

WISCORS Frequently Asked Questions

Q: How do I sign up for access to the WISCORS Real-Time Network?

All new users must [register](#) for access. Be sure to provide all the requested information. New user requests are typically approved within 2 business days.

Upon approval of the submitted request, a confirmation email will be sent and will include:

1. [Organization](#), [User Name](#) and [Password](#).
2. [IP Address](#) and [Port Number](#).
3. A list of the mount points currently available.

Your equipment vendor can help you with the setup of your device.

WisDOT is responsible for developing, operating, and maintaining the WISCORS Network and its related infrastructure. WisDOT does not have the resources to assist with questions related to configuration or trouble-shooting of End-User equipment.

Q: We have registered for WISCORS, but don't know the login and password. Can you send me the login and password information?

The web server does not include a self-service password reset or password reminder.

To request your login credentials, email the [WISCORS Team](#) and request a "Password Reminder" message be sent to the email address associated with your account.

Q: We have an active WISCORS login, but we have recently added new rovers. How do we add Additional Logins for multiple devices?

If you have one device and several operators who might use it, you only need to register for one login.

If you have multiple devices that will be connected to the Network simultaneously, each device will need a unique login.

This can be accomplished by one of two ways:

1. New users with your Organization can [register](#) via the WISCORS web server.
 - a. Each registered user will be issued a unique login.
 - b. Allows for multiple users with an organization to be sent notifications regarding Network status and other announcements.
2. Additional logins can be created for a user with a registered account.
 - a. Email the [WISCORS Team](#) with the number of login(s), along with the preferred password(s) and we can create these additional login(s) for you.
 - b. Allows for one Point of Contact and requires only one email address.

Q: What is the Horizontal Reference Frame and Adjustment used by WISCORS?

As of March 2013, the WISCORS Network base station coordinates are closely aligned with the North American Datum of 1983 (2011) epoch 2010.00.

View the reference frame, datum tag, and horizontal coordinates using the web server [Sensor Map](#).

Select the base station using either the Sensor Map icon or the station pick list on the right side of the page. Then click "Info" for the individual details of each base station.

Q: Are the Base Station Coordinates available in a file for download?



wiscors.xlsx



wiscors.kml



gis-file.zip

Q: CORS Reference Station data and Virtual Reference Station data

Reference Data for post processing is made available to registered users as a public service. To download Reference Data from the WISCORS web server, a registered user is required to have an active subscription to Reference Data Shop services.

Please contact the [WISCORS Team](#) and request Reference Data Shop Services be enabled for your login. Be sure to include your Organization and Username with your request.

Continuously Operating Reference Station (CORS) data is available for 180 calendar days. Virtual Reference Station (VRS) data is available for 60 calendar days.

Reference Data Shop orders generated using the WISCORS web server are retained for 30 days. Users can return to the web server anytime within 30 days to retrieve a previously generated Reference Data Shop order.

Customizable Reference Data is not available after these thresholds have been surpassed.

Q: Does the WISCORS Network make available a Single Base mount point?

Yes. Users with a properly configured device can choose to receive Single Base corrections (RTCM31 or CMRplusGNSS data format). The selection of the nearest available base station from which the corrections are derived is determined automatically by the software based upon the NMEA position of the rover provided during the login authentication process.

Consult with your equipment vendor for recommendations regarding the use of Single Base corrections.

Q: Why doesn't the Sensor Map display in my web browser?

The WISCORS Network web server is hosted by WisDOT using a secure web URL (https). The base map is hosted by a third party using a non-secure web URL (http).

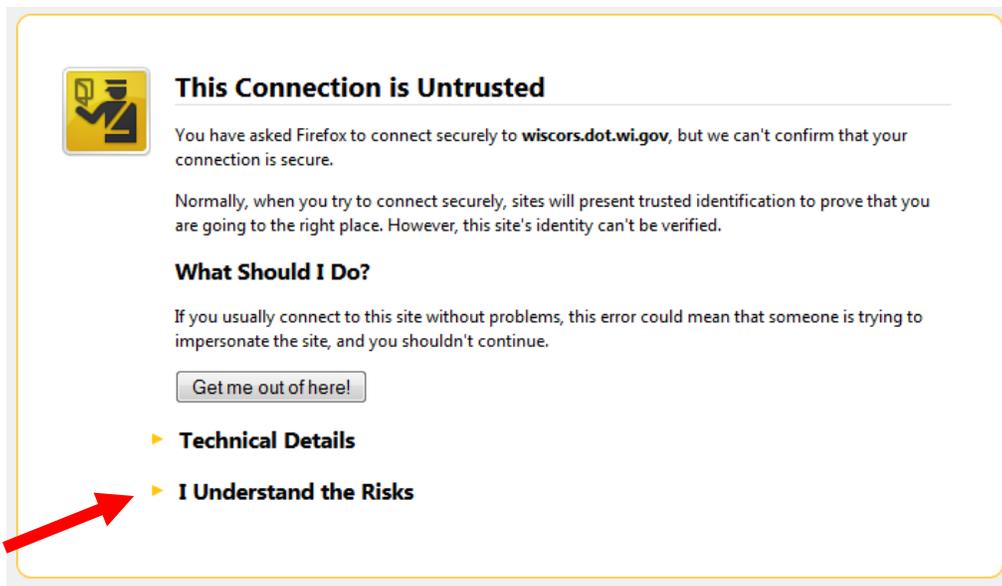
As a default security setting, 'mixed content' is not allowed on most web browsers, however, the following tips and suggestions may help allow the various web browsers to display the Sensor Map.

Always consult with your organization's IT Administrator regarding policies related to your web browser settings.

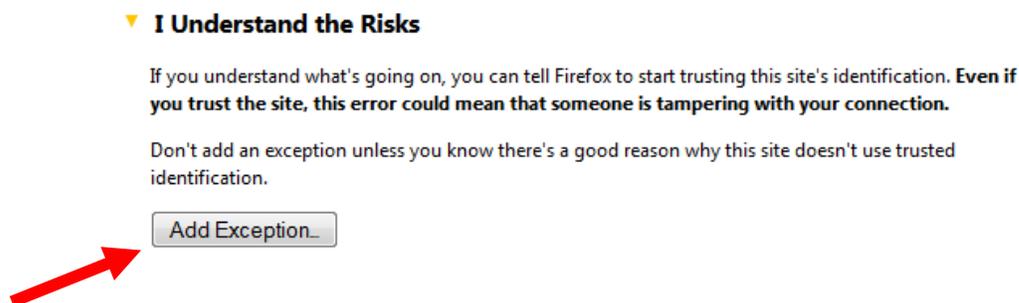
Mozilla Firefox:

Depending upon the version of Mozilla Firefox and browser settings, the required steps and screen images may vary from the images depicted. Therefore, each of the steps depicted may not be required by all users.

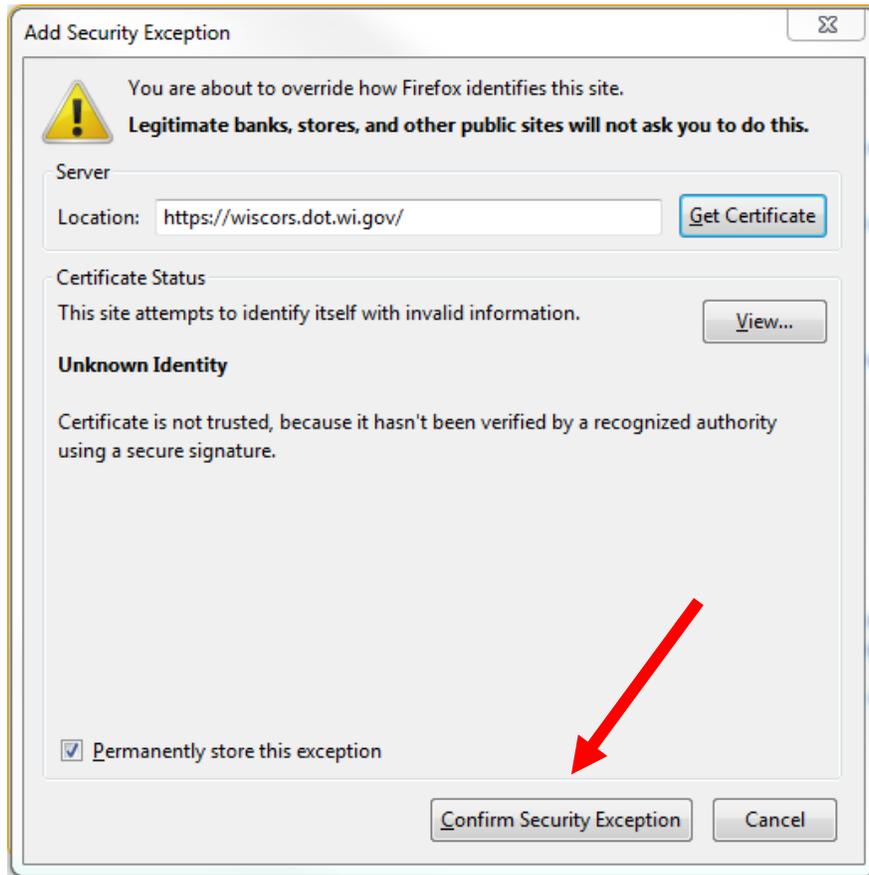
Step 1: Open Mozilla Firefox and navigate to the WISCORS Network web server. The user may be prompted with the following message:



Step 2: Expand "I Understand the Risks" and click "Add Exception..."

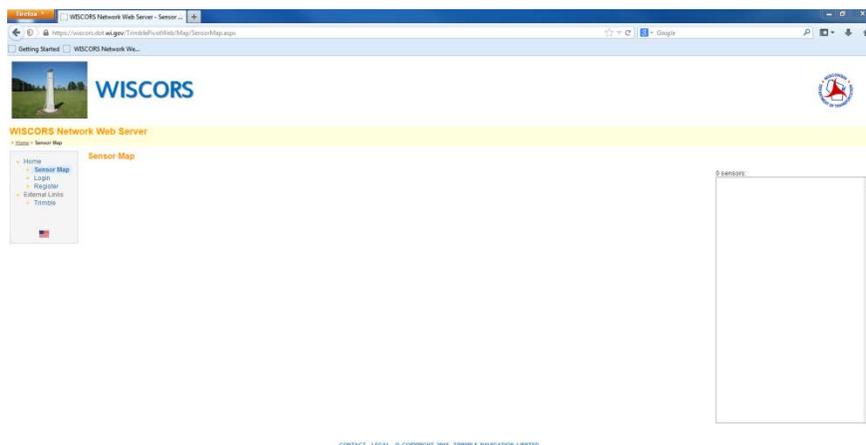


Step 3: Copy/Paste the web address to the "Location" cell and check the box "Permanently store this exception." Click the box "Confirm Security Exception."

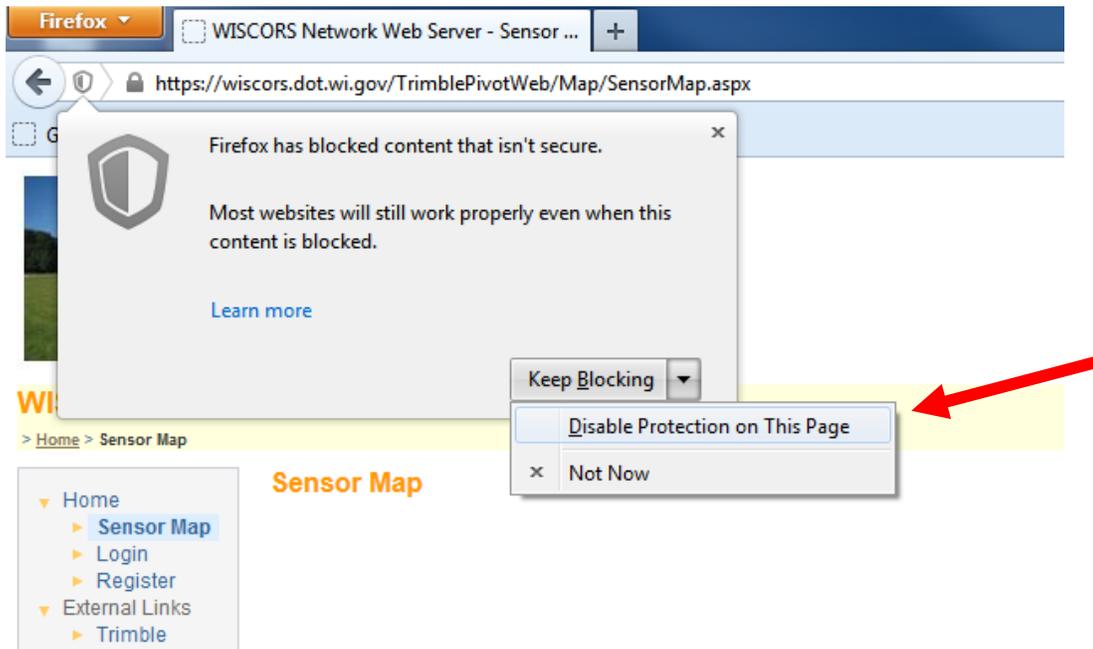


Step 4: Close the Mozilla Firefox web browser. Open Mozilla Firefox.

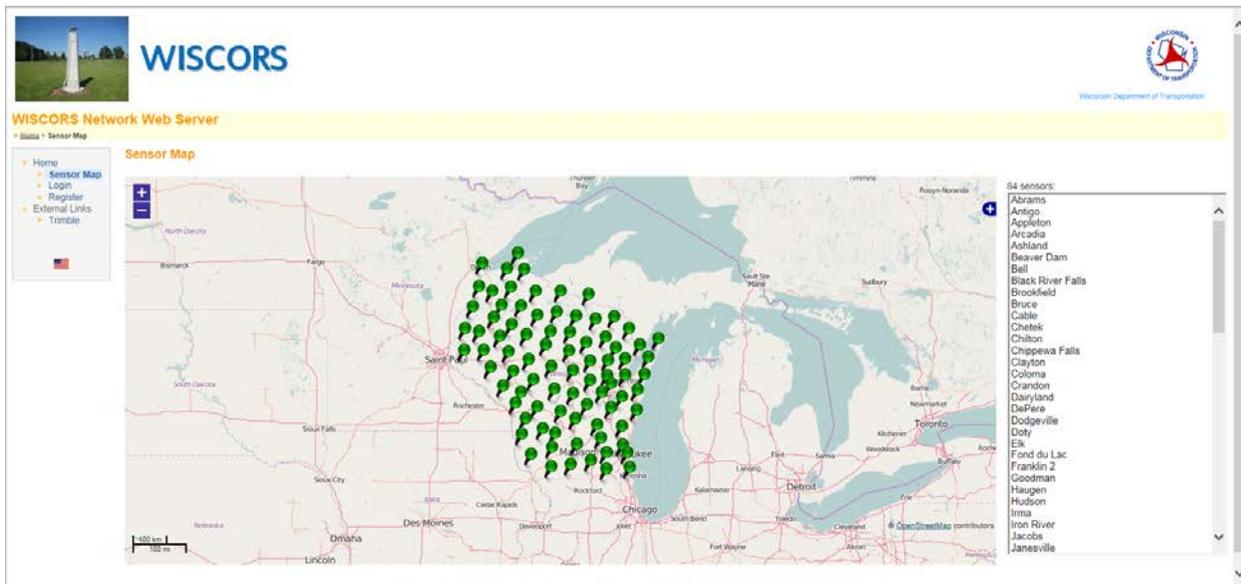
Step 5: Navigate to the WISCORS Network web server. Click the 'Sensor Map' link and the WISCORS web server page will load, but the map element will still be blocked and will show 0 sensors available.



Step 6: Left click on the small shield located on the left side of the address bar. Change the selection from "Keep Blocking" to "Disable Protection on This Page."



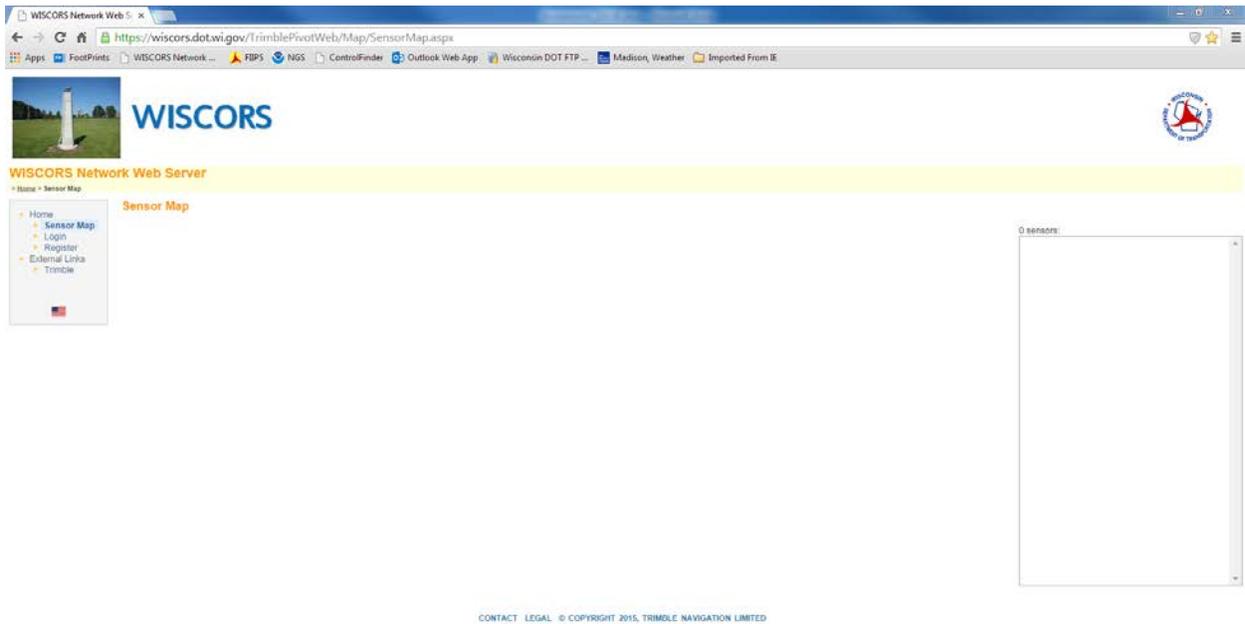
The base map and WISCORS station symbols will now load.



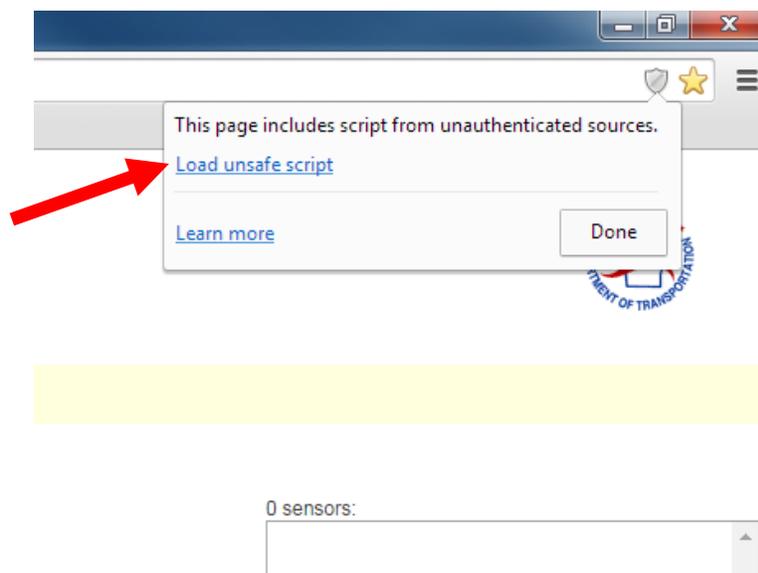
Note: The shield's setting will have to be disabled each time the Firefox browser window is closed and later reopened.

Google Chrome:

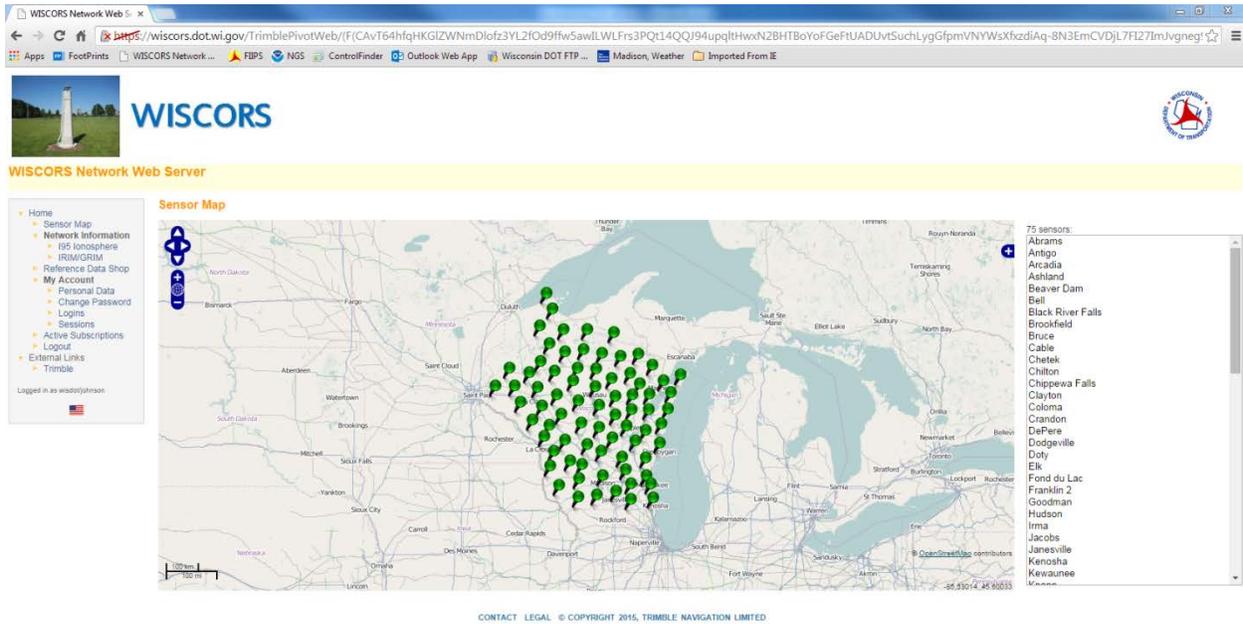
Step 1: Open Google Chrome and navigate to the WISCORS Network web server. Click the 'Sensor Map' link and the WISCORS web server page will load, but the map element will still be blocked and will show 0 sensors available.



Step 2: Click on the small shield icon on the right side of the address bar and select "Load unsafe script."



The base map and WISCORS station symbols will now load.

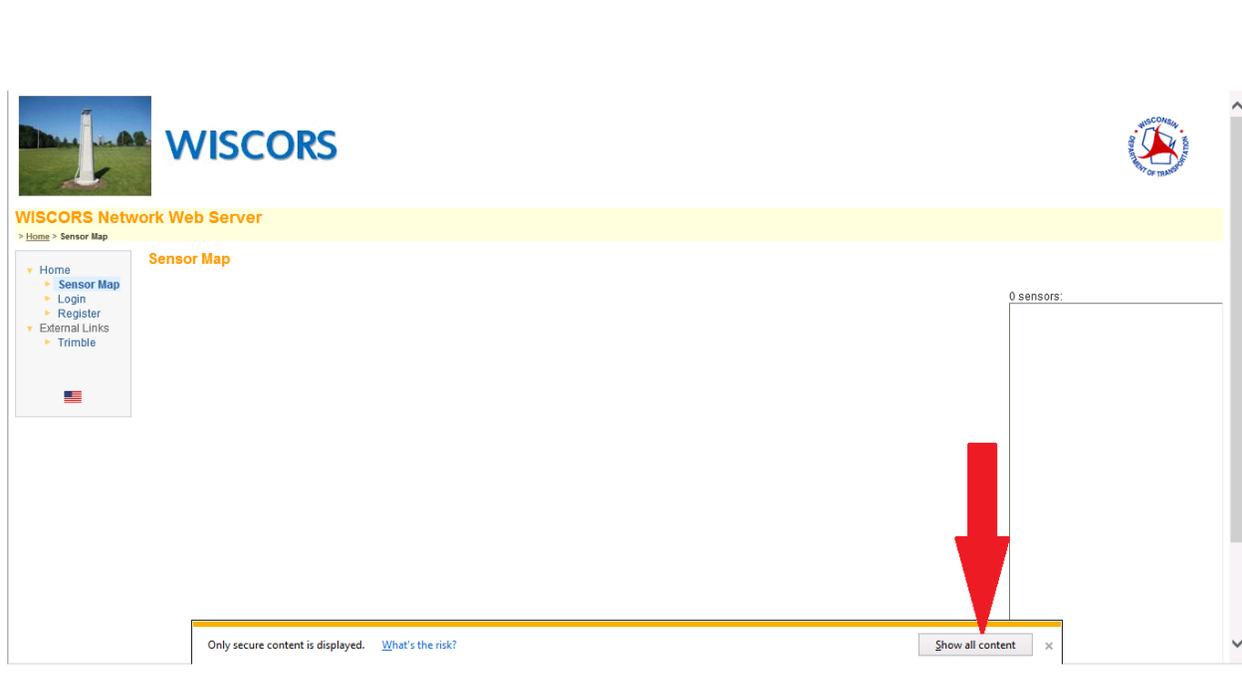


Note: The shield's setting will have to be changed each time the Google Chrome browser window is closed and reopened.

Internet Explorer:

Step 1: Open Internet Explorer and navigate to the WISCORS Network web server. Click the 'Sensor Map' link and the browser prompts with a warning "Only secure content is displayed."

Step 2: Click the "Show all content" box and the Sensor Map will display.



Note: The "Show all content" box will have to be clicked each time the Sensor Map is displayed.

Note: It is also possible to disable this prompt:

<https://support.microsoft.com/en-us/kb/2625928>

Q: If you are having problems accessing the WISCORS Network, before attempting to contact WisDOT, please consider the following:

Login deactivation

1. Every login must be associated with a valid email address.
2. Every login is renewed in advance of its annual service date, provided the email address associated with the login remains valid.
3. If your email address is no longer valid or the person who registered for the account has left your organization, the login may have been deactivated.
4. If your login has been deactivated due to an invalid email address, contact the [WISCORS Team](#) to update this information.

Other possible causes and suggestions (in no particular order):

1. Every rover device connected to the network requires a unique login. Confirm that another rover with your organization is not already connected to the network using the same login information.
2. Power cycle your equipment. A 'Power down' and 'Power up' of the equipment may resolve some connectivity and communication issues.
3. Check the login and password configured for the device.
4. Verify the IP Address and Port Number are correct.
 - a. The NTRIP Caster IP Address was last changed on December 7, 2014.
 - b. The NTRIP Caster IP Address will be changed on Sunday June 5, 2016.
5. Confirm that your modem or device is able to access the internet by navigating to a web site or another IP Address.
6. The NMEA position of the rover must be within 100 kilometers (62 miles) of the nearest base station to authenticate on the WISCORS Network. Attempts to test equipment configurations from outside of Wisconsin may fail for this reason.
7. The equipment vendor remains your best resource for support for your specific equipment and application.

Q: Systems Maintenance Fee

Please direct any questions, concerns, or comments regarding WisDOT's proposed [Systems Maintenance Fee](#) to Ray Kumapayi (WisDOT Chief Surveying and Mapping Engineer) and Jacob Rockweiler (WisDOT Height Modernization Program Manager).