



# MARATHON COUNTY BROADBAND TASK FORCE MEETING

## Agenda

Date & Time of Meeting: **Monday, August 22, 2022, at 3:00 P.M.**

Meeting Location: **Assembly Room, Marathon County Courthouse, 500 Forest St, Wausau, WI**

**Task Force Members:** Chair John Robinson, Jacob Langenhahn, Gary Gisselman, Mike Ritter, Jennifer Aarrestad, Tony Sherfinski, Eric Budleski, Milton Olson, Wade Carroll, Kurt Schoenroch, Jon Euting

**Task Force Purpose:** *Develop recommendations identifying the potential role of Marathon County in facilitating the expansion of broadband access in Marathon County. Review the Report: Broadband for Marathon County Broadband Assessment and Plan prepared by Design Nine and develop broad policies and partnership recommendations relating to the expansion of broadband/internet services throughout Marathon County.*

The meeting site identified above will be open to the public. However, due to the COVID-19 pandemic and associated public health directives, Marathon County encourages Task Force members and the public to attend this meeting remotely. Instead of attendance in person, Task Force members and the public may attend this meeting by **telephone conference**. If Task Force members or members of the public cannot attend remotely, Marathon County requests that appropriate safety measures, including adequate social distancing, be utilized by all in-person attendees.

**Phone #: 1-415-655-0001**

**Access Code: 120 112 4516**

When you enter the telephone conference, **PLEASE PUT YOUR PHONE ON MUTE!**

1. **Call Meeting to Order**
2. **Public Comments (15 Minute limit)**
3. **Approval of the July 25, 2022, Broadband Task Force Meeting Minutes**
4. **Educational Presentations and Committee Discussion:**
  - A. Update on Grand Funded Broadband Projects
    1. Frontier (PSC 2022)
    2. Bug Tussel (PSC 2022)
    3. Cirrinity (PSC 2021)
    4. Charter (RDOF)
    5. LTD (RDOF)
  - B. Status Report on Bug Tussel’s Project
  - C. Speed Test Update
5. **Policy Discussion and Possible Action:**
  - A. Approach to Funding Sources: County, State, and Federal
    1. NTIA Middle Mile Grant
    2. Broadband Equity, Access, and Deployment (BEAD) Program
    3. American Rescue Plan Act
    4. Other Grants: REConnect Loan and Grant Program | USDA
  - B. Process for determining priorities for future broadband expansion efforts
    1. Target Areas Based on Speed Test
    2. Other Factors
6. **Next Steps**
7. **Next Meeting: September 26, 2022**
8. **Adjournment**

*“Any person planning to attend this meeting who needs some type of special accommodation in order to participate should call the County Clerk’s Office at 715-261-1500 or e-mail [countyclerk@co.marathon.wi.us](mailto:countyclerk@co.marathon.wi.us) one business day before the meeting.*

**SIGNED** /s/ John Robinson  
Presiding Officer or Designee

NOTICE POSTED AT COURTHOUSE

Emailed To: Wausau Daily Herald, City Pages, and  
Other Media Groups

Emailed By: T. Ranallo 8/19/2022 3:00 p.m.

BY: T. Ranallo 8/19/2022 3:00 p.m.



**MARATHON COUNTY  
BROADBAND TASK FORCE MEETING  
Minutes**

**Monday, July 25, 2022, at 3:00 P.M.  
Webex/Assembly Room, 500 Forest St, Wausau WI**

<b>Members</b>	<b>Present/Web-Phone</b>	<b>Absent</b>
Chair John Robinson	P	
Jacob Langenhahn	W	
Gary Gisselman	P	
Mike Ritter	P	
Jennifer Aarestad	P	
Tony Sherfinski	P	
Erick Budleski	W	
Milton Olson	P	
Wade Carroll		x
Kurt Schoenrock		x
Jon Euting	W	

**Also Present:** Valerie Carrillo, Gerry Klein, Kristin Lambrecht

**VIA Web or Phone:** Alyssa Kenney, Celeste Flynn, Jean Maszk, Scott Nyman, Scott Bohler, Noor Hassan, Lance Leonhard

1. **Call Meeting to Order:** Chair Robinson called the meeting to order at 3:01 p.m.
2. **Public Comments** (15 Minute limit) - None
3. **GISELMAN MAKE A MOTION; SECOND BY OLSON TO APPROVE THE March 28, 2022, May 23, 2022, and June 25, 2022, BROADBAND TASK FORCE MEETING MINUTES. MOTION CARRIED.**
4. **Educational Presentations and Committee Discussion:**
  - A. Wisconsin Digital Equity and Inclusion Efforts - Alyssa Kenney, State Broadband and Digital Equity Director Wisconsin Public Service Commission – Presentation by Alyssa of the current state broadband goals, funding, and timelines. The state did submit a grant application to NTIA as well as submitted their letter of intent to participate in BEAD. Their plans are designed to address specific groups/demographics which includes 76% of the people in Wisconsin.
  - B. Update on PSC Broadband Access Grants
    1. Frontier – Scott Bohler – PSC did approve their Marathon County project June 23. They have not seen formal written order but will start once they have it. The project be laying fiber optic within their current service area.
    2. Bug Tussel – Kristin Lambrecht – Chairman Robinson defined the project area that includes the Athens and Little Chicago area. Kristin stated there is a 30 mile section close to notification. There has been a slight delay on fiber supplies. They recently received word that that they were awarded \$6 million, with part being a \$3 million match. This will cover 90.7 miles of fiber.
    3. Cirrinity (2021 Grant) – Scott Nyman – This was awarded in APRA round of October 2021. Construction started the beginning of July, and they are about halfway complete along 7 miles. Currently 72 of 102 homes have signed up for service.
  - C. Update on Rural Digital Opportunity Fund
    1. Charter - Celeste Flynn– Charter will be releasing addresses in town of Marathon and town of Rib Mountain in the next couple weeks. The town of Marathon and the town of Cassel will be next. The project will cover approximately 5,400 homes once completed.
    2. LTD – Chairman Robinson reached out to Hailey Tollefson. They have not heard back regarding their longform. There is concern in number of states regarding LTD and if they capable of completing the

work. They are not getting the necessary approvals on a national basis. The task force needs to think about what to do if LTD does not come through so there is not a loss of funding opportunities.

- D. Speed Test Results – This was promoted at the Marathon County Dairy Breakfast. We still have areas where many do not take test. We currently rely on the PSC maps, but they are not really accurate.
- E. Status Report on Bug Tussel's Project – Reported on in the PSC Broadband Access Grants section

5. **Policy Discussion and Possible Action:**

- A. Approach to Funding Sources: County, State and Federal
  - 1. NTIA Middle Mile Grant [MIDDLE MILE NOFO.pdf \(doc.gov\)](#) – We submitted a grant application through Charter last year and were not successful. Most all awarded grants were regional or statewide, which are a much larger area than Marathon County. The deadline for new round is end of September. We are looking into joining others to create larger service area to enhance chance for grant.
  - 2. [Broadband Equity, Access, and Deployment \(BEAD\) Program](#) - RDOF areas not believed to be eligible for BEAD. We will need further clarification to see if we are able to submit a meaningful application. At this time, the county has not made any commitment to purchase any devices for digital equity.
  - 3. American Rescue Plan Act – Chairman Robinson recapped the funds and investments to this date.
- B. Process for determining priorities for future broadband expansion efforts – Chairman Robinson asked how do we reach the unreached parts of the county? Where do we put our priorities? Discussions included getting the underserved government areas more involved in the task force, make it a direct ask or invite to town boards, and to use the current maps to help determine focus areas.
- C. Outreach and Public Engagement activities: Website; Speed Test; Other – Discussions included engaging with the public library system along with the discussion from the expansion efforts. Marathon County will have a booth at the Wisconsin Valley Fair.

6. **Next Meeting Topics**

- 1. Speed Test Results
- 2. Fair Outreach results
- 3. Survey to potentially find another date/time for BTF

7. **Next Meeting:** August 22, 2022

8. **Adjournment**

**AARESTAD MOTION TO ADJOURN MEETING, OLSON SECOND. MOTION CARRIED UNANIMOUSLY. MEETING ADJOURNED AT 4:29 pm.**

Respectfully Submitted by,  
Kathy Johnson

## Bug Tussel & Marathon County Partnership

### BUG TUSSEL WAS AWARDED A BROADBAND EXPANSION GRANT FOR A PROJECT IN MARATHON COUNTY!

As of July 2022, Bug Tussel was awarded a grant to expand its fiber optic network in Marathon County, providing fiber-to-the-home for portions (FTTH) of the Town of Guenther, Town of Knowlton, and Village of Kronenwetter. More details coming in future reports.

### THE PARTNERSHIP

Bug Tussel Wireless is proud to be partnered with Marathon County through a bond that was issued in December of 2021. The project will primarily take place during the fiscal year 2022, with Bug Tussel's goal to have towers completed and online by January of 2023 and fiber connections to follow.

### THE PROJECT

The project, **ROAD to Digital Equality: Marathon County** is designed to equip Marathon County with a fiberoptic backbone network and wireless internet access through rural areas in Marathon County. Bug Tussel will install 22 towers (in addition to 3 towers already in Marathon County) and 350 miles of fiber within 1-3 years, with options for expansion available as agreed upon by Bug Tussel and the county.

## BUG TUSSEL UNIVERSITY *Providing Core Education to Rural Communities*

Bug Tussel University is a free educational program for adults who want to improve their basic technology skills, learn about computers, and more! Regular attendee and class host, Coloma Public Library Director Deborah Sadowski says, "Thanks to Bug Tussel for offering these classes! It's such a big thing for our little community." Class attendees have learned how protect their privacy on Facebook, how to search better online, and more.

**Request a class in your area by calling us at 920-940-0158 or emailing us at [bugtusseluniversity@bugtusselwireless.com](mailto:bugtusseluniversity@bugtusselwireless.com).**

## SALES & MARKETING

Bug Tussel ran Facebook ads targeting the county during the month of July.

Bug Tussel partnered with the Wausau Cyclones Hockey team to run ads from July 2022-June 2023.

## Check out our comic book!



The Boys & Girls Club of Greater Green Bay and Bug Tussel Wireless partnered to create a unique comic book that tells the story of Buford, a local hero to communities and Bug Tussel mascot, as he explains the importance of the internet and connecting rural Wisconsin. Read the comic book online by scanning the QR code or visiting this web address:



[https://www.documentcloud.org/documents/22076279-bugtussel-comic1\\_output?responsive=1&title=1](https://www.documentcloud.org/documents/22076279-bugtussel-comic1_output?responsive=1&title=1)

## Your sales representatives



**Ashley Bolden**  
Business Development Manager  
Phone: (608) 432-6308  
Email: [Ashley.Bolden@bugtusselwireless.com](mailto:Ashley.Bolden@bugtusselwireless.com)



**Kristin Lambrecht**  
Regional Business Development Manager  
Phone: (920) 501-8515  
Email: [Kristin.Lambrecht@bugtusselwireless.com](mailto:Kristin.Lambrecht@bugtusselwireless.com)

## GET IN TOUCH

**Customer Service**  
Phone: (877) 227-0924  
Email: [customerservice@bugtusselwireless.com](mailto:customerservice@bugtusselwireless.com)  
Website: [bugtusselwireless.com](http://bugtusselwireless.com)

# TOWER STATUS



## On Air: 3

- Tower construction and installation complete.
- Internet is live and operational.



## Under Construction: 7

- Establish tower foundation.
- Construct tower by stacking from bottom to top.
- Install antenna, lines, and integrate network.



## Zoning: 7

- Submit permits and receive approval from local and federal agencies.



## Site Acquisition: 6

- Search for and determine tower site.
- Obtain lease from landowner.

# TOWER SITES IN PROGRESS

Lease agreements for sites Milan, March Rapids, Pontiatowski, Stettin, Rozellville, and Ringle Road are still in process.

Edgar, Bass Lake, Knowlton, Glandon, Mann, Rainbow Drive, and Mud Lake remain in zoning status while final regulatory steps are completed. Zoning status is the process of submitting permits and awaiting approval from various local and federal government agencies. The projected date when approval will be received to move forward with construction for these sites varies from late August to early November.

Big Bass Lake, Stratford, Shepard Road, Eau Plane Park, and Hamburg are at the beginning stages of construction. Tower builds for Big Bass Lake, Stratford, and Hamburg are expected to begin in August. Tower builds for Eau Plane Park and Shepard Road are projected to begin this fall.

Construction of towers Sunset and Evergreen is nearly complete. Crews are waiting for equipment to be delivered. Equipment delivery is expected this August.



On Air



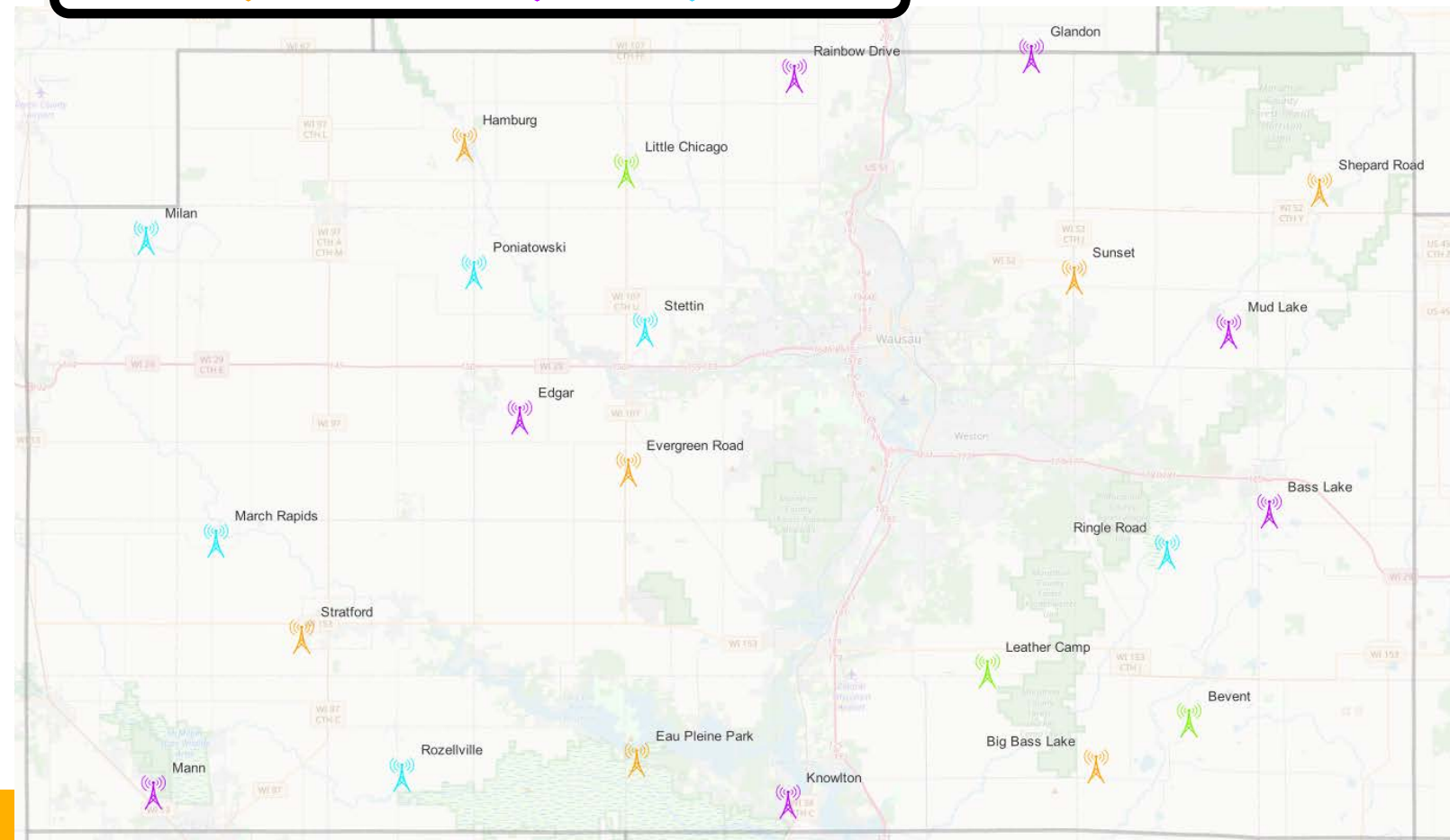
Under Construction



Zoning



Site Acquisition



\*This map includes a rough estimate of site locations and may not accurately reflect actual tower placement.

# FIBER NETWORK

## Nearly 30 Miles of Conduit Complete

Construction has been underway since early May. Approximately 30 miles of conduit have been deployed. Contractor M.J. Electric is working on this section. This includes conduit along the route as well as handholes, which are underground utility boxes where fiber connections to homes are made when setting up internet.

## Looking Ahead to Adding Fiber

Crews began deploying fiber at the very end of the month. Approximately 3 miles of fiber have been installed thus far. Fiber is placed inside the conduit through a process called "fiber blowing", a technique sends fiber through conduit using a machine that pushes the fiber through the conduit with forced air. This technique reduces friction and the risk of damage to the fiber.

## Rock and Underground Utility Protection Slow Progress

Progress on the route is being slowed down by two challenges: rock conditions and underground utility protection delays. Construction crews are running into hard rock, which requires use of a directional drill. In addition, USIC locators (workers with the company USIC who scan the ground to locate underground utilities in order to prevent damage) are overwhelmed and have limited staff time available. This causes a challenge for USIC locators to cover areas early enough before the construction crew catches up. Bug Tussel and USIC staff are working on a solution.

# FIBER STATUS



## On Air: 0 miles

- Fiber is installed.
- Connections to towers are complete.
- Internet is live and operational.



## Under Construction: 30 miles

- Conduit, the protection cable that will house the fiber, is installed via Boring (with a drill) or Plowing.
- Handholes, Flowerpots, and Cabinets, access hatches that house utilities and connections, are installed.
- Fiber is sent through the conduit via Fiber Blowing, a technique using a machine on wheels that blows air to push the fiber through the cable.
- Sections of fiber are connected to each other via Splicing, the fusion of fiber pieces with an optical laser.



## Zoning: 159 miles

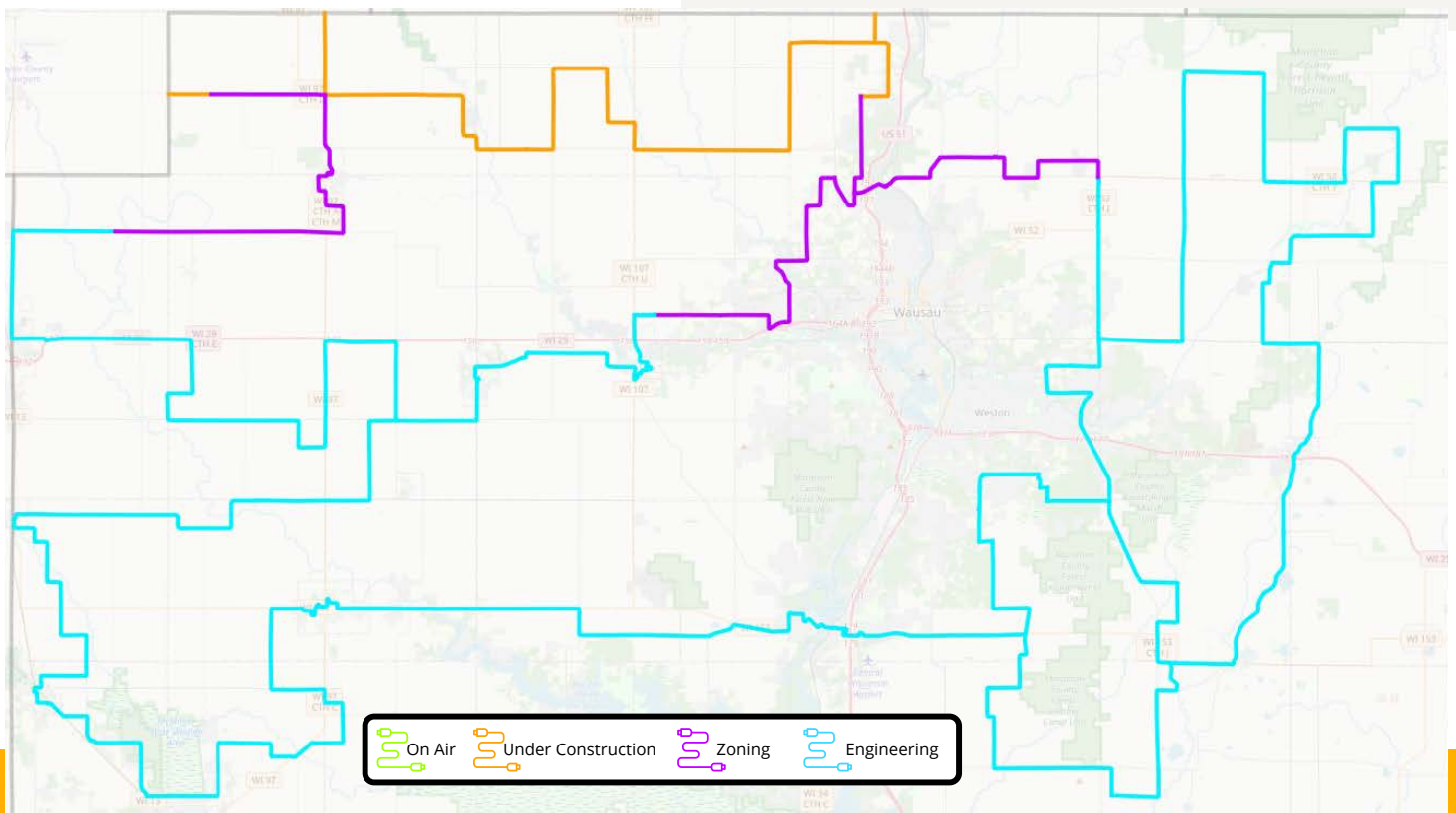
- Permits for work in areas along the route are submitted.
- Permits are approved by appropriate parties.



## Engineering: 378 miles\*

*\*Includes the Last Mile, sections of the route that branch off of the main route to neighborhoods, business areas, and residential areas.*

- Fiber route is mapped.
- Route is traveled to determine equipment and landscape needs.
- Sections are Re-designed as needed.



\*This map includes a rough estimate of the fiber network and may not accurately reflect final route.

# How is a Fiber Network Created?

## Did you know? A fiber network is like a highway system.



The **First Mile** is like an *expressway* connecting main points across very large areas together. This is the *core* network that hooks up internet connections from state to state and, on a larger scale, country to country.



The **Middle Mile** is like a *highway* connecting cities together. This is the *backbone* that connects cities, counties, and states and creates a national network.

The **Last Mile** is like a *road* that travels from the highway to individual neighborhoods. This is the *distribution* that connects the internet network to customer's homes, businesses, and government agencies. This is often the costliest and most challenging part of the network to create.

\*Bug Tussel specializes in building Middle Mile and Last Mile networks.

Installing a fiber network requires 4 major steps:

## DESIGN THE ROUTE, OBTAIN PERMITS, INSTALL FIBER, AND CONNECT TO CUSTOMERS.

### DESIGN THE ROUTE (*Engineering*)

#### Map the Route

Determine the best route for the network and outline in mapping software.

#### Travel the Route

Travel the route to determine equipment and route needs based on the landscape. For example, areas with hard rock conditions will require specialized equipment such as a directional drill.

#### Re-Design

Re-design the route as needed based on landscape requirements, permit needs, etc.



### OBTAIN PERMITS (*Zoning*)

#### Submit Permits

Submit permits to local and federal agencies in order to obtain authorization before beginning installation.

#### Await Approval

Await approval and re-submit or re-design if approval is denied.

### INSTALL FIBER (*Construction*)

#### Deploy Conduit

Install conduit (a protective cable that will house the fiber) into the ground via plowing or boring (with a directional drill).

#### Install Access Hatches

Place access hatches in areas (often underground) where intersections will be made, the route changes direction, or fiber will be dispersed. These hatches (which include handholes, flowerpots, and cabinets) will act as utility boxes where fiber connections can be made.

#### Insert Fiber

Run fiber through the conduit. The most common way to insert fiber is through a process called fiber blowing, which uses a machine to move the fiber through the cable via bursts of air. This reduces friction and the risk of damage to the fiber.

#### Connect Fiber

Connect sections of fiber to one another by splicing, the process of fusing pieces of fiber together with an optical laser.

#### Connect to the Internet

Connect the fiber route to the internet, often by hooking up to the larger worldwide network via connection to a switch, a mobile tower, or another connecting point.



### CONNECT TO CUSTOMERS (*On Air*)

#### Connect to Customer

Install fiber from the closest access point (a handhole) to the customer's home or business.

#### Set Up Internet

Customer connects router and modem to internet cables to establish home network.



# WAUSHARA COUNTY

## Tech Help

Drop in and get one-on-one help with your tech questions!

**Wednesday, September 14 | 1:00-2:00 p.m.**

**Coloma Public Library**

155 Front St, Coloma, WI 54930

## Internet Safety

Learn how to stay safe on the internet.

**Thursday, September 15 | 12:00-1:00 p.m.**

**Wautoma Public Library**

410 W Main St, Wautoma, WI 54982

## Smartphone Basics

Learn what your phone can do and how to use it.

**Wednesday, September 21 | 12:00-1:00 p.m.**

**Wautoma Public Library**

410 W Main St, Wautoma, WI 54982

## Search Smarter: Improve Your Internet Searching Skills

Learn how to find information online quickly and easily.

**Thursday, September 22 | 2:00-3:00 p.m.**

**Leon Saxeville Library**

N4715 County Rd E, Pine River, WI 54965

## How to Video Chat

Learn how to use Zoom, FaceTime, Google+, and more!

**Wednesday, September 28 | 1:00-2:00 p.m.**

**Coloma Public Library**

155 Front St, Coloma, WI 54930

**Flip over for more Waushara Classes!** →

## Questions?

Get in touch!

📞 920-940-0158

✉ [bugtusseluniversity@bugtusselwireless.com](mailto:bugtusseluniversity@bugtusselwireless.com)

🌐 [bugtusselwireless.com/bug-tussel-university-3/](http://bugtusselwireless.com/bug-tussel-university-3/)

## Tech Help

Drop in and get one-on-one help with your tech questions!

**Thursday, October 6 | 2:00-5:00 p.m.**

**Leon Saxeville Library**

N4715 County Rd E, Pine River, WI 54965

## Tech Help

Drop in and get one-on-one help with your tech questions!

**Wednesday, October 12 | 1:00-2:00 p.m.**

**Coloma Public Library**

155 Front St, Coloma, WI 54930

## Email Basics

Learn what email is and how to use it.

**Thursday, October 20 | 12:00-1:00 p.m.**

**Wautoma Public Library**

410 W Main St, Wautoma, WI 54982

## Fun With Photos: How to Save, Share, and Edit Photos with your Smartphone

Learn how to upload, download, and edit your.

**Wednesday, October 26 | 1:00-2:00 p.m.**

**Coloma Public Library**

155 Front St, Coloma, WI 54930

## Facebook for Beginners

Learn the basics of how to use Facebook.

**Thursday, November 3 | 12:00-1:00 p.m.**

**Wautoma Public Library**

410 W Main St, Wautoma, WI 54982

## Tech Help

Drop in and get one-on-one help with your tech questions!

**Wednesday, November 9 | 1:00-2:00 p.m.**

**Coloma Public Library**

155 Front St, Coloma, WI 54930

## Using The Internet to Keep Your Brain Healthy

Learn how to keep your brain engaged with the internet!

**Wednesday, November 23 | 1:00-2:00 p.m.**

**Coloma Public Library**

115 Front St, Coloma, WI 54930



# Fall 2022 Class Schedule

**SEPTEMBER-NOVEMBER**



# Registration Recommended for all classes!

Scan the QR code or call us at 920-940-0158 to sign up!



## CALUMET COUNTY

### Using The Internet to Keep Your Brain Healthy

Learn how to keep your brain engaged with the internet!

**Thursday, September 8 | 4:00-5:00 p.m.**

#### New Holstein High School

1715 Plymouth St New Holstein, WI 53061

### Smartphone Basics

Learn what your phone can do and how to use it.

**Tuesday, September 20 | 6:00-7:00 p.m.**

**Brillion Public Library** 326 N Main St, Brillion, WI 54110

### Search Smarter: Improve Your Internet Searching Skills

Learn how to find information online quickly and easily.

**Thursday, September 22 | 5:30-6:30 p.m.**

#### New Holstein High School

1715 Plymouth St, New Holstein, WI 53061

### Tech Help

Drop in and get one-on-one help with your tech questions!

**Thursday, October 6 | 5:30-6:30 p.m.**

#### New Holstein High School

1715 Plymouth St, New Holstein, WI 53061

### Facebook for Beginners

Learn the basics of how to use Facebook.

**Tuesday, October 18 | 6:00-7:00 p.m.**

#### Brillion Public Library

326 N Main St, Brillion, WI 54110

### Email Basics

Learn what email is and how to use it.

**Thursday, October 20 | 4:00-5:00 p.m.**

#### New Holstein High School

1715 Plymouth St, New Holstein, WI 53061

### Internet Safety

Learn how to stay safe on the internet.

**Tuesday, November 15 | 6:00-7:00 p.m.**

#### Brillion Public Library

326 N Main St, Brillion, WI 54110

## FOND DU LAC COUNTY

### Internet Safety

Learn how to stay safe on the internet.

**Wednesday, September 14 | 1:00-2:00 p.m.**

#### Fond du Lac Senior Center

151 E 1st St, Fond du Lac, WI 54935

### Tech Help

Drop in and get one-on-one help with your tech questions!

**Tuesday, September 27 | 9:00-11:00 a.m.**

#### Fond du Lac Senior Center

151 E 1st St, Fond du Lac, WI 54935

### Facebook for Beginners

Learn the basics of how to use Facebook.

**Tuesday, September 29 | 1:00-2:00 p.m.**

#### Fond du Lac Senior Center

151 E 1st St, Fond du Lac, WI 54935

### How to Video Chat

Learn how to use Zoom, FaceTime, Google+, and more!

**Wednesday, October 12 | 1:00-2:00 p.m.**

#### Fond du Lac Senior Center

151 E 1st St, Fond du Lac, WI 54935

### Snapchat for Beginners

Learn the basics of how to use Snapchat.

**Thursday, October 27 | 1:00-2:00 p.m.**

#### Fond du Lac Senior Center

151 E 1st St, Fond du Lac, WI 54935

## IOWA COUNTY

### Internet Safety

Learn how to stay safe on the internet.

**Wednesday, September 21 | 1:00-2:00 p.m.**

#### Barneveld Public Library

107 W Orbison St, Barneveld WI 53507

### Facebook for Beginners

Learn how to use Facebook.

**Wednesday, October 19 | 1:00-2:00 p.m.**

#### Barneveld Public Library

107 W Orbison St, Barneveld WI 53507

### How to Video Chat

Learn how to use Zoom, FaceTime, Google+, and more!

**Wednesday, November 16 | 1:00-2:00 p.m.**

#### Barneveld Public Library

107 W Orbison St, Barneveld WI 53507

## KEWAUNEE COUNTY

### Facebook for Beginners

Learn the basics of how to use Facebook.

**Tuesday, September 6 | 2:00-3:00 p.m.**

#### Algoma Public Library

406 Fremont St Algoma, WI 54201

### Tech Help

Drop in and get one-on-one help with your tech questions!

**Tuesday, October 4 | 2:00-4:00 p.m.**

#### Algoma Public Library

406 Fremont St Algoma, WI 54201

### Smartphone Basics

Learn what your phone can do and how to use it.

**Tuesday, November 1 | 2:00-3:00 p.m.**

#### Algoma Public Library

406 Fremont St Algoma, WI 54201

## ADAMS COUNTY

### Tech Help

Drop in and get one-on-one help with your tech questions!

**Tuesday, September 13 | 1:00-3:00 p.m.**

#### Adams County Community Center

569 N Cedar St Adams, WI 53910

## MARATHON COUNTY

### Internet Safety

Keep your information secure while using the internet.

**Tuesday, September 13 | 2:00-3:00 p.m.**

#### Marathon County Public Library - Mosinee Branch

123 Main St Mosinee, WI 54455

### Fun With Photos: How to Save, Share, and Edit Photos with your Smartphone

Learn how to upload, download, and edit your.

**Tuesday, October 11 | 2:00-3:00 p.m.**

#### Marathon County Public Library - Mosinee Branch

123 Main St Mosinee, WI 54455

### Using the Internet to Keep Your Brain Healthy

Learn how to keep your brain engaged with the internet!

**Tuesday, November 8 | 2:00-3:00 p.m.**

#### Marathon County Public Library - Mosinee Branch

123 Main St Mosinee, WI 54455



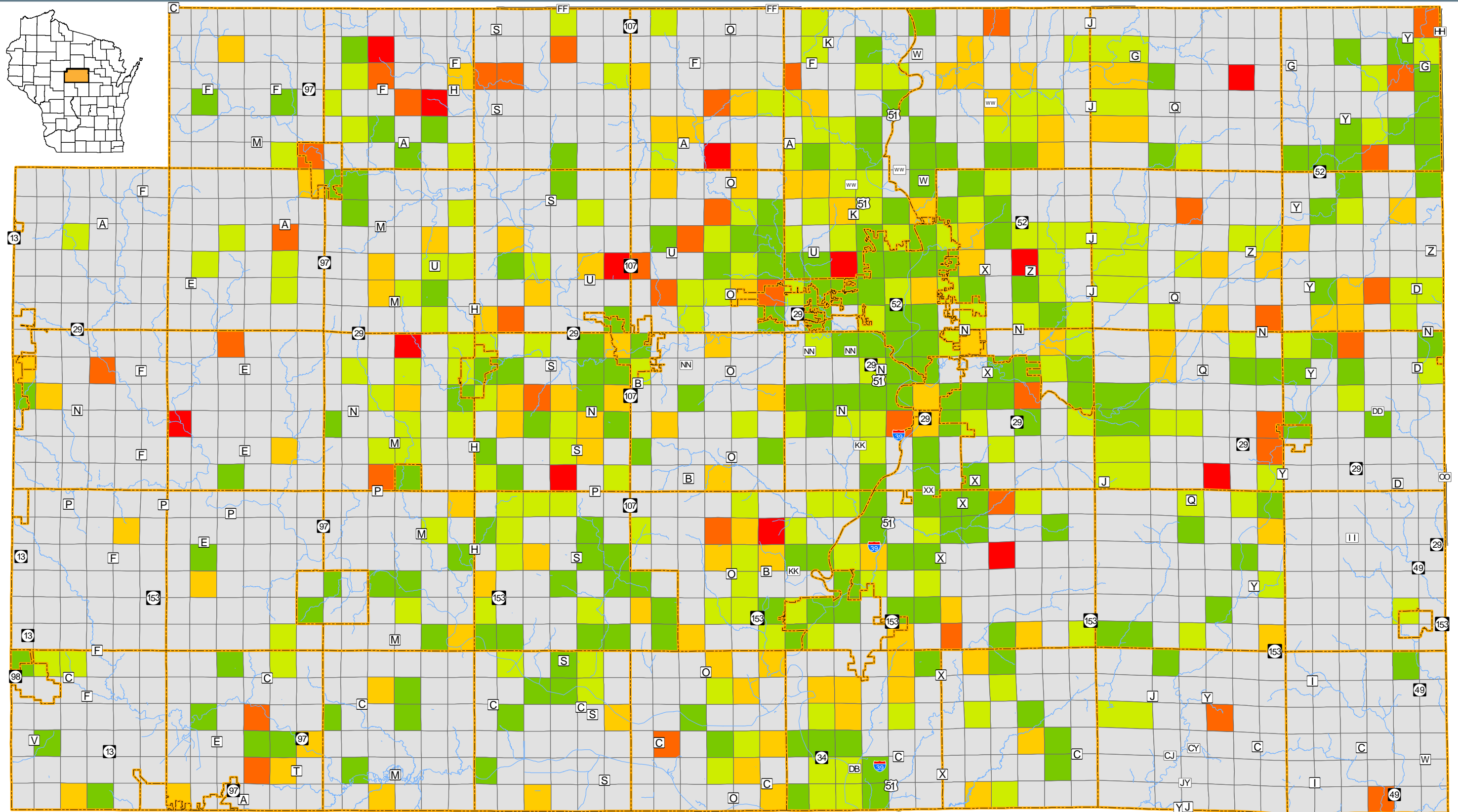
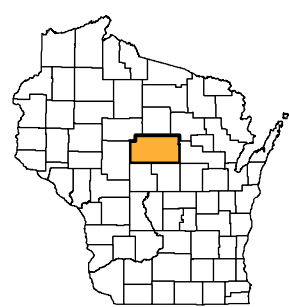
**Legend**

- Minor Civil Divisions
- Water
- No Data
- < \$50
- \$50 to \$75
- \$75 - \$100
- \$100 to \$150
- > \$150

# Average Cost Per Month

## 7/14/2022

### Marathon County, Wisconsin



This map is neither a legally recorded map nor a survey of the actual boundary of any property depicted. This drawing is a compilation of records, information and data used for reference purposes only. NCWRPC is not responsible for any inaccuracies herein contained.

Prepared By:  
 North Central Wisconsin Regional Planning Commission  
 210 McClellan St. Wausau, WI 54403 - [www.ncwrpc.org](http://www.ncwrpc.org)  
 Date Printed: Thursday, July 14, 2022



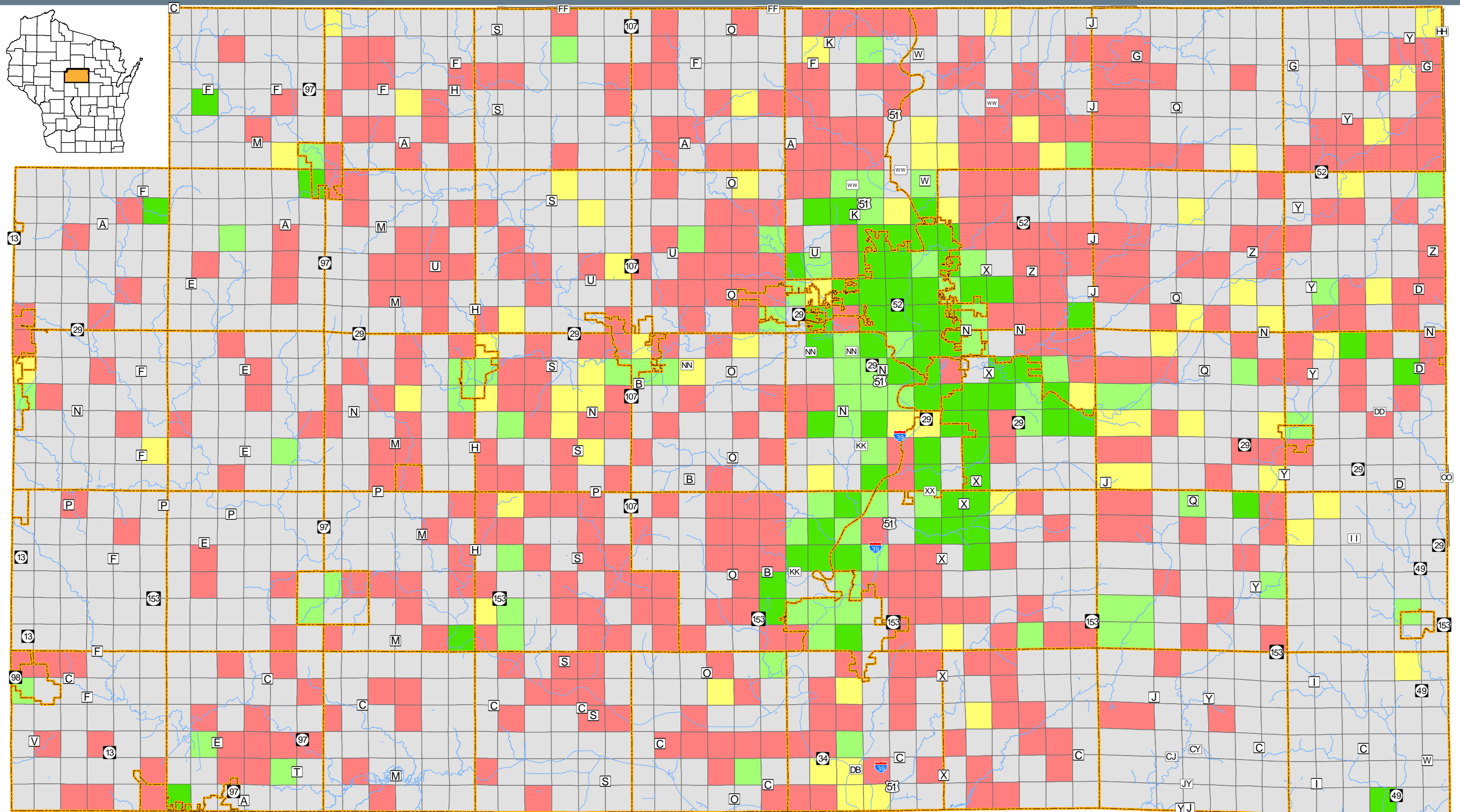
**Legend**

- US Highway
- State Highways
- County Highways
- Minor Civil Divisions
- Water
- No Test or Service
- Average Download Speeds**
- < 25 MB
- 25 to 50 MB
- 50 to 100 MB
- > 100 MB

# Average Download Speed

## 7/14/2022

### Marathon County, Wisconsin



This map is neither a legally recorded map nor a survey of the actual boundary of any property depicted. This drawing is a compilation of records, information and data used for reference purposes only. NCWRPC is not responsible for any inaccuracies herein contained.

Prepared By:  
 North Central Wisconsin Regional Planning Commission  
 210 McClellan St. Wausau, WI 54403 - [www.ncwrpc.org](http://www.ncwrpc.org)  
 Date Printed: Thursday, July 14, 2022



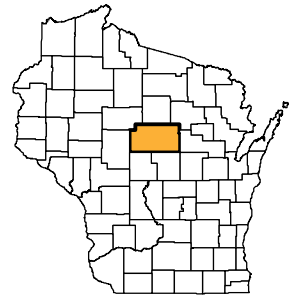
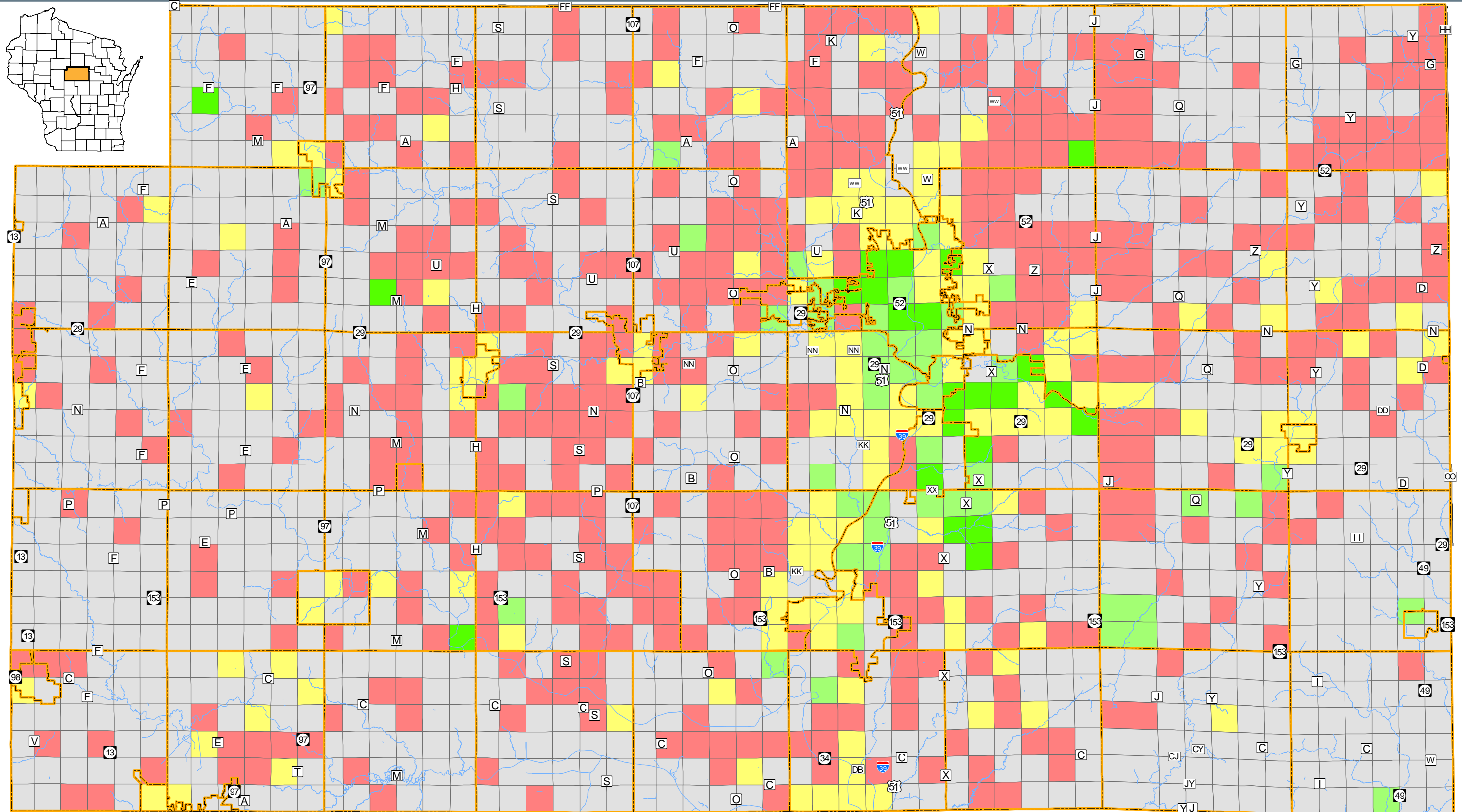
**Legend**

- US Highway
- State Highways
- County Highways
- Minor Civil Divisions
- Water
- Average Upload Speeds**
- < 5 MB
- 5 to 20 MB
- 20 to 100 MB
- > 100 MB
- No test or Service

# Average Upload Speed

## 7/14/2022

### Marathon County, Wisconsin



This map is neither a legally recorded map nor a survey of the actual boundary of any property depicted. This drawing is a compilation of records, information and data used for reference purposes only. NCRPC is not responsible for any inaccuracies herein contained.

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 North Central Wisconsin Regional Planning Commission  
 210 McClellan St. Wausau, WI 54403 - [www.ncwrpc.org](http://www.ncwrpc.org)  
 Date Printed: Thursday, July 14, 2022

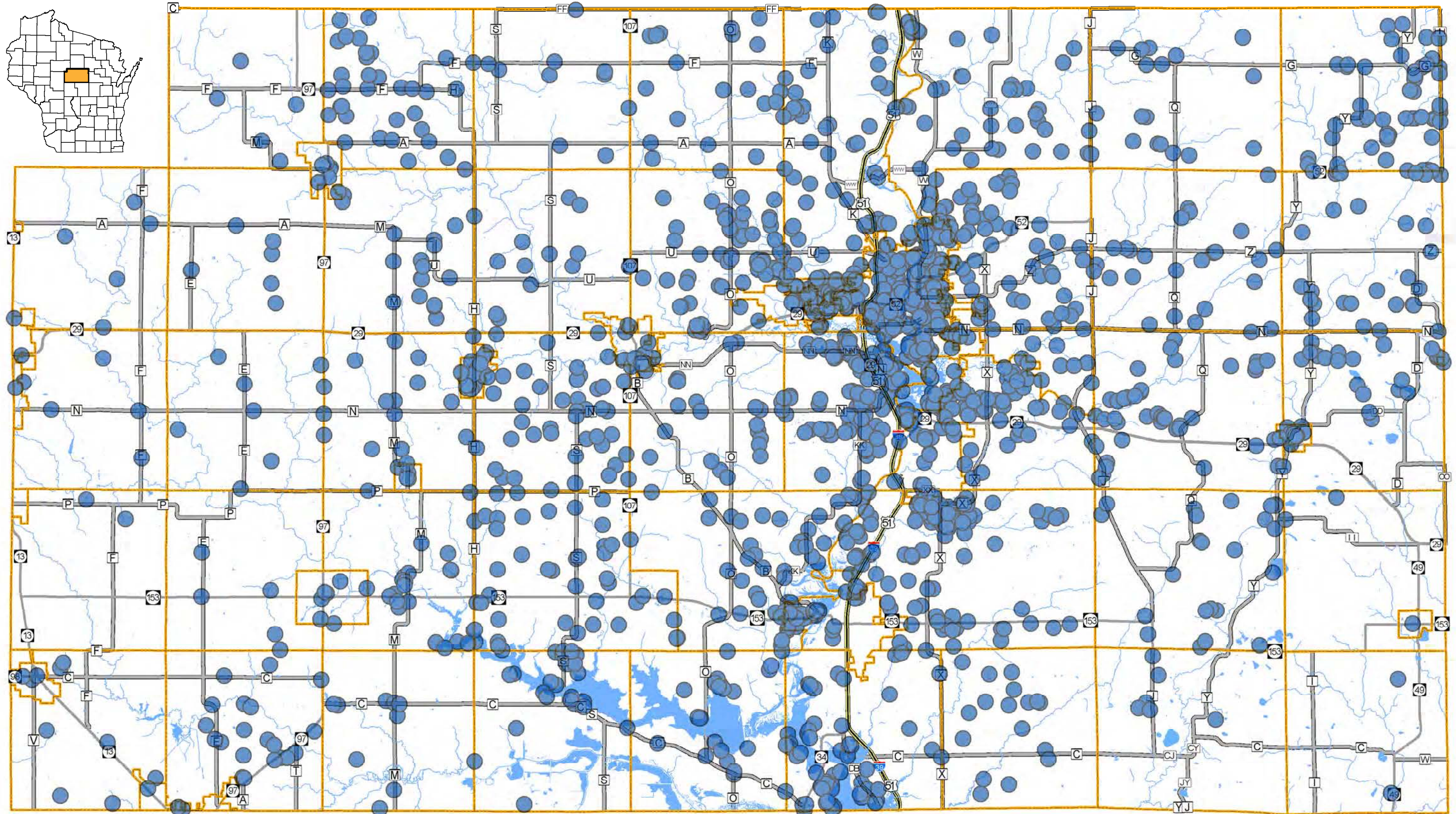


**Legend**

- Minor Civil Divisions
- Water
- General Test Location

# Locations 7/14/2022

Marathon County, Wisconsin



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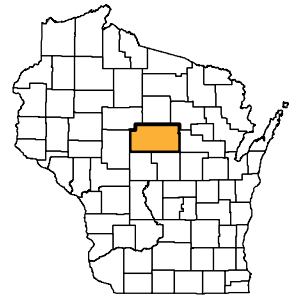
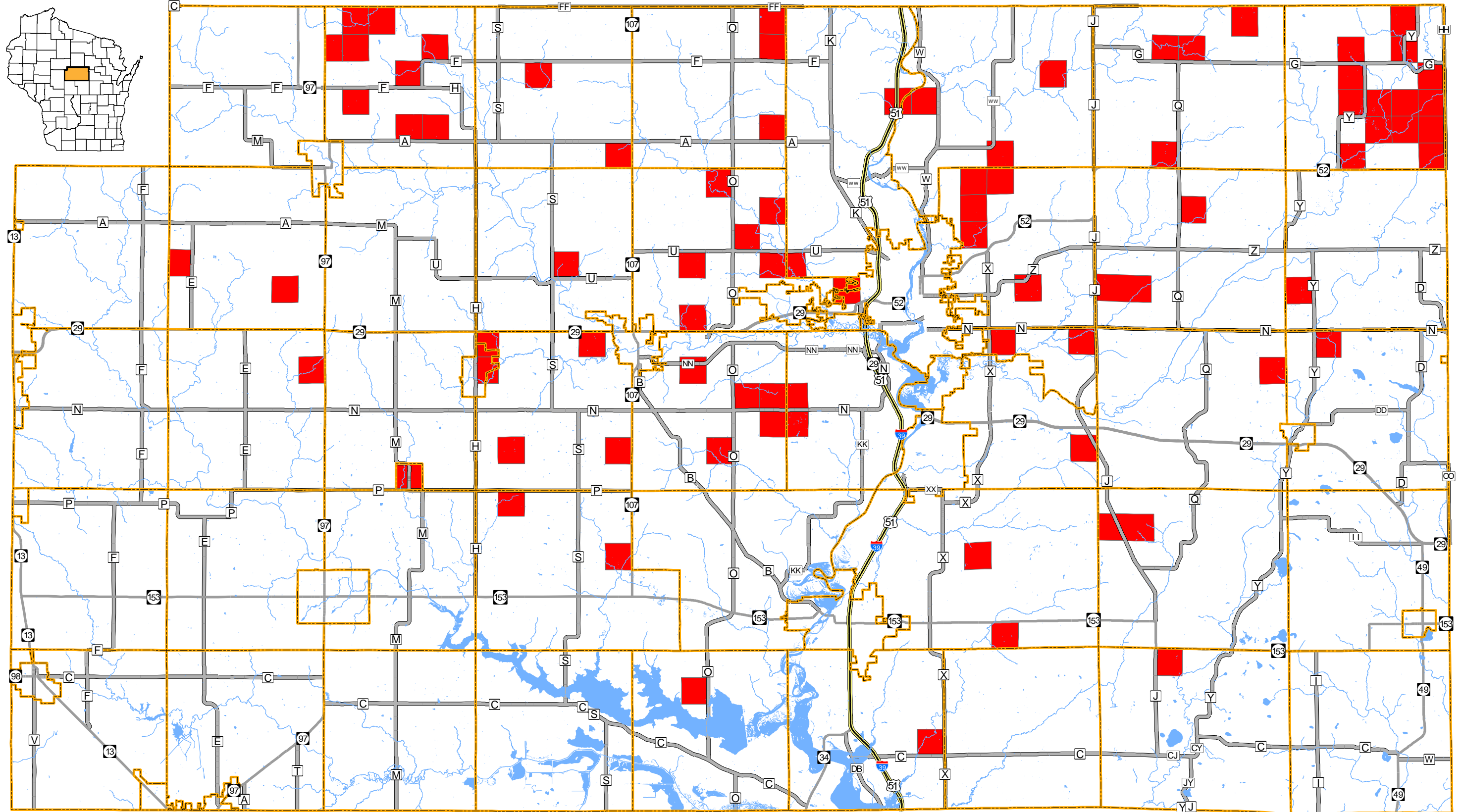
**Legend**

- Minor Civil Divisions
- No Service Reported
- Water

Note: Many that reported "no service" do have service but feel it is slow or too expensive.

# No Service 7/14/2022

Marathon County, Wisconsin



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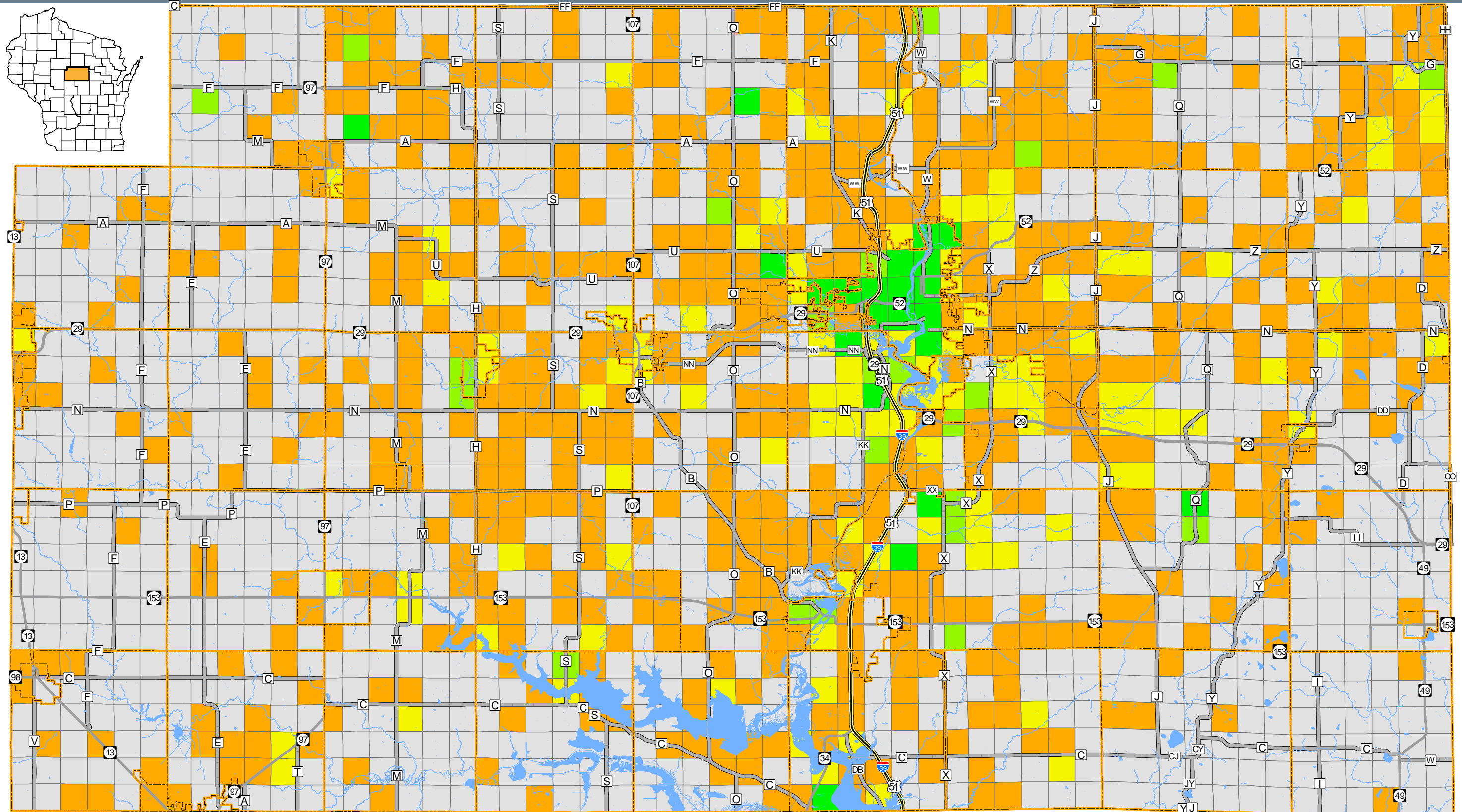
**Legend**

- US Highway
- State Highways
- County Highways
- Minor Civil Divisions
- Water
- Total Tests**
- 0
- 1 - 4
- 5 - 10
- 11 - 20
- 21 - 150

# Number of Speedtests

## 7/14/2022

### Marathon County, Wisconsin



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WISCONSIN TOMORROW SUMMITS (/INDEX.PHP/WI-TOMORROW-SUMMITS/BROADBAND/EVENT-PROGRAM/ITEMLIST/CATEGORY/28-WISCONSIN-TOMORROW-SUMMITS)

# August 23, 2022 - Wisconsin Tomorrow Summit: Broadband

🕒 August 16, 2022 👁 205 💬 0 (/index.php/wi-tomorrow-summits/broadband/event-program#itemCommentsAnchor)

🔍 font size 🔍 Print (/index.php/wi-tomorrow-summits/broadband/event-program?tmpl=component&print=1) Email

(/index.php/component/mailto/?

tmpl=component&template=ts\_news247&link=6941dc42499f43cdcf33b2b712c2eb1d08eb0733)



(/media/k2/items/cache/3707d8f2be163bd14c78cf07586f13bb\_XL.jpg)



# IN PERSON AND VIRTUAL EVENT

## Date and time

Tuesday, August 23, 2022

8:00 AM – 12:00 PM CDT

## Location (In Person)

DJ Bordini Center

Fox Valley Technical College

5 N Systems Drive

Appleton, WI

**Click Here for In-Person Registration (<https://www.eventbrite.com/e/wisconsin-tomorrow-broadbandthe-new-economic-necessity-tickets-391126749637>)**

**Click Here for Virtual Registration (<https://www.eventbrite.com/e/wisconsin-tomorrow-broadbandthe-new-economic-necessity-zoom-tickets-391136719457>)**

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# EVENT PROGRAM



**8:00AM TO 8:10AM WELCOME**

- Barb LaMue, President & CEO, New North
- Brittany Beyer, Executive Director, Grow North; Chair, Governor's Commission on Broadband Access
- Mark O'Connell, President & CEO, Wisconsin Counties Association

**8:10AM TO 8:45AM Getting to a Regional Strategy**

Moderator: Mark O'Connell, President & CEO, Wisconsin Counties Association

- Peter Thillman, Chief Economic Development Office, Shawano County Economic Progress
- Barbara Koldos, Vice President, Business Development, New North
- Jack Maytum, Senior Broadband Analyst, Design Nine

**8:45AM TO 9:30AM Key Elements of Broadband Strategy - 1. Regional Middle-Mile and Last-Mile Strategy**

Moderator: Mark O'Connell, President & CEO, Wisconsin Counties Association

- Jack Maytum, Senior Broadband Analyst, Design Nine
- Adam Payne, County Administrator, Sheboygan County
- Celeste M. Flynn, Director, State Government Affairs, Charter Communications
- Dave McCartney, Peninsula Fiber Network
- Bill Esbeck, Executive Director, Wisconsin State Telecommunications Association

^

## **9:30AM TO 10:00AM Key Elements of Broadband Strategy - 2. Addressing the Rural Challenges**

Moderator: Mark O'Connell, President & CEO,  
Wisconsin Counties Association

- Brittany Beyer, Executive Director, Grow North; Chair, Governor's Taskforce on Broadband Access
- Jessica Hatch, Broadband Coordinator, Door County
- Steve Schneider, President & CEO, Bug Tussel Wireless

## **10:00AM TO 10:45AM Key Elements of Broadband Strategy - 3. Connecting the Funding with the Strategy**

Moderator: Jeff Mayers, President,  
WisBusiness and WisPolitics

- Rory Tikalsky, Broadband Expansion Manager, Public Service Commission
- Renita Warrington, Menominee Indian Tribe of Wisconsin
- August Neverman, Broadband and BCCAN Director, Brown County

## **10:45AM TO 11:30AM Key Elements of Broadband Strategy - 4. Making it work in your backyard**

Moderator: Jeff Mayers, President,  
WisBusiness and WisPolitics

- Jaron McCallum, Strategic Initiatives Coordinator, Public Service Commission
- Bob Webb, V.P. of Innovative Operations, Nsight Telservices
- August Neverman, Broadband and BCCAN Director, Brown County
- Steve Schneider, President & CEO, Bug Tussel Wireless
- Jim Wood, Chair, Wood Communications Group; Strategic Counsel to Competitive Wisconsin

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## 11:30AM TO 11:55AM Take Aways and Closing Comments

- Rory Tikalsky, Broadband Expansion Manager, Public Service Commission
- Adam Payne, County Administrator, Sheboygan County
- Barb LaMue, President & CEO, New North
- Mark O’Connell, President & CEO, Wisconsin Counties Association
- Jim Wood, Chair, Wood Communications Group; Strategic Counsel to Competitive Wisconsin

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### LEAVE A COMMENT

Make sure you enter all the required information, indicated by an asterisk (\*). HTML code is not allowed.

Message \*

