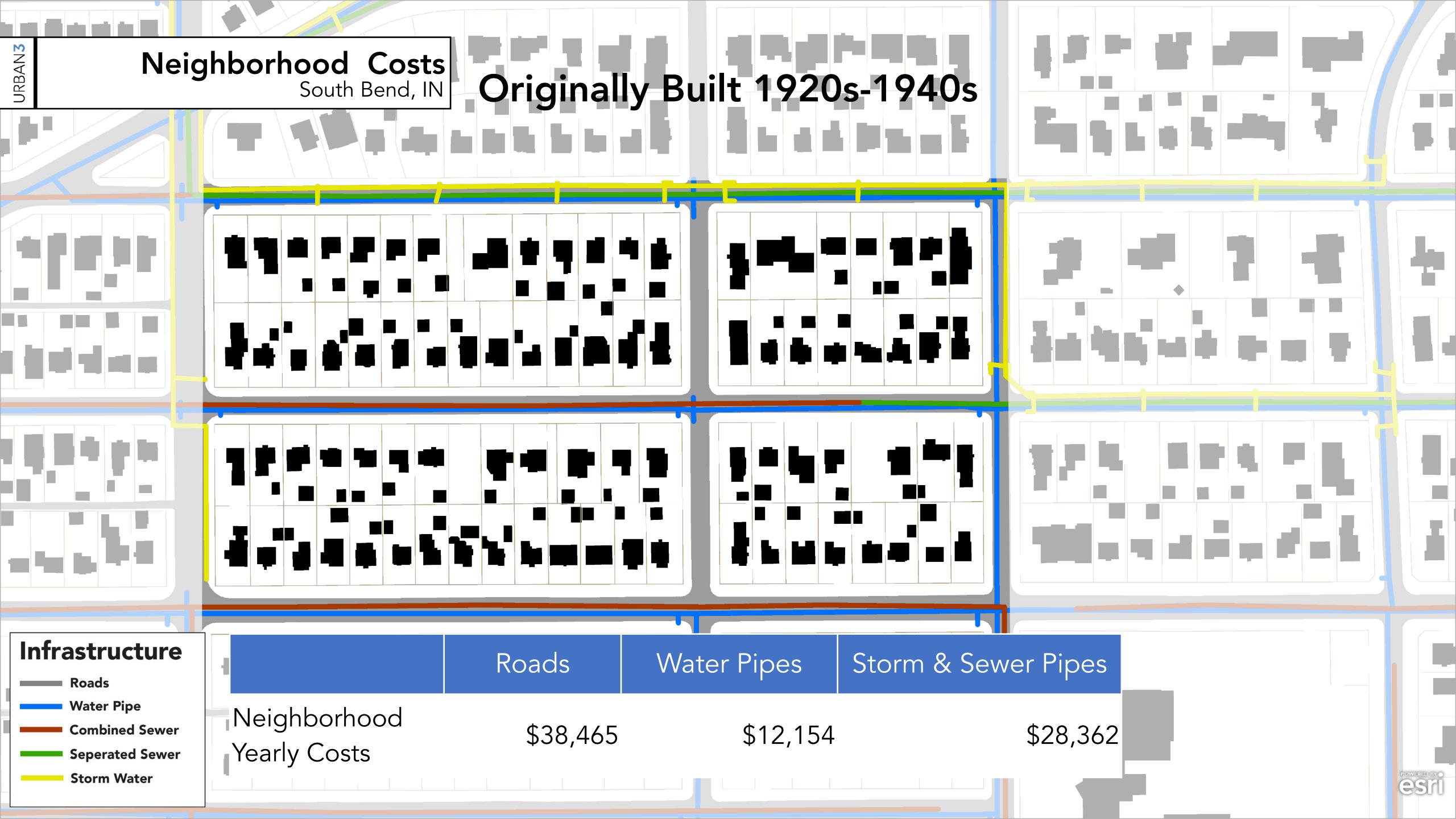


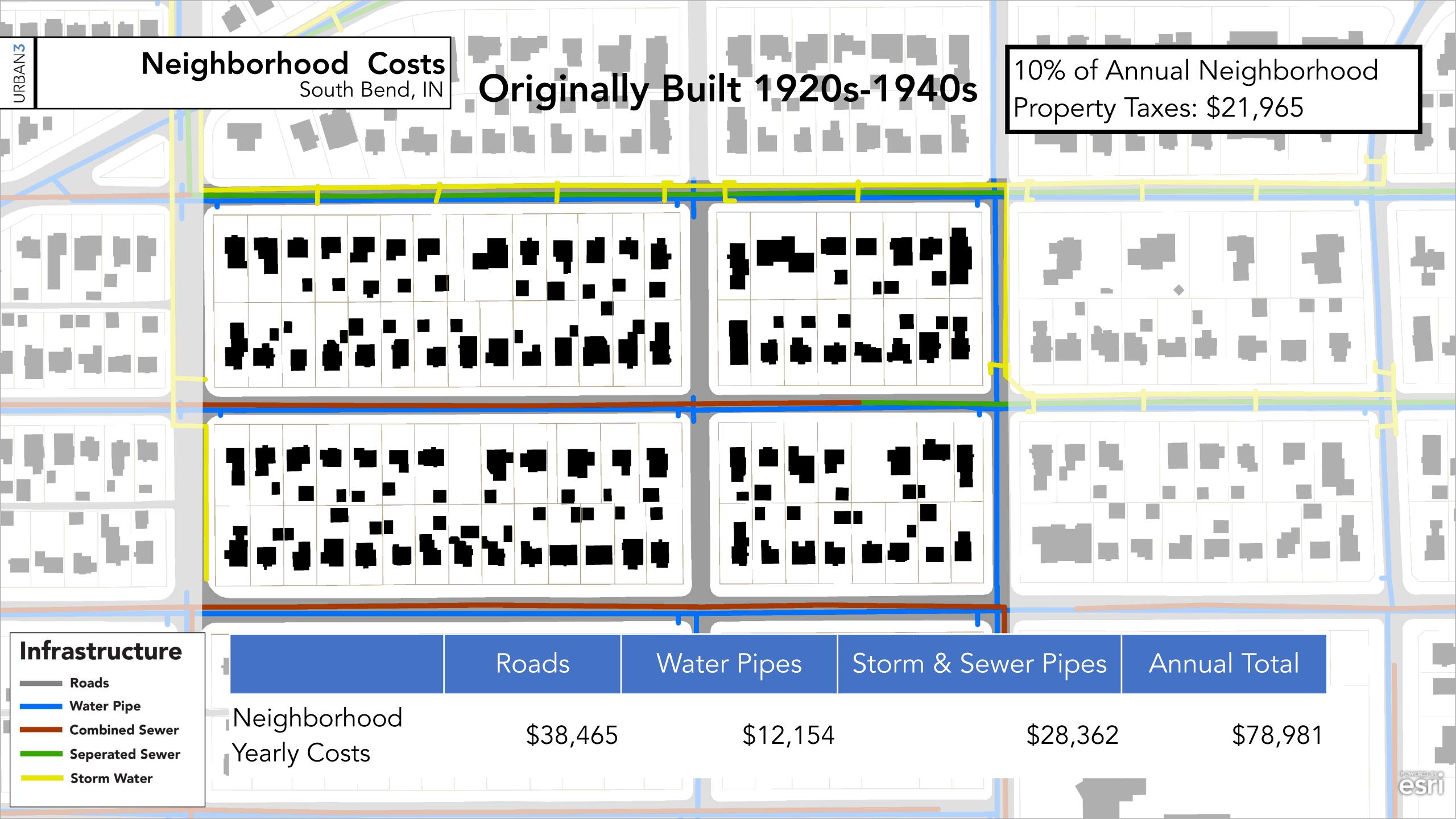






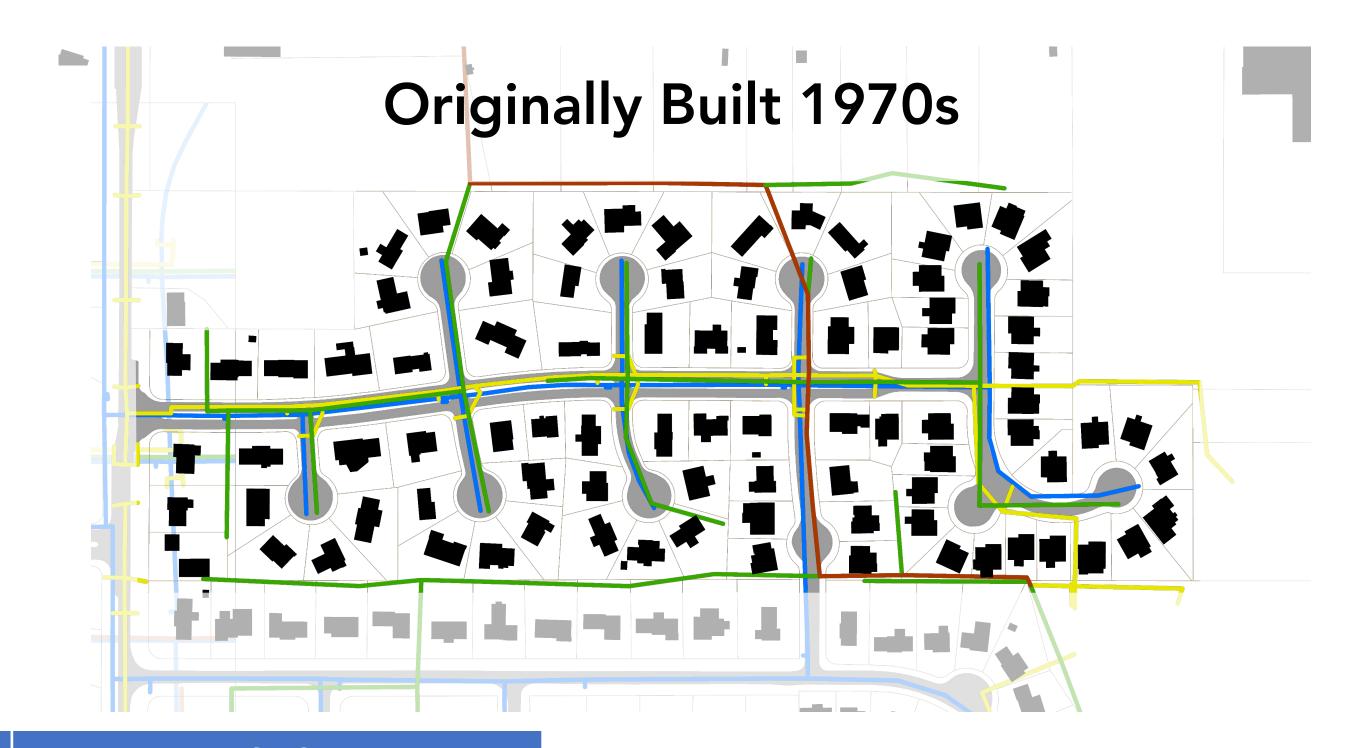




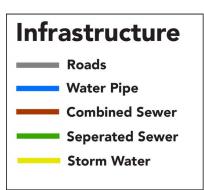


#### Originally Built 1920s-1940s





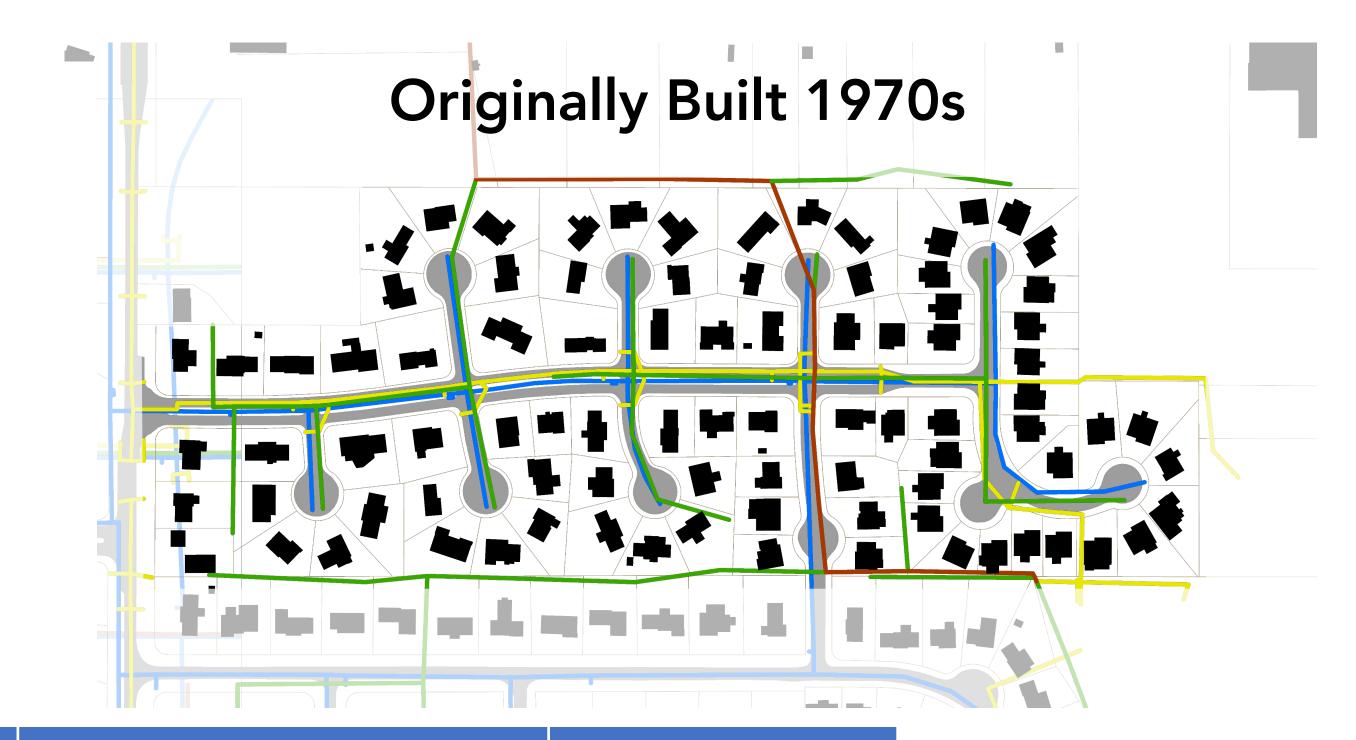
	1920-1940s	1970s
Lots	88	88
Road Cost	\$38,465	\$75,161
Water Pipes	\$12,154	\$11,675
Storm & Sewer Pipes	\$28,382	\$35,176
Annual Total Costs	\$78,981	\$122,012
10% Property Taxes	\$21,965	\$21,079
Deficit	-\$57,016	-\$100,933



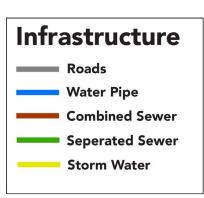


#### Originally Built 1920s-1940s





	1920-1940s	1970s	Difference
Lots	88	88	0
Road Cost	\$38,465	\$75,161	2x
Water Pipes	\$12,154	\$11,675	-0.96x
Storm & Sewer Pipes	\$28,382	\$35,176	1.2x
Annual Total Costs	\$78,981	\$122,012	1.5x
10% Property Taxes	\$21,965	\$21,079	-0.96x
Deficit	-\$57,016	-\$100,933	1.8x





## 8. Measure What You Own



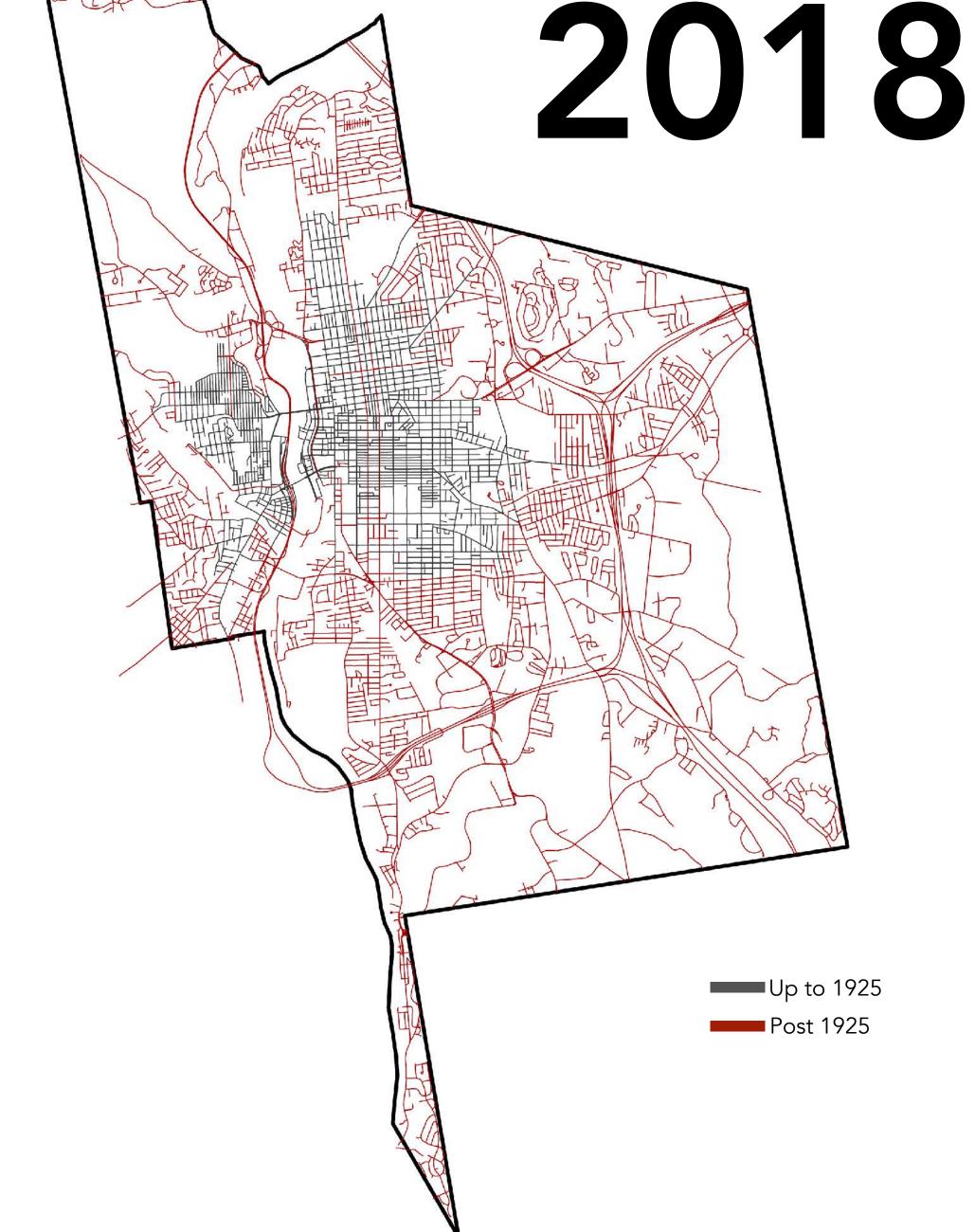
111,000 people

535 miles\* of road

25.4 feet of road per person

Manchester, NH

Feet per person



\*Road centerline miles

44%

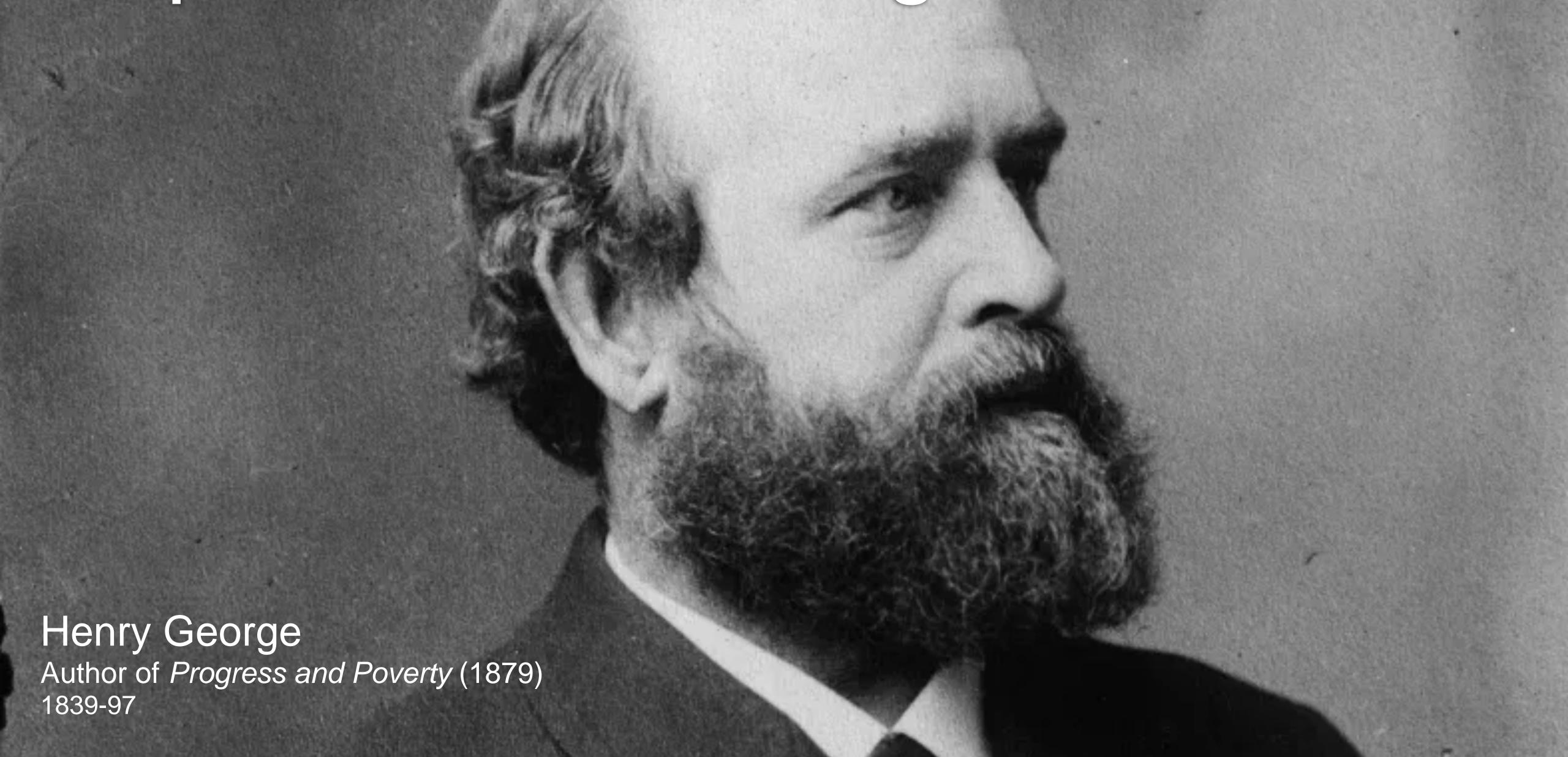
## 9. Consider the Tax System

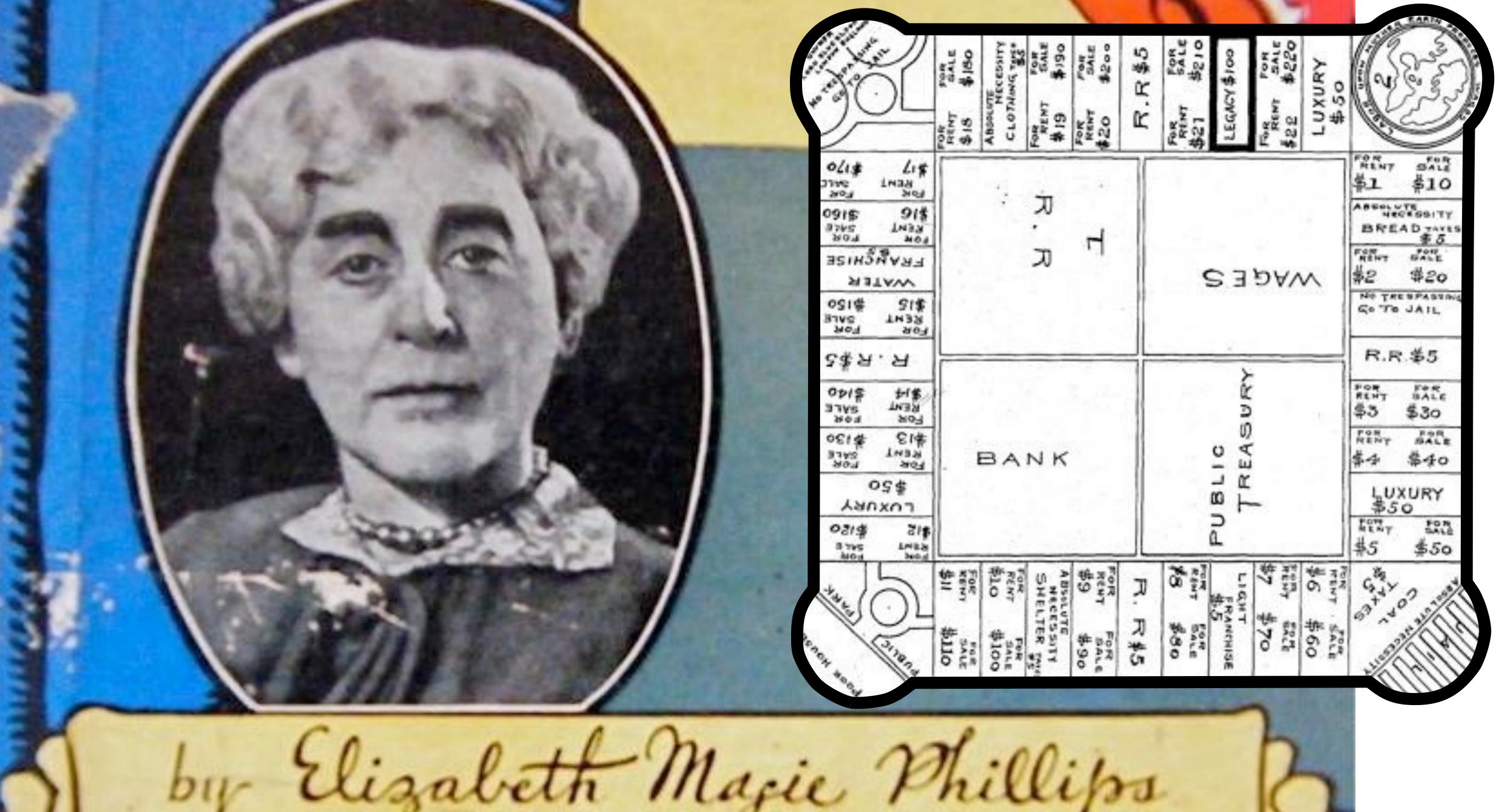


Question:

## What is an appropriate tax?

## Proponent of the "single tax" on land.

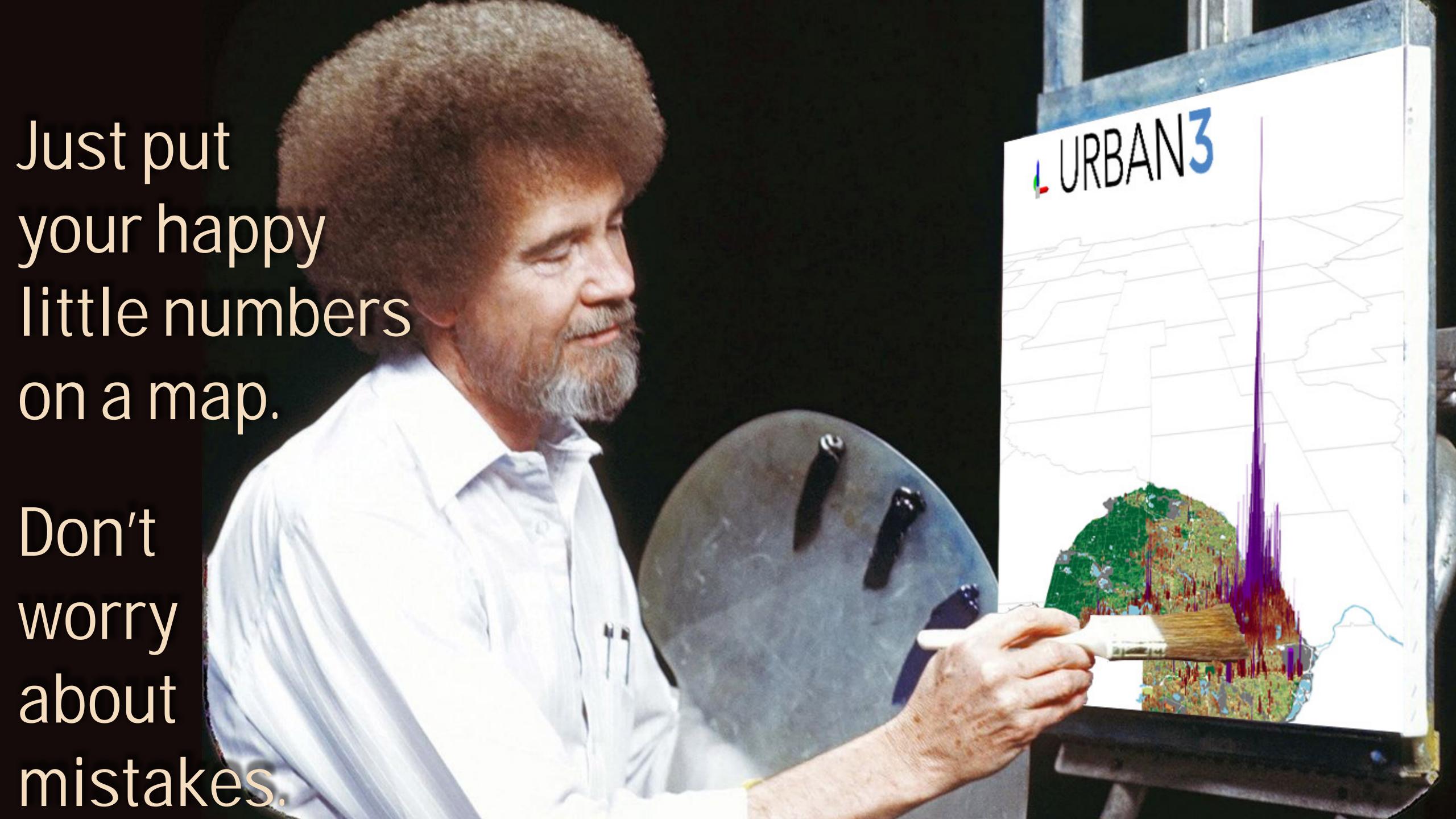


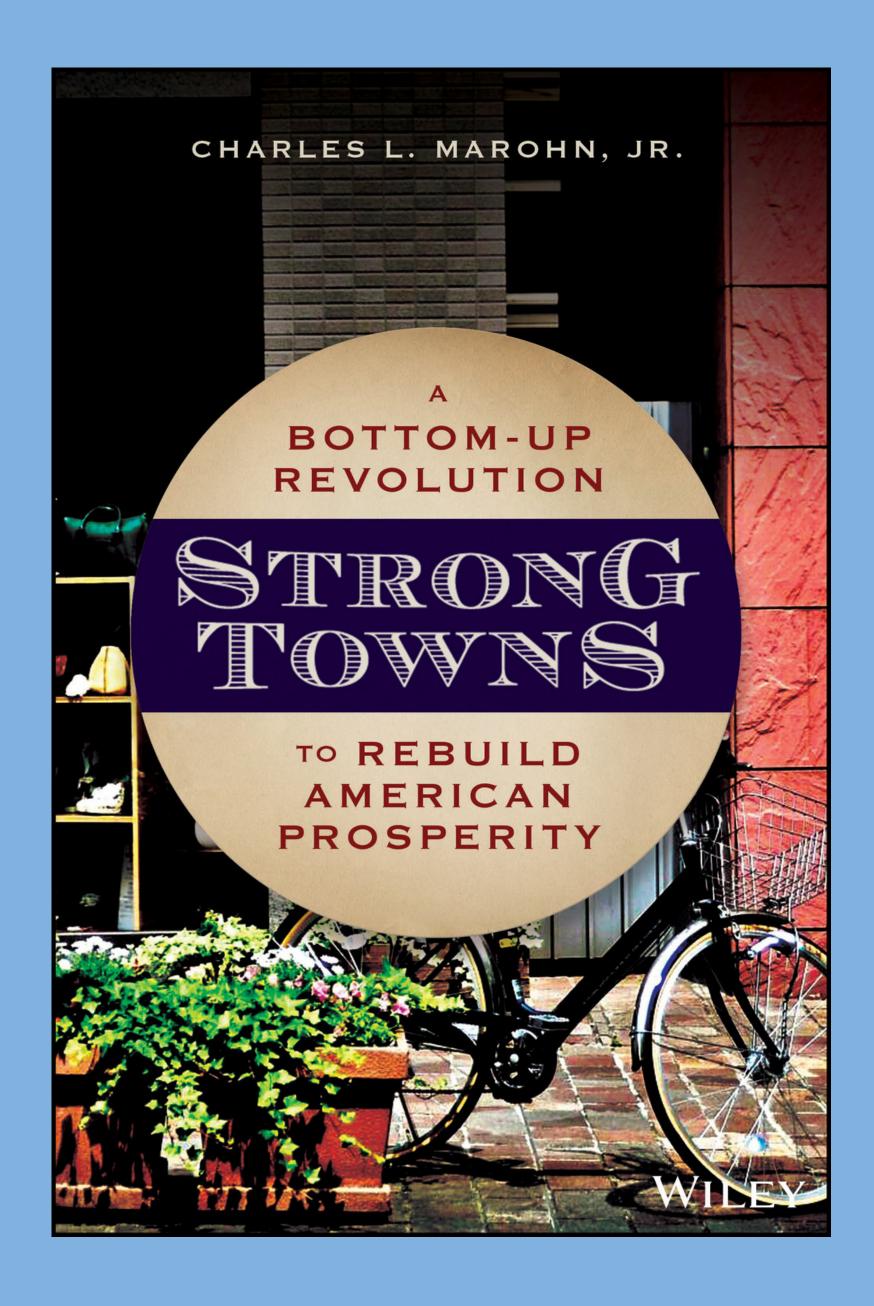


by Elizabeth Magie Phillips













# DO THE MATH

#### From the Outskirts to Downtown:

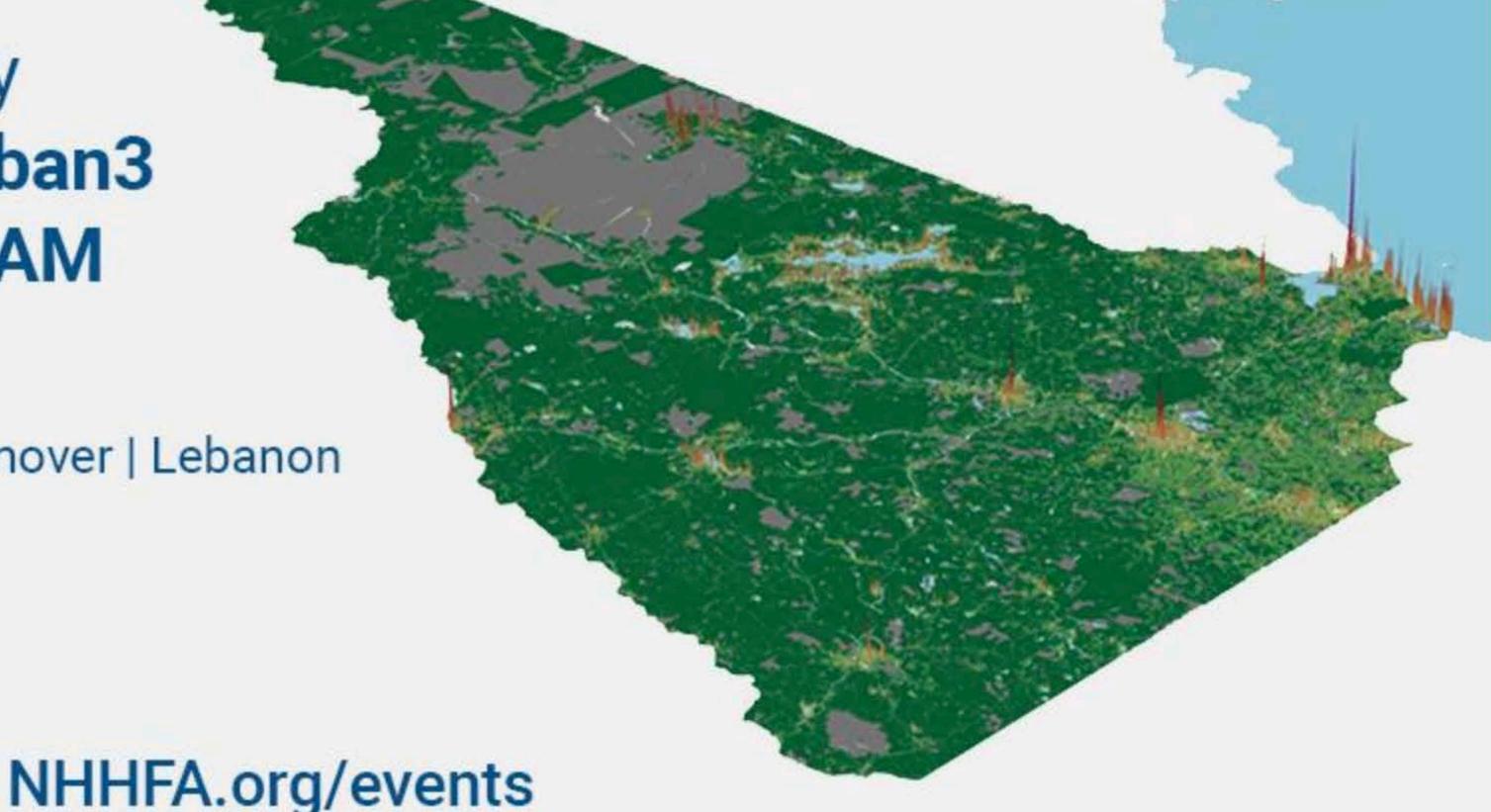
Taxes, Land Use & Value in Upper Valley Communities

A virtual presentation by Joe Minicozzi AICP | Urban3 October 29, 2020 at 11 AM

Hosted by

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Next:

## Questions?

