

Determining Broadband Truth

Lived-Experience of Millions of Americans

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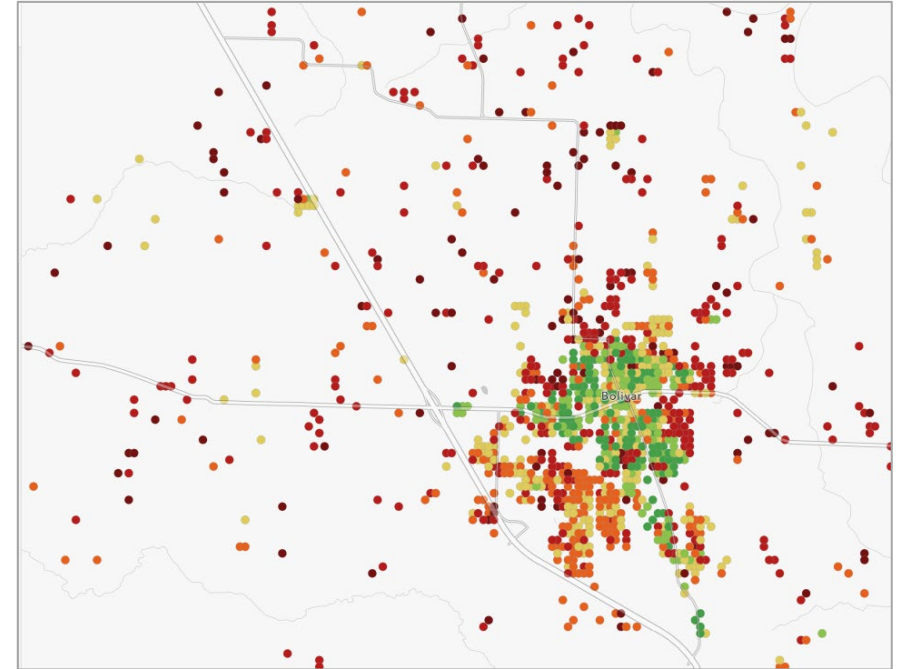


Crowdsourced speed tests deliver:

- Concrete availability maps
- Progress tracking for accountability



Based on Ookla® Speedtest Intelligence® for Fixed Networks



Millions of consumer-initiated speed tests

VS

Continuing to believe whatever the ISPs report

Require ISPs to prove their capabilities



Truth on the Ground Using Crowdsourced Data

Preponderance of evidence and statistical compensation overcome prevalent myths

***Myth A:** People in that area only subscribe to the low-speed packages.*

Reality: 25% to 33% of subscribers opt for the top speed offered.

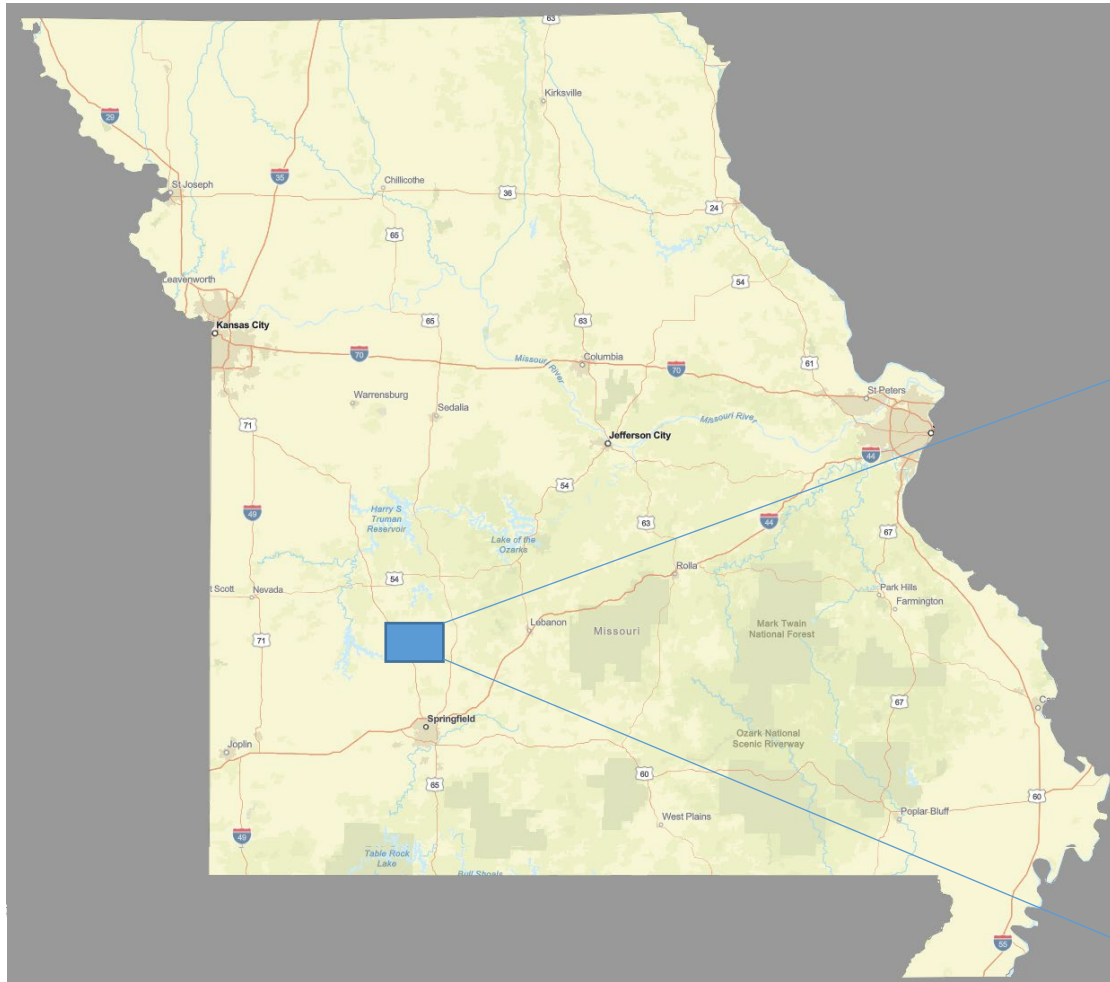
***Myth B:** Bad tests are because of poor Wi-Fi.*

Reality: We dropped speed tests with poor Wi-Fi signal strength. We also included tests from GPS-enabled wired devices.

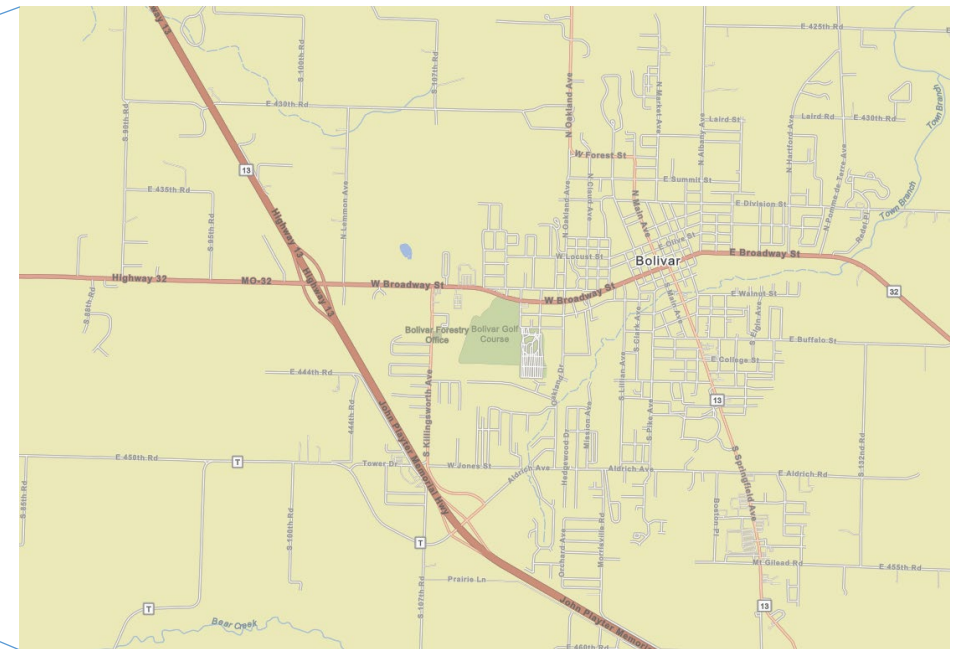
***Myth C:** People only run a test when there is a problem.*

Reality: We focus on the **maximum** speed tests. Network problems do prompt tests, as do resolutions of problems.

Example of Analysis



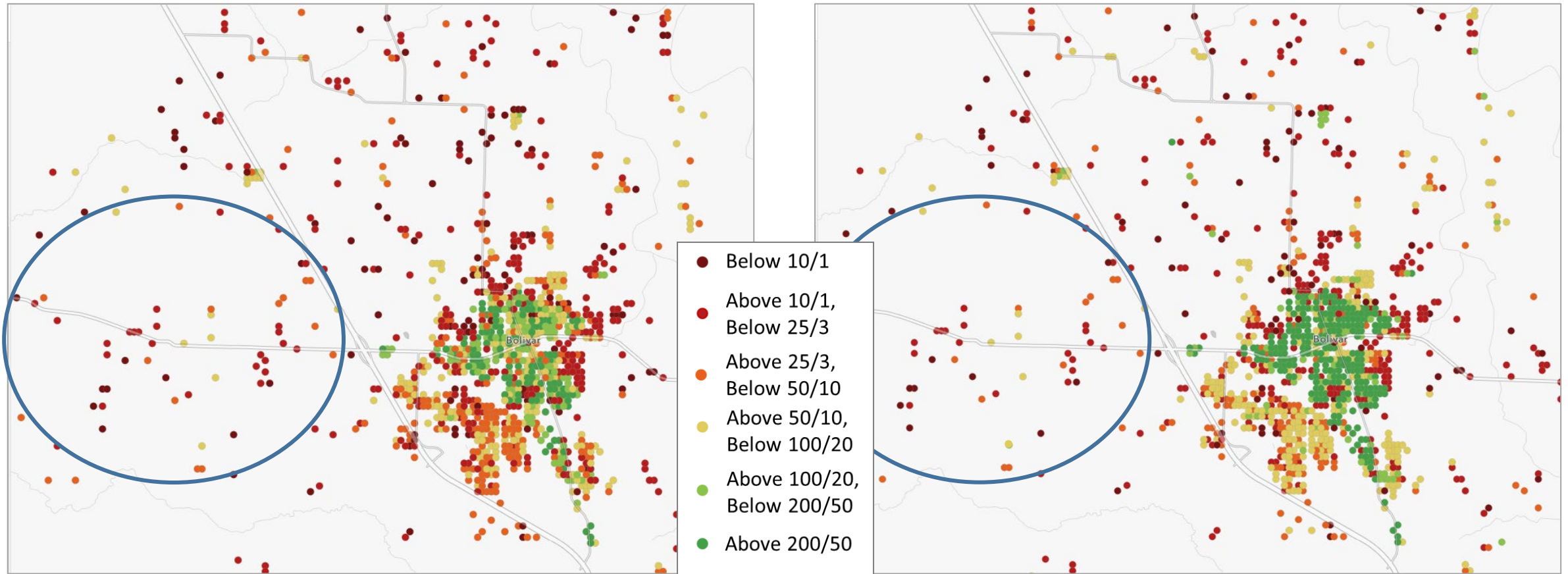
Bolivar Area



Ookla Locations – Bolivar Area

Observed Speeds @ Average

Observed Speeds @ Max

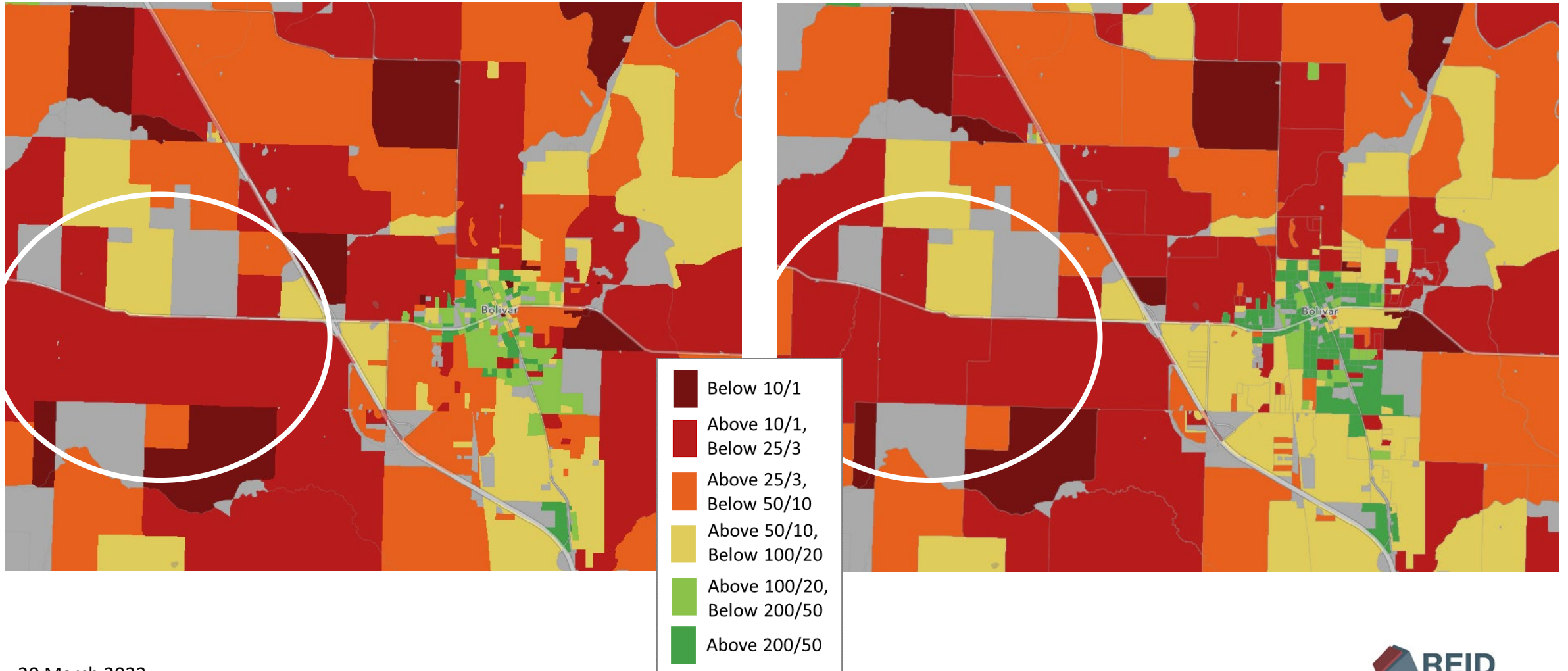


Preponderance of evidence clearly demonstrates that much of the rural area around Bolivar remains unserved

Ookla-Based Ratings – Bolivar Area

@ Average

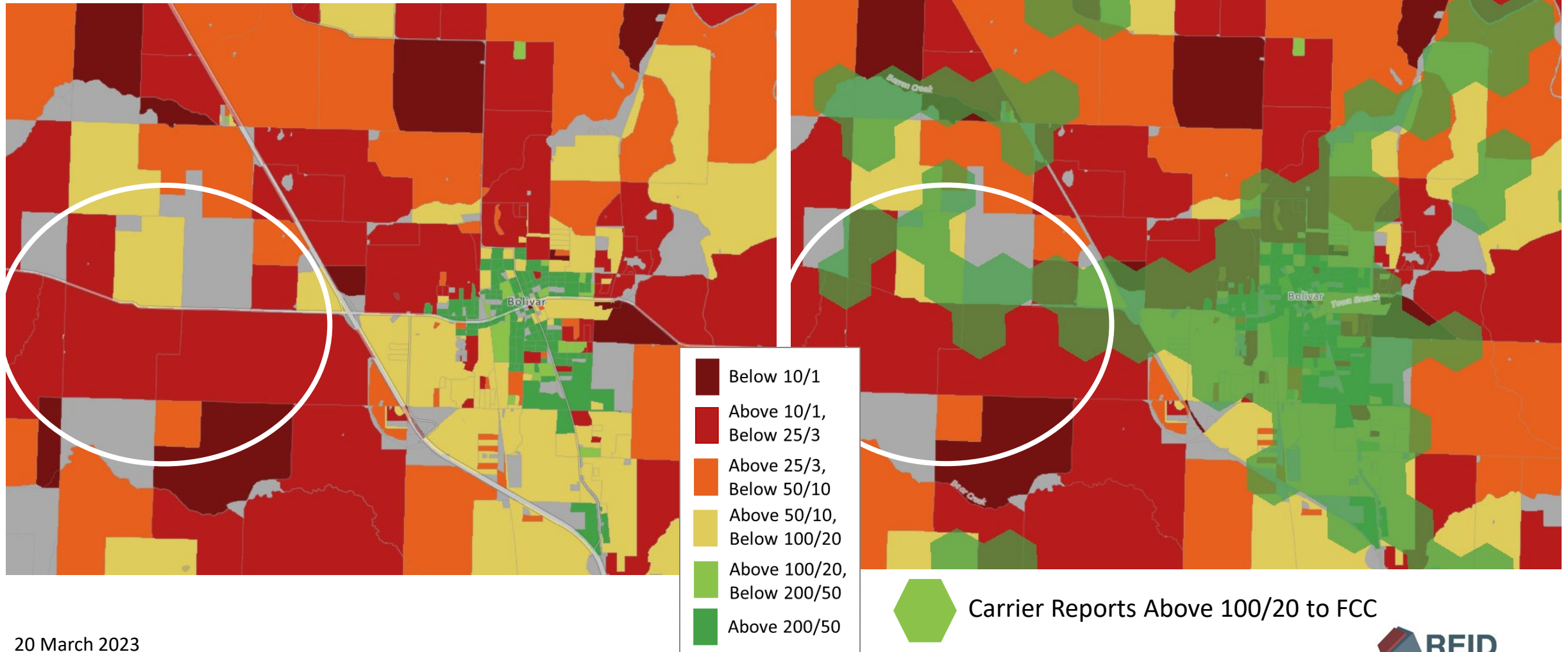
@ Max



Ookla-Based Ratings vs Carrier Claims to FCC Bolivar Area

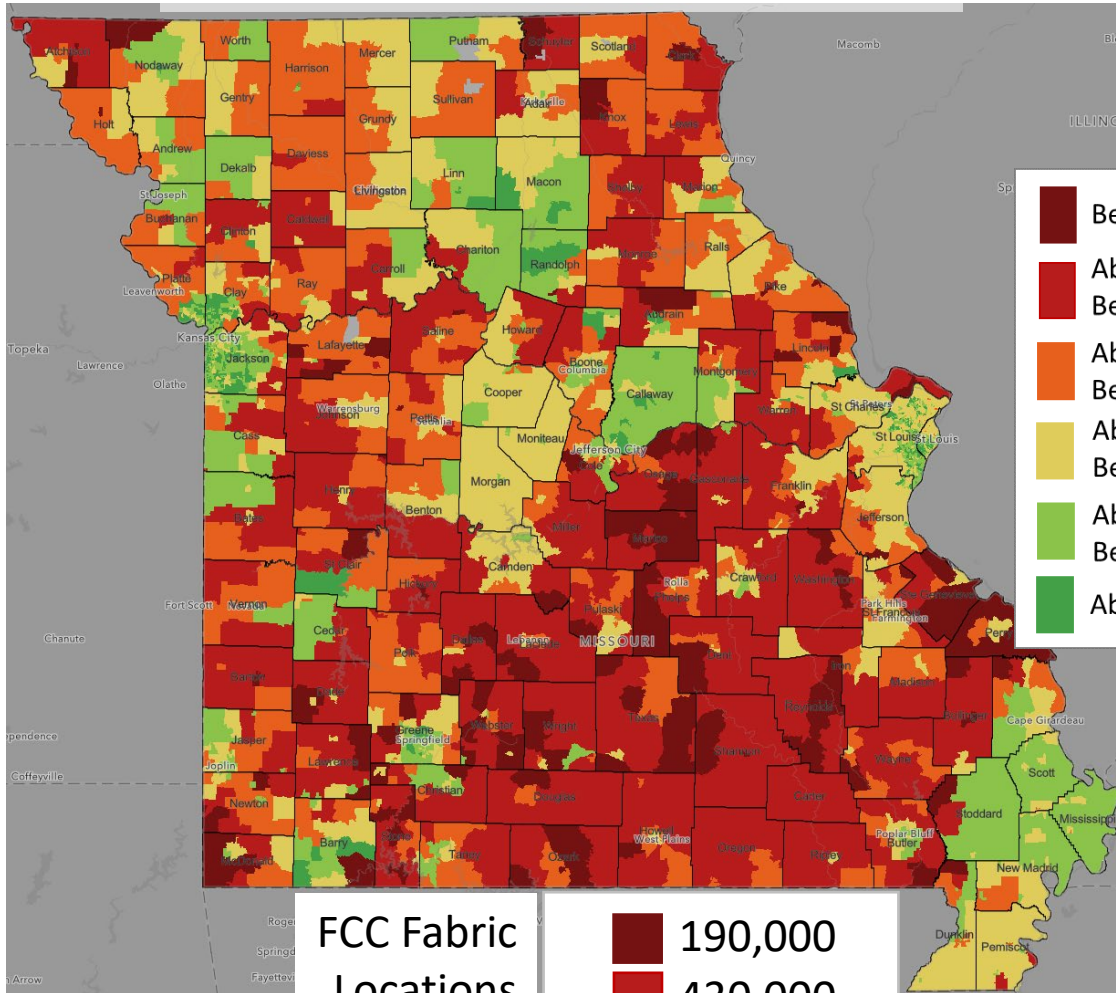
Speedtest Based @ Max

Overlay of Carrier Reported Over 100/20

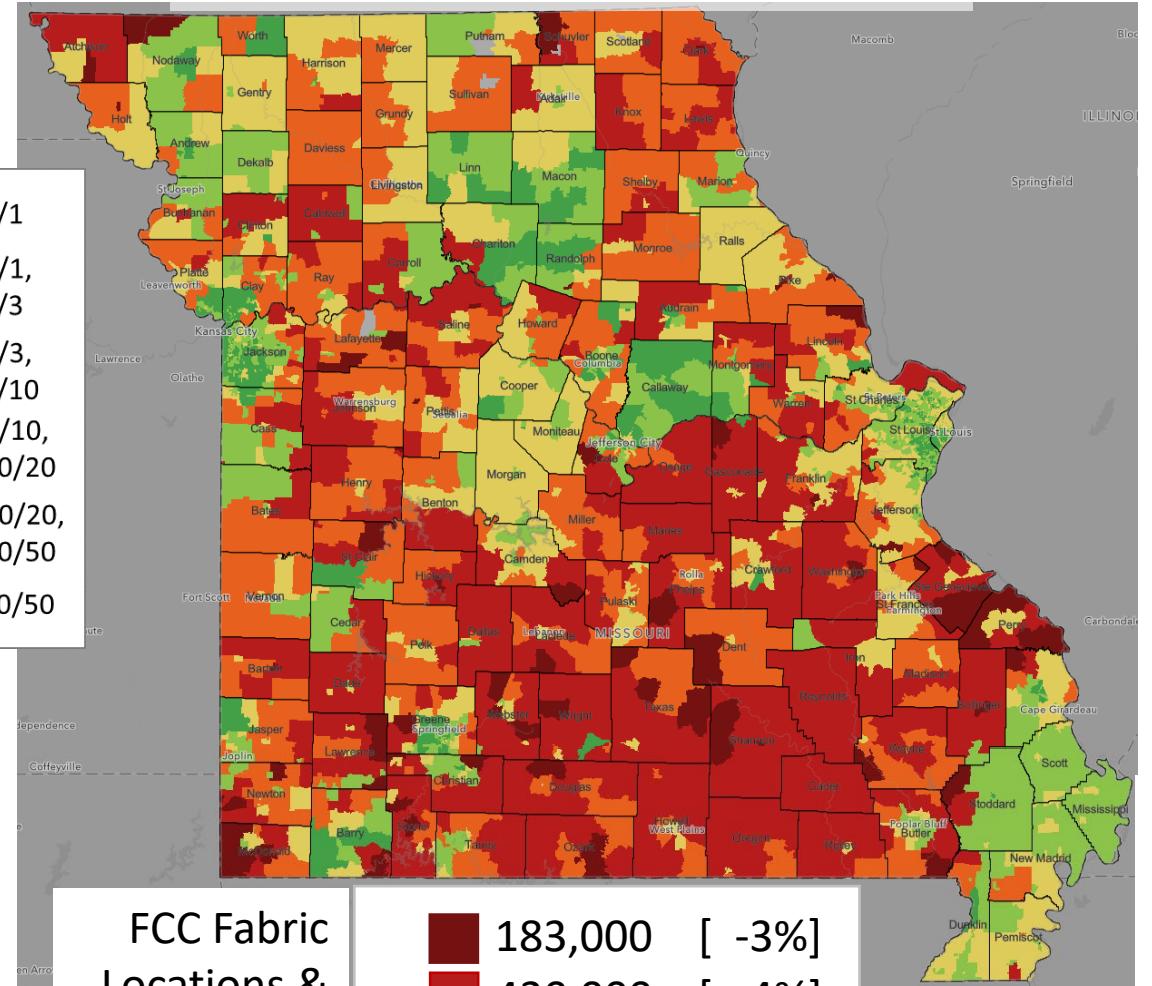
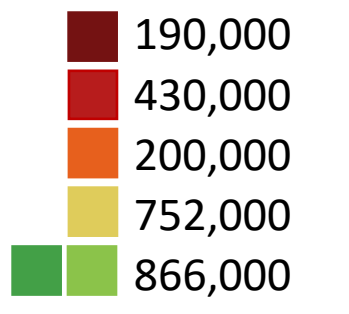


Missouri @ Average

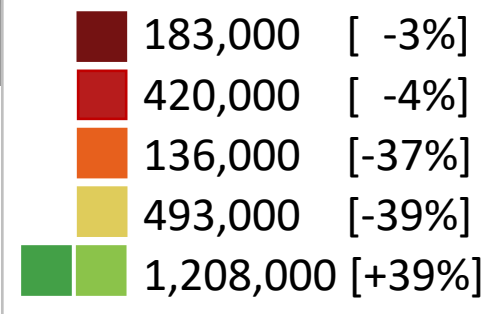
Missouri @ Max



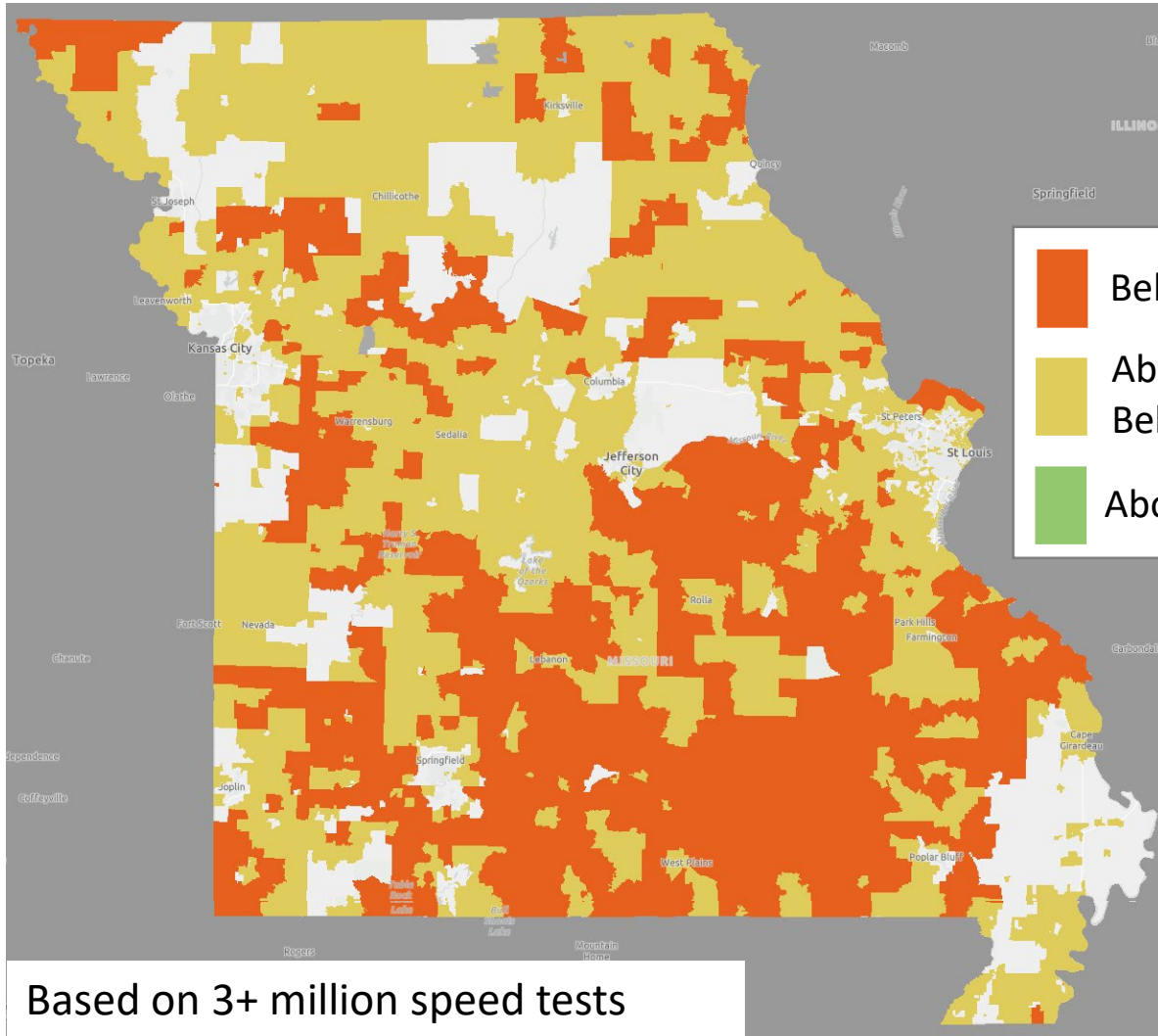
FCC Fabric Locations



FCC Fabric Locations & % Change from Avg

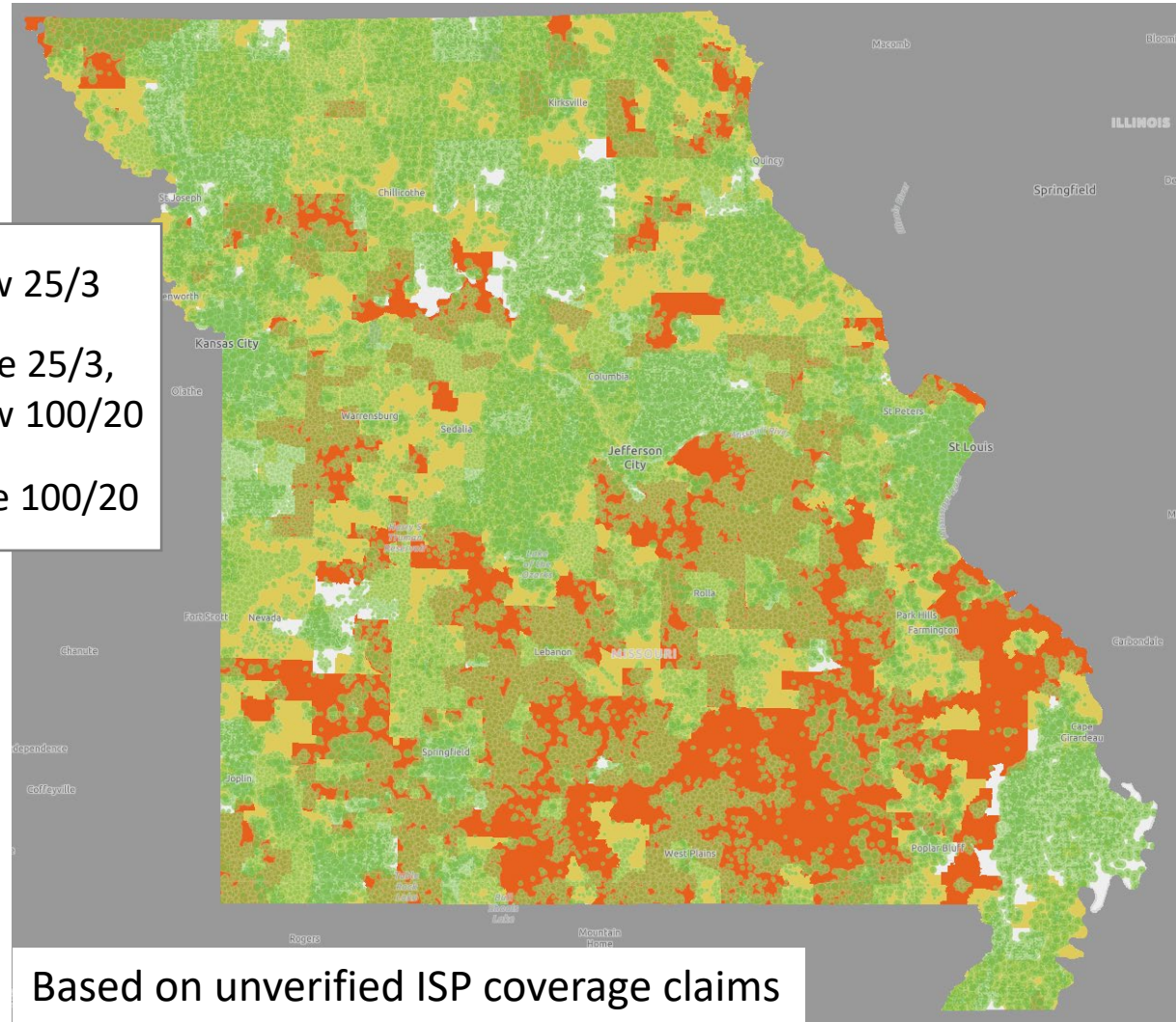


Missouri Reality @ Max



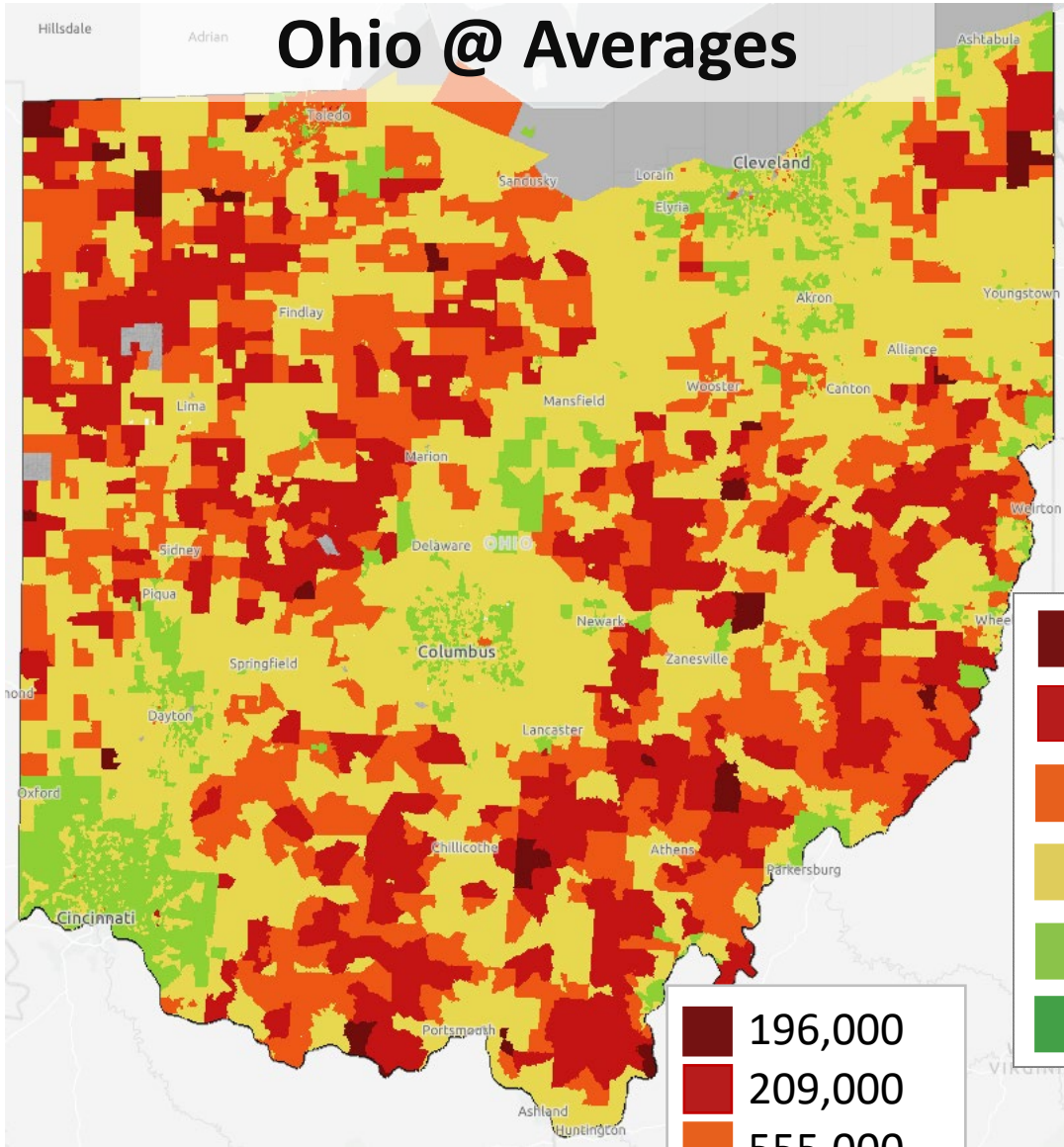
Based on 3+ million speed tests

Missouri in New FCC Map



Based on unverified ISP coverage claims

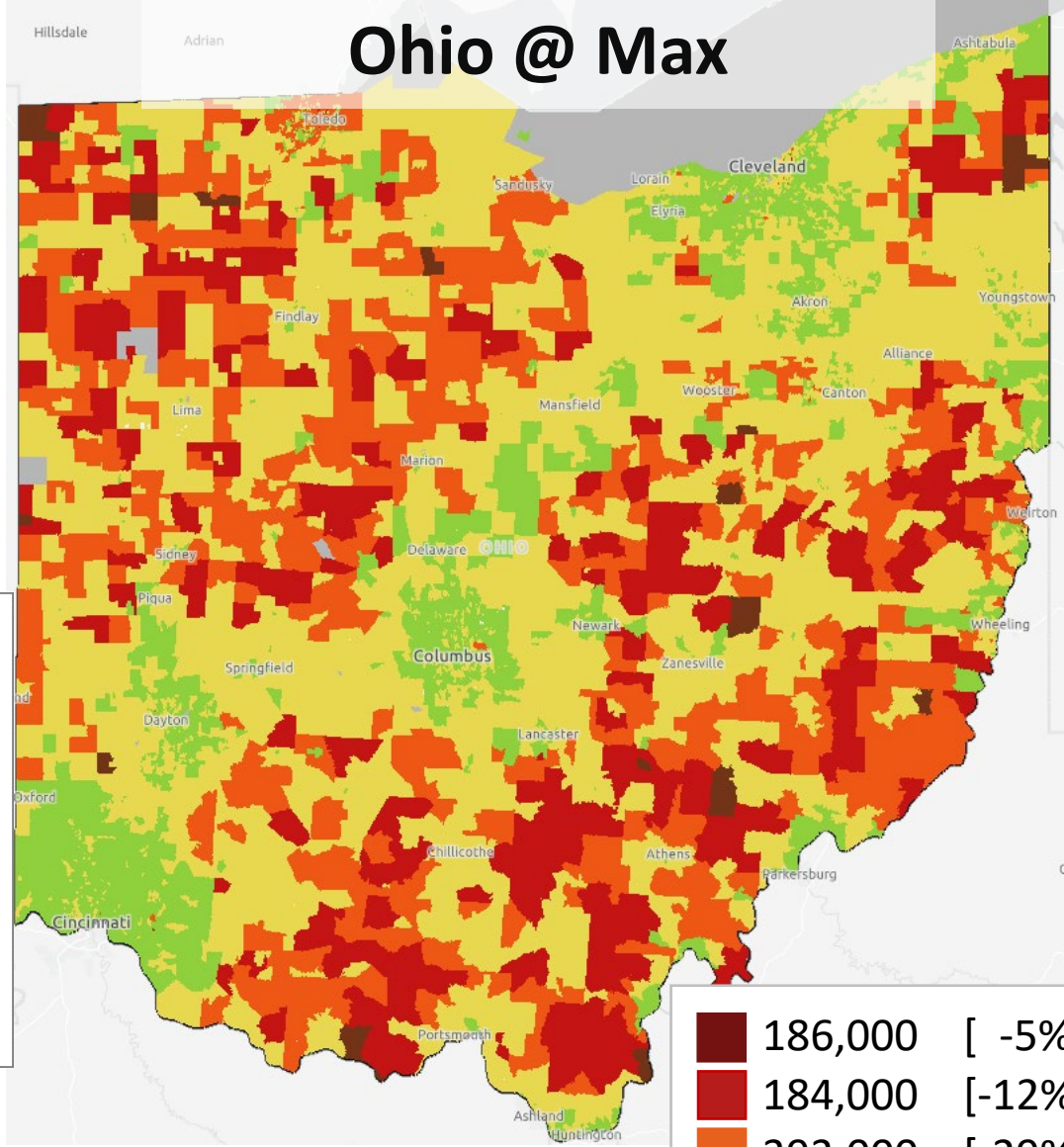
Ohio @ Averages



	196,000
	209,000
	555,000
	2,174,000
	1,297,000

FCC Fabric Locations

Ohio @ Max

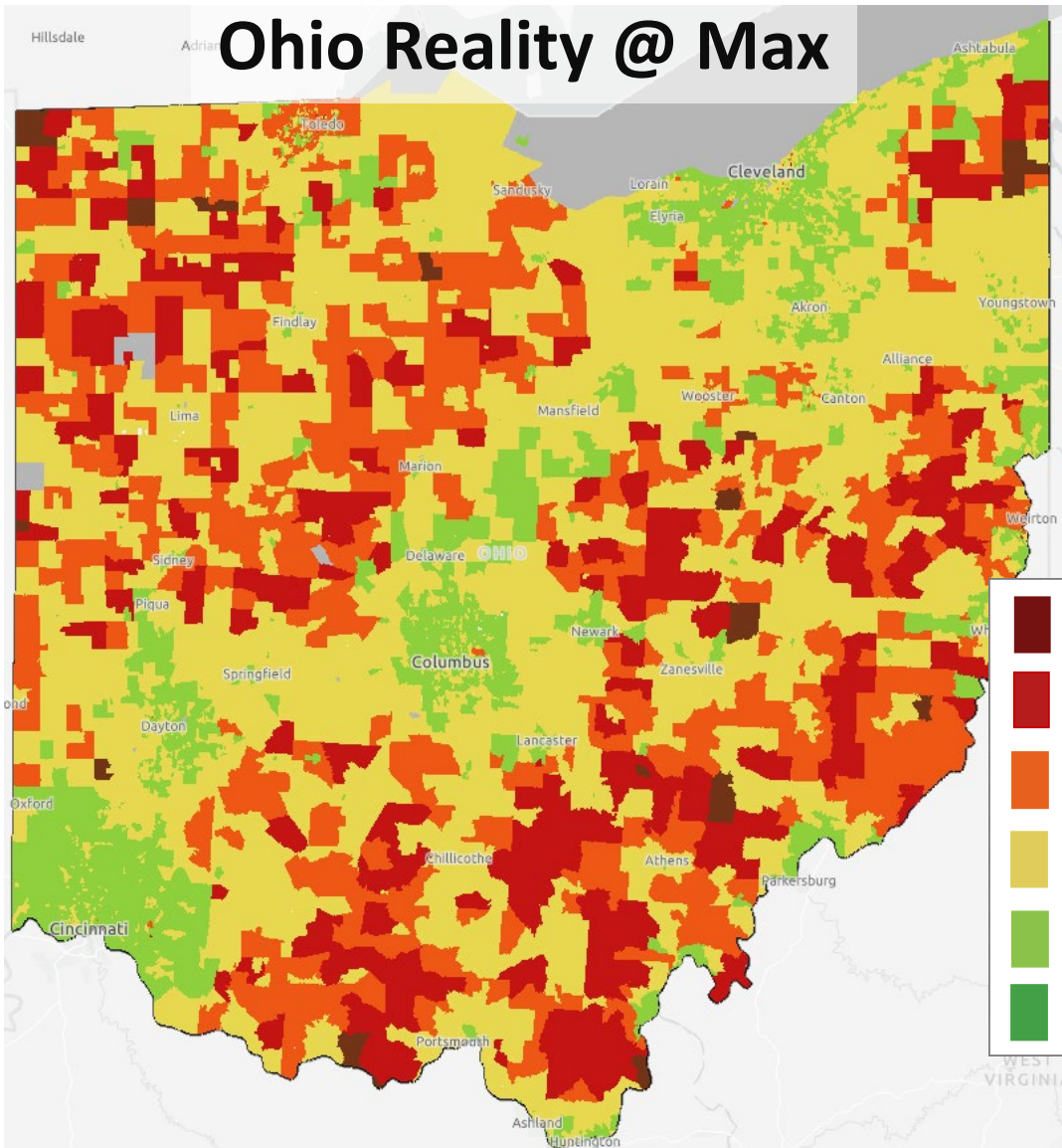


	186,000	[-5%]
	184,000	[-12%]
	393,000	[-29%]
	1,777,000	[-18%]
	1,892,000	[+46%]

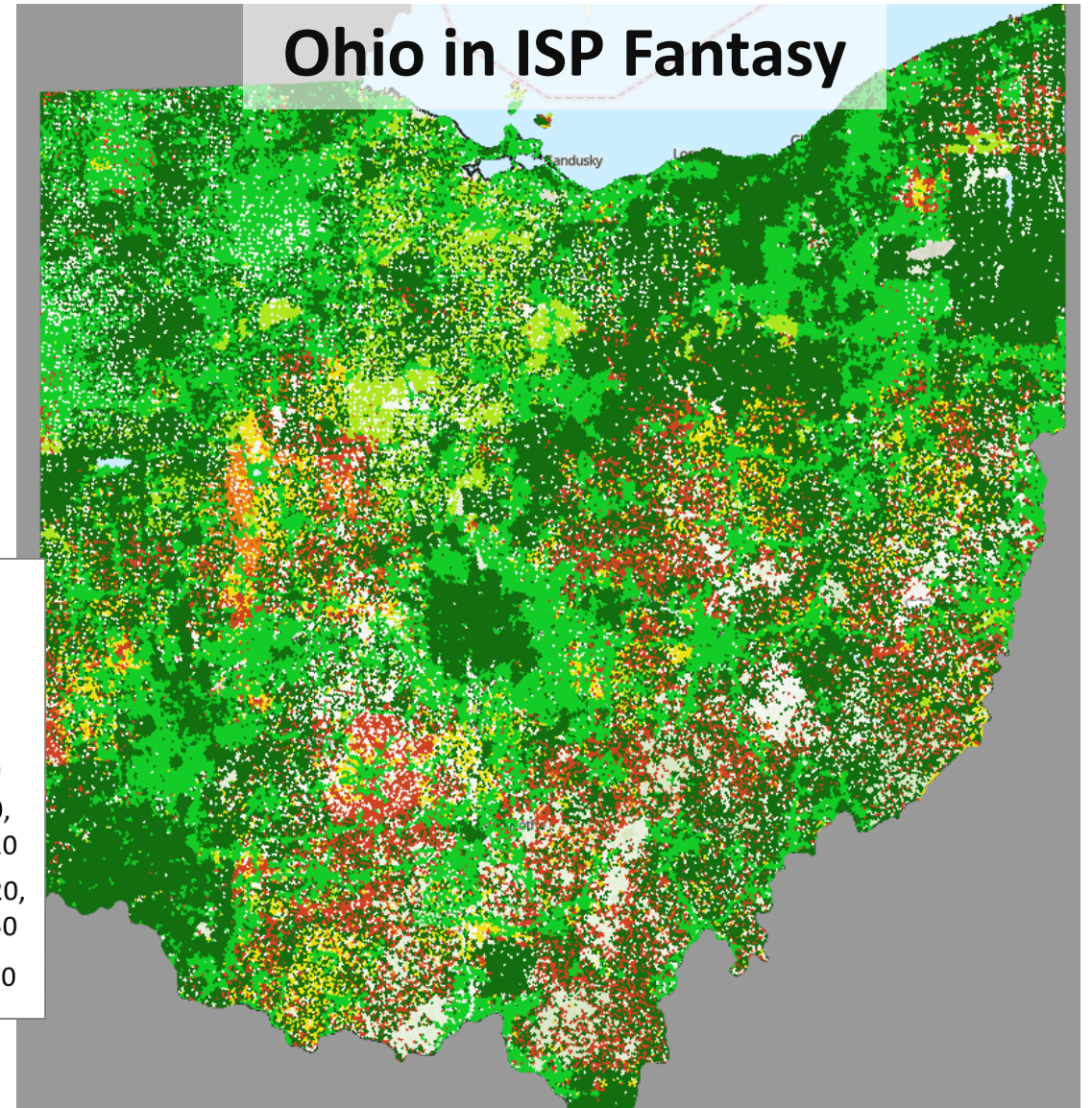
FCC Fabric Locations & % Change from Avg

20 March 2023

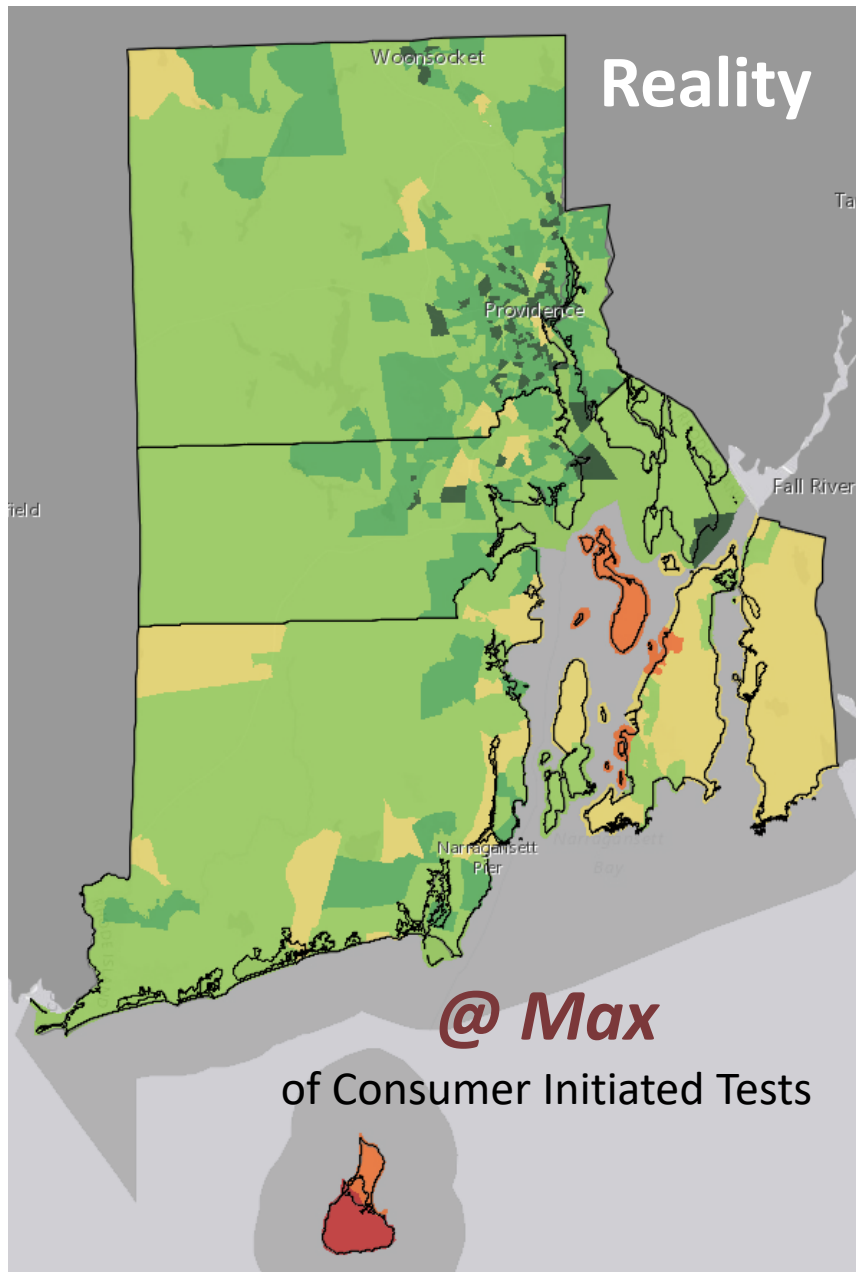




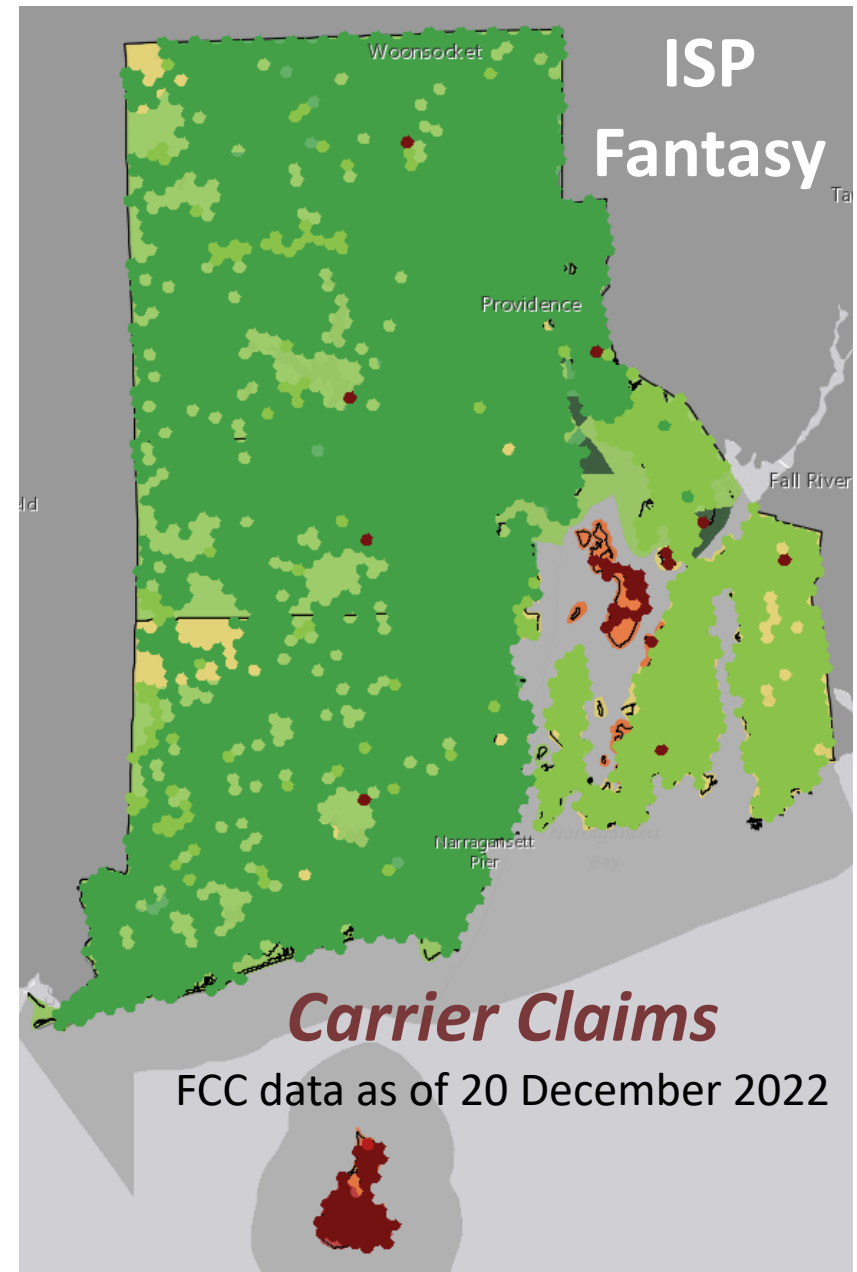
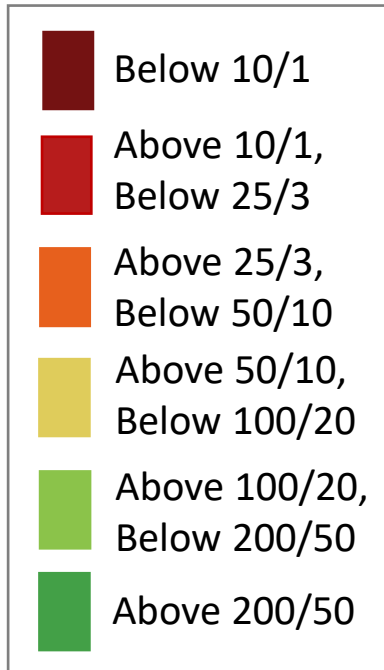
Based on 14+ million consumer-initiated speed tests



Based on unverified ISP coverage claims

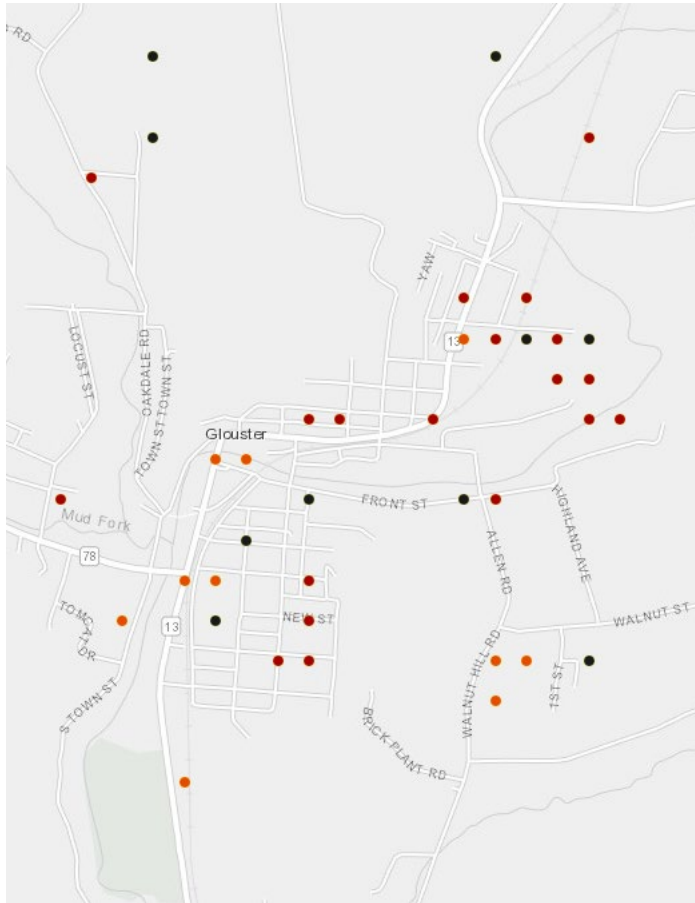


Rhode Island

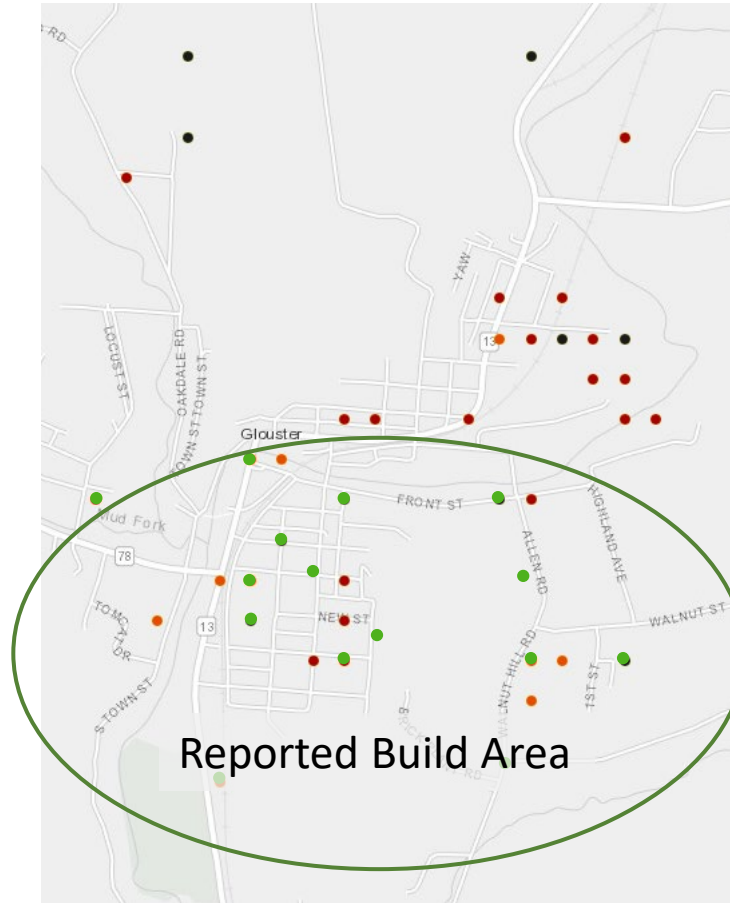


Tracking Progress to Establish Accountability

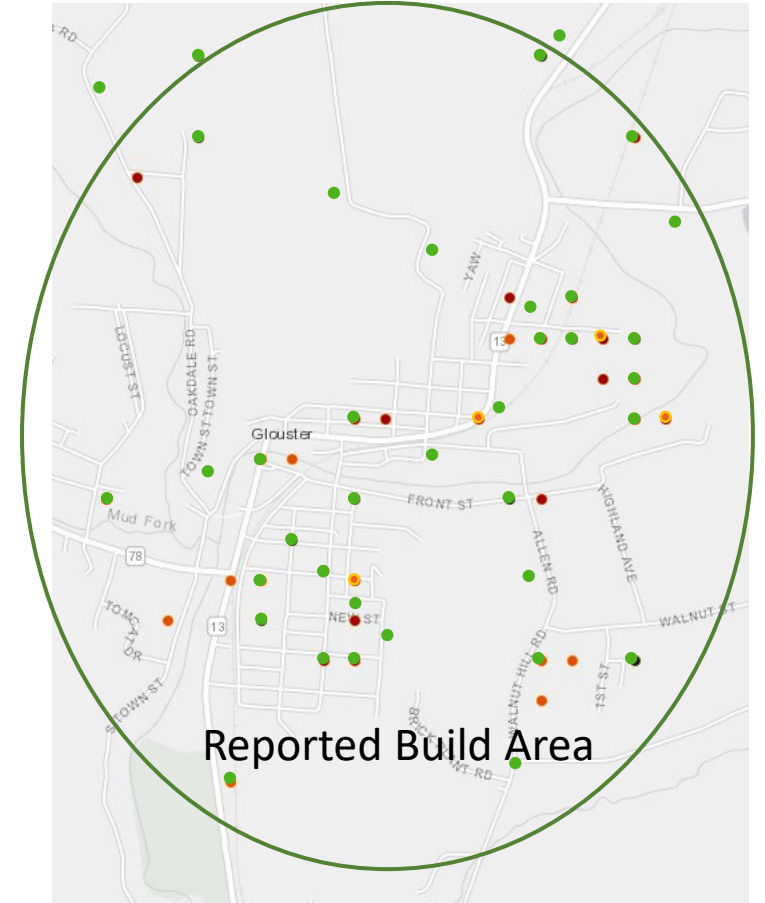
Proposal State



Mid-Project



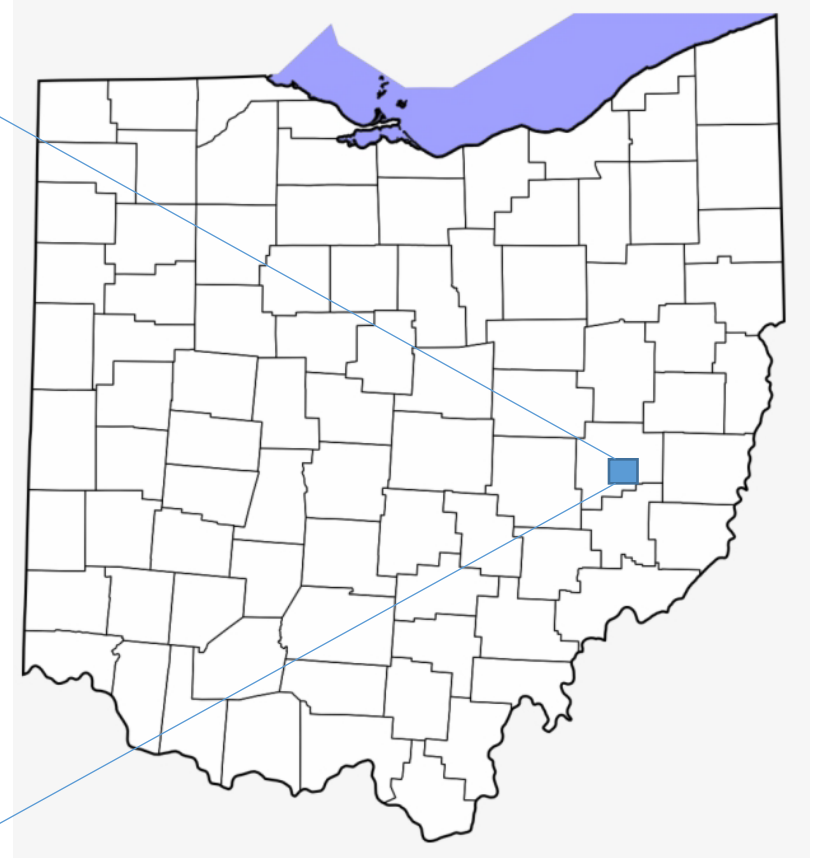
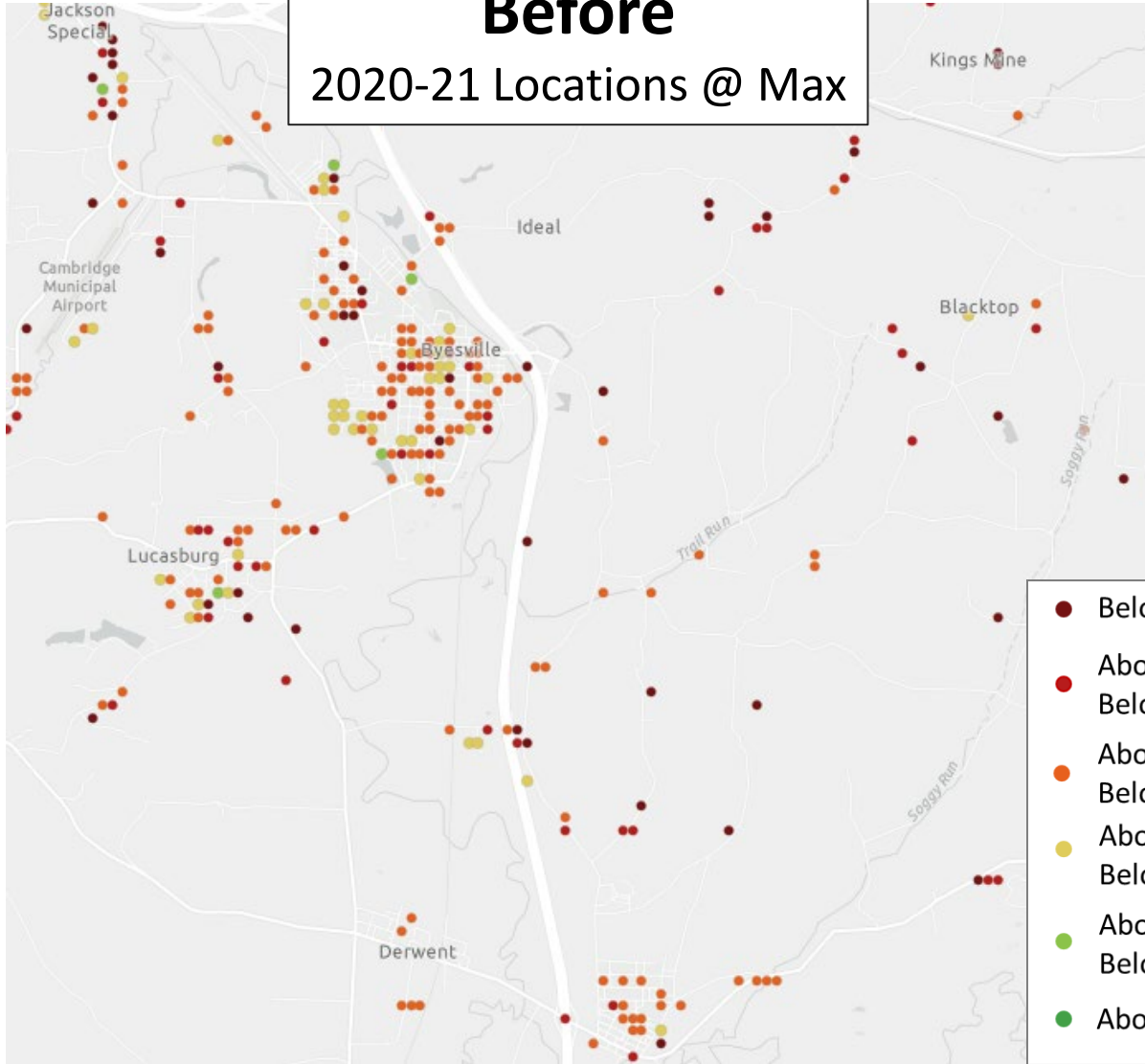
Project Completion



Could require such verification prior to milestone payments to grantees

Before

2020-21 Locations @ Max



Guernsey County Ohio

Area Awarded to Charter in RDOF

