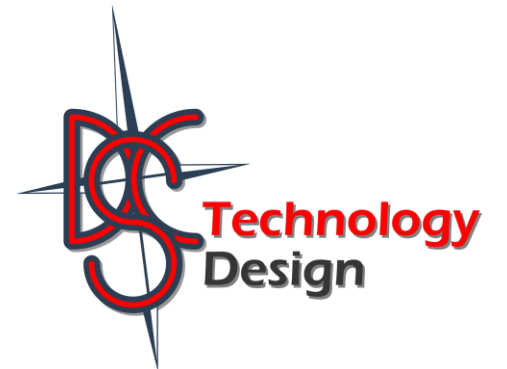




St Joseph County
Rural Broadband Inventory Survey
Results
June 11, 2024



What is “Broadband”

When this project started, the FCC defined Broadband as 25 Mbps download and 3 Mbps upload

The NTIA defines it as 100 Mbps download and 20 Mbps upload

The FCC just adopted that standard March 14th, 2024

The BEAD Program will require 100/20, but scalable to 100/100 Symmetrical



Who are the Broadband Internet Service Providers (ISPs) in St Joseph County

Comcast (Xfinity)	HFC 1200/30 or 2000/200
Charter (Spectrum) Communications	HFC 1000/35
Midwest Energy & Communications (MEC)	Fiber 1000/1000
Frontier Communications	Fiber 5000/5000
Mercury Broadband	Fiber 1000/1000



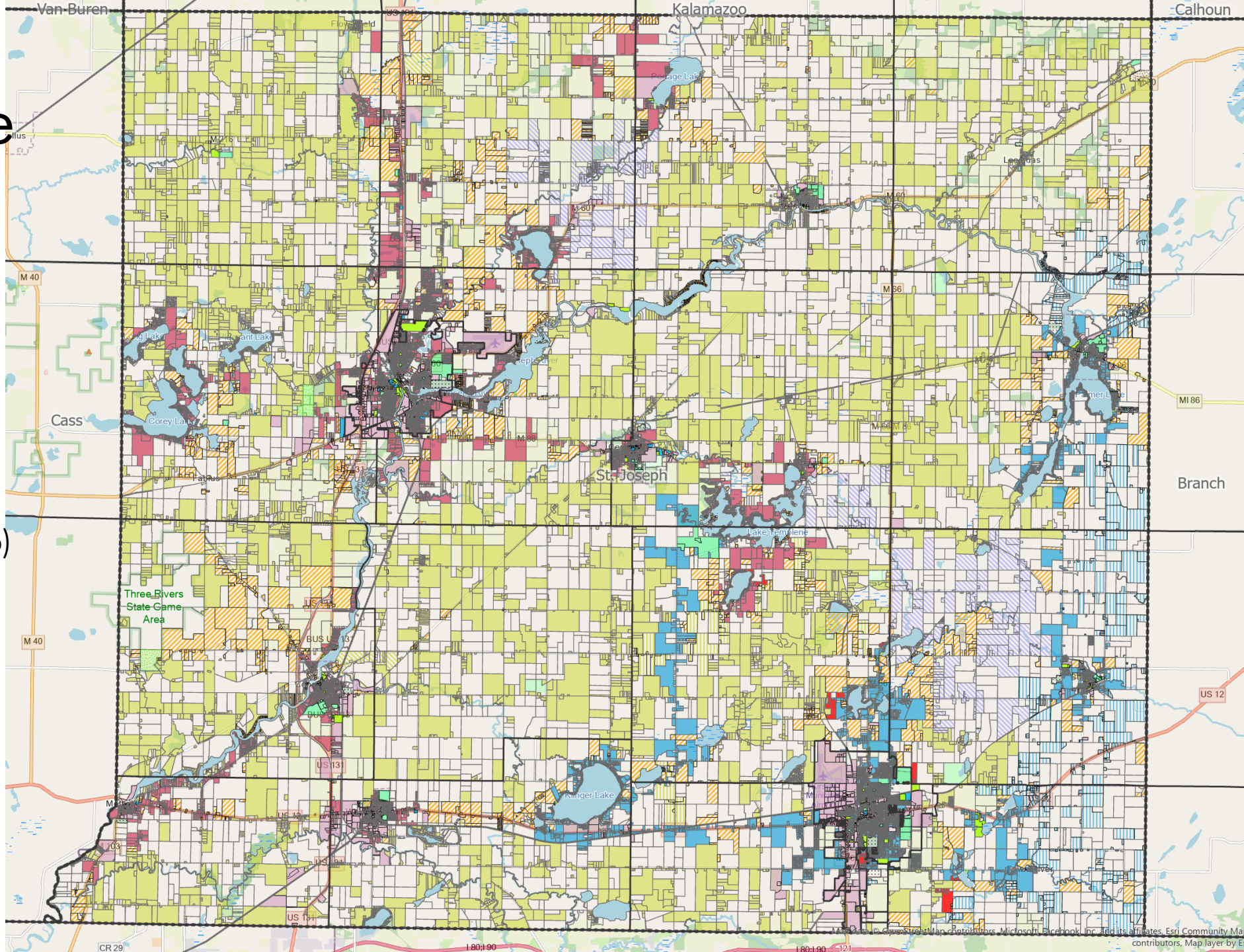
ISP Coverage Today

35,560 Parcels

8,821 Unoccupied

26,739 Occupied

~3,100 Unserved (~12%)



ISP Coverage Today

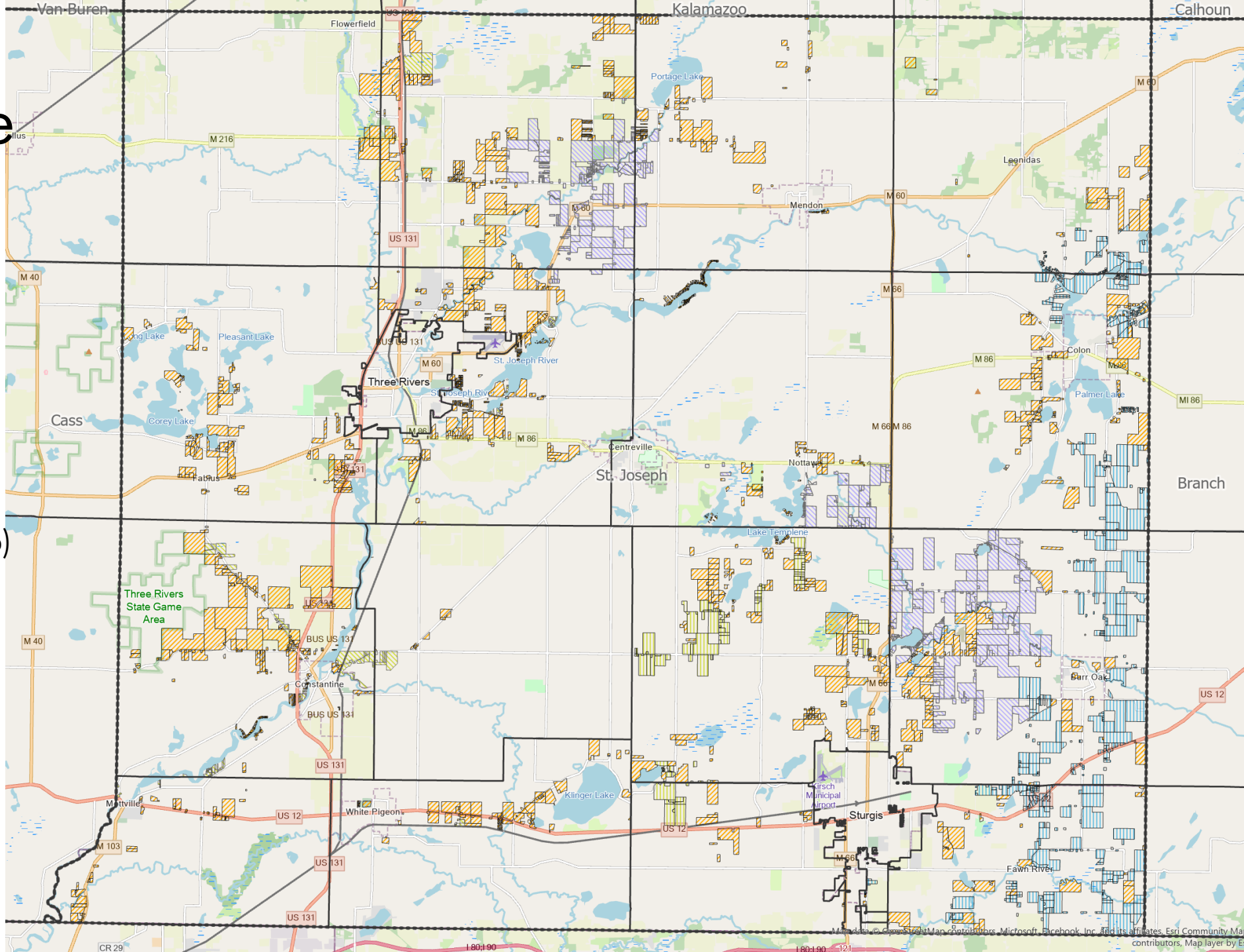
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>1,300 Funded, under construction*



ISP Coverage Today

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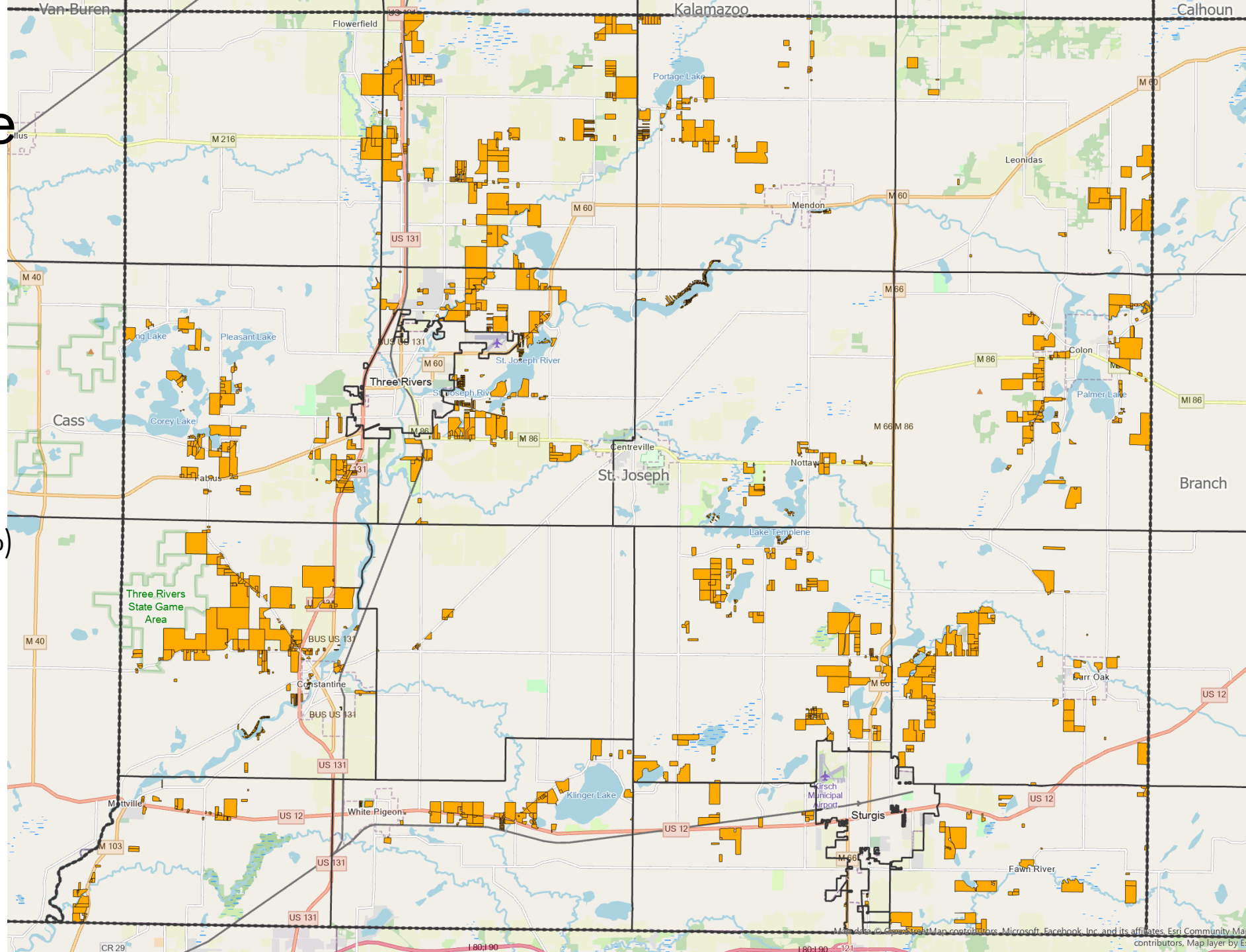
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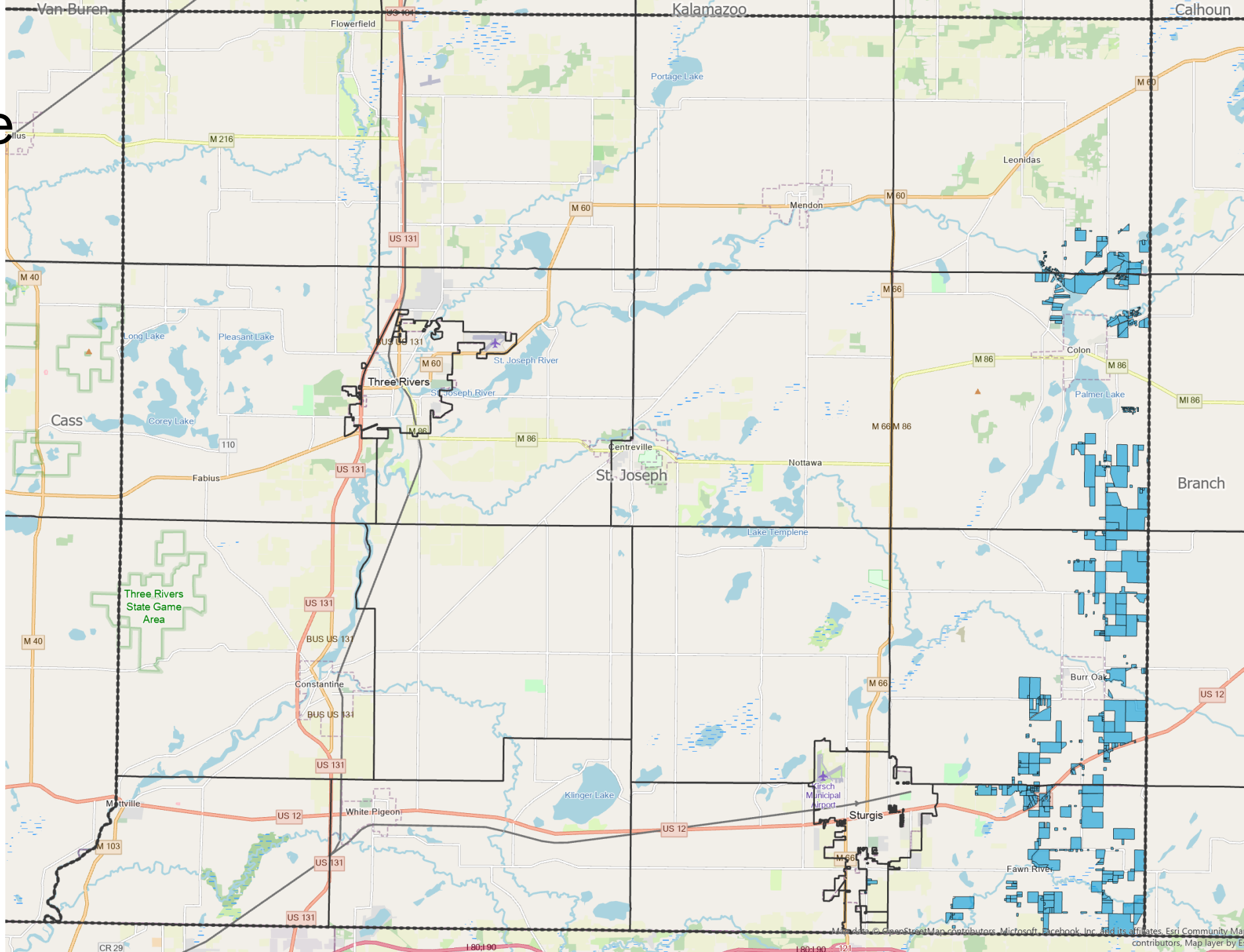
1,837 Unserved



ISP Coverage Today

ROBIN Batch 2

Current status is 560












How to read the maps










How to Read the Maps



Service Provider Key

Comcast	
Charter	
MEC Fiber	
Frontier	
Mercury Broadband	
MEC RDOF	
Mercury RDOF	
MEC ROBIN	
Charter ROBIN	

Parcel Key

Unoccupied (AG, Wooded, etc)	
Unserviced	
Community	
Schools	
Parks/Public Spaces	
Commercial/Industrial	
Healthcare/Hospitals	
Cemetery	










How to Read the Maps



- Unoccupied – Wooded areas (including state or federal park or preserve areas), farmland, vineyards, orchards, wetlands, and other areas that have no current requirement for Broadband Services. This also includes planned residential parcels, individual or within a platted subdivision, that has not yet been permitted for construction.
- Unserved – Parcels that have no access to Cable or Fiber are identified as un-served, indicated with an Orange hatch pattern. Some of these parcels may have access to DSL, or some type of wireless technology for Internet, but none of these technologies are considered high speed Broadband by current standards, and therefore considered eligible for many of the current and emerging Broadband Grant programs.

Parcel Key

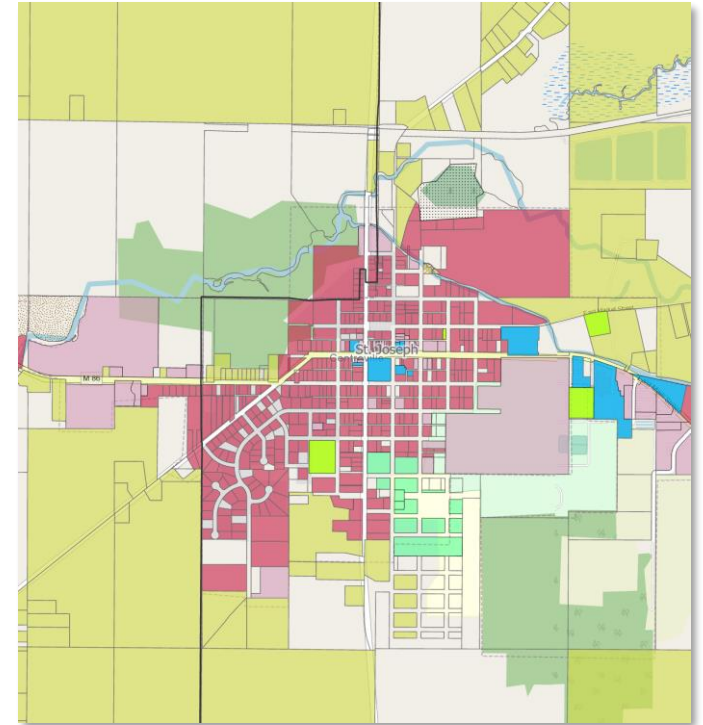
Unoccupied (AG, Wooded, etc)	
Unserved	
Community	
Schools	
Parks/Public Spaces	
Commercial/Industrial	
Healthcare/Hospitals	
Cemetery	



How to Read the Maps



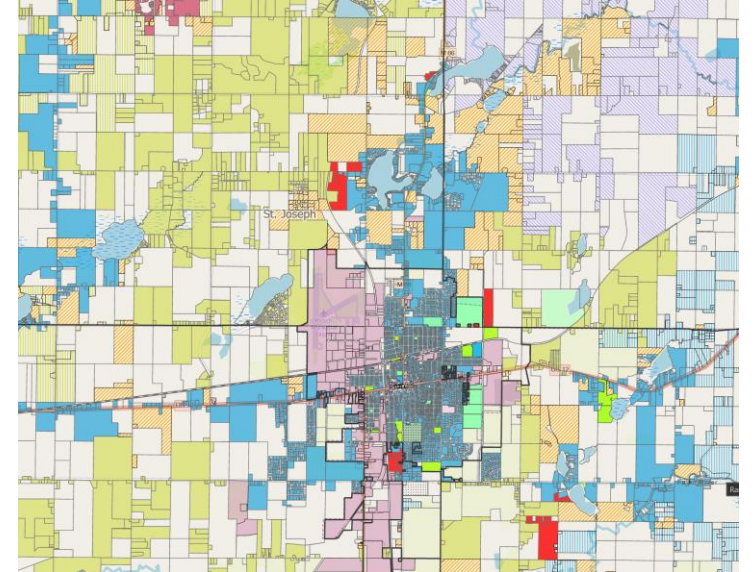
- Community Parcels – Township Halls, Police, Fire Departments, Libraries, and other “Community Anchor Institutions” have been separately identified for future planning purposes. Community Parcels may or may not be served, which can be determined by the parcel status immediately around them.
- Schools – All schools are considered served but have been identified separately so that this tool may be used for future educational network planning.
- Parks/Public Spaces – Identified separately and are classified as “serviceable” but may require special consideration if having service to them is a requirement.
- Commercial/Industrial/Healthcare – Industrial Parks, Commercial Districts, Hospital campuses, and other large businesses are classified separately since they will typically have multiple commercial options for Internet and Business Networking requirements.



How to Read the Maps



- Service Provider – Each parcel that is serviceable by Cable or Fiber is identified by a provider. In areas where there are multiple providers, the more current technology will indicate that the parcel is serviceable.
- RDOF Parcels – Symbolized with a reverse hatch and unique color based on the service provider, RDOF parcels are at various stages of construction and should be completed by 2026. When an RDOF parcel has been completed and becomes serviceable, the symbol is changed to a solid color representing its service provider.
- ROBIN Parcels – Symbolized with vertical hatching, the first round of awards is underway while the Batch 2 is still waiting for finalizing by the MiHI office.



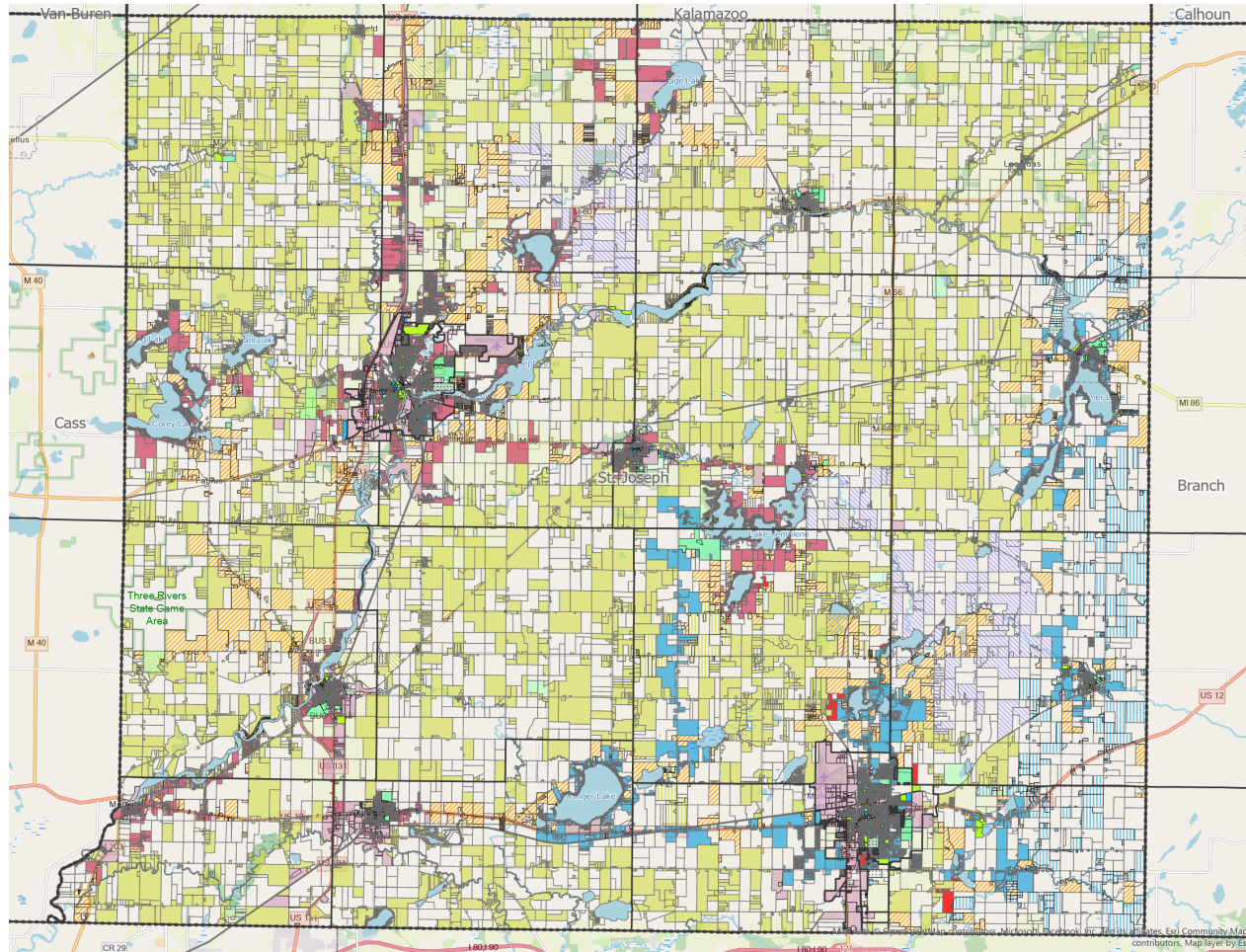
How to Read the Maps

- Existing Cable Service Areas – (Comcast and Charter) All coax-based networks that can currently support the minimum standard of 100 Mbps download and 20 Mbps upload speeds, meeting current minimum requirements for NTIA and BEAD. All these areas are potentially scalable to gigabit speeds which is an additional requirement for funding any extensions on this type of network.
- Existing Fiber Optic Networks – (MEC) using different transmission methods, all fiber networks today should be capable of Gigabit speeds and scalable to multi-gigabit speeds in the future, meeting all technical requirements for current funding programs.
- Other parcel classifications – For the purpose of accuracy, there are 35,560 parcels that were included in this study that need to be categorized. Some parcels that have addresses like DNR and other state-owned land, and other special use like cemeteries do not necessarily fit in the general served/unserved requirements, so they are identified separately so that the total number of parcels in the county can be validated.



The Map

Click on the map



Questions?

