

Interactive Flood Stage Map Help Manual

CITY OF MOORHEAD
Geographic Information Systems
500 Center AVE
Moorhead, MN 56560

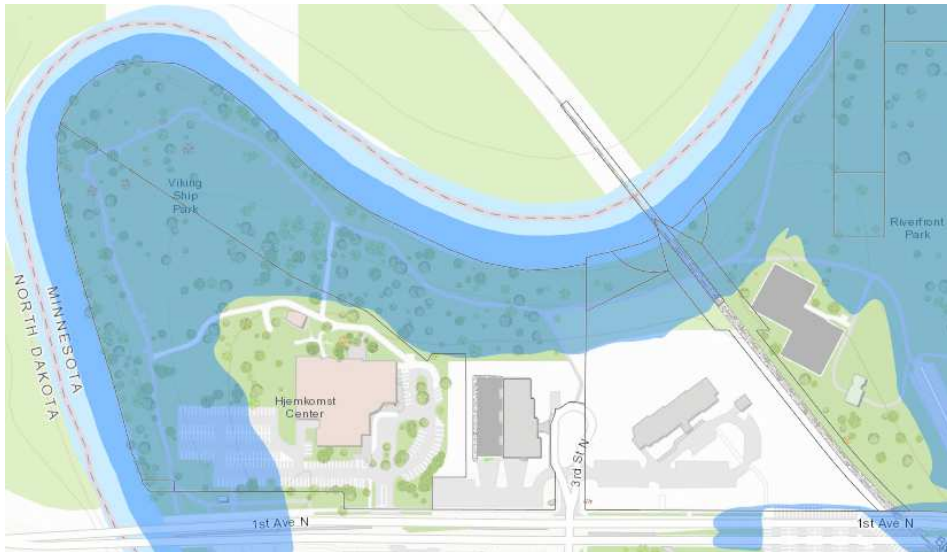


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Interactive Flood Stage Map User Interface

This GIS application provides information on the Red River flood stage levels that may affect properties and structures in the City of Moorhead.

This application is intended to provide information for the residents of the City of Moorhead. If additional information is required please visit the City of Moorhead’s Floodplain Information website at:

<http://www.cityofmoorhead.com/departments/engineering/floodplain-information>

The 1/2 foot river stages were derived from LiDAR elevation data acquired in May 2020.

- Areas of river flooding are shown in blue
- Areas protected by levees and floodwalls are shown in green

Some features of the mapping website include:

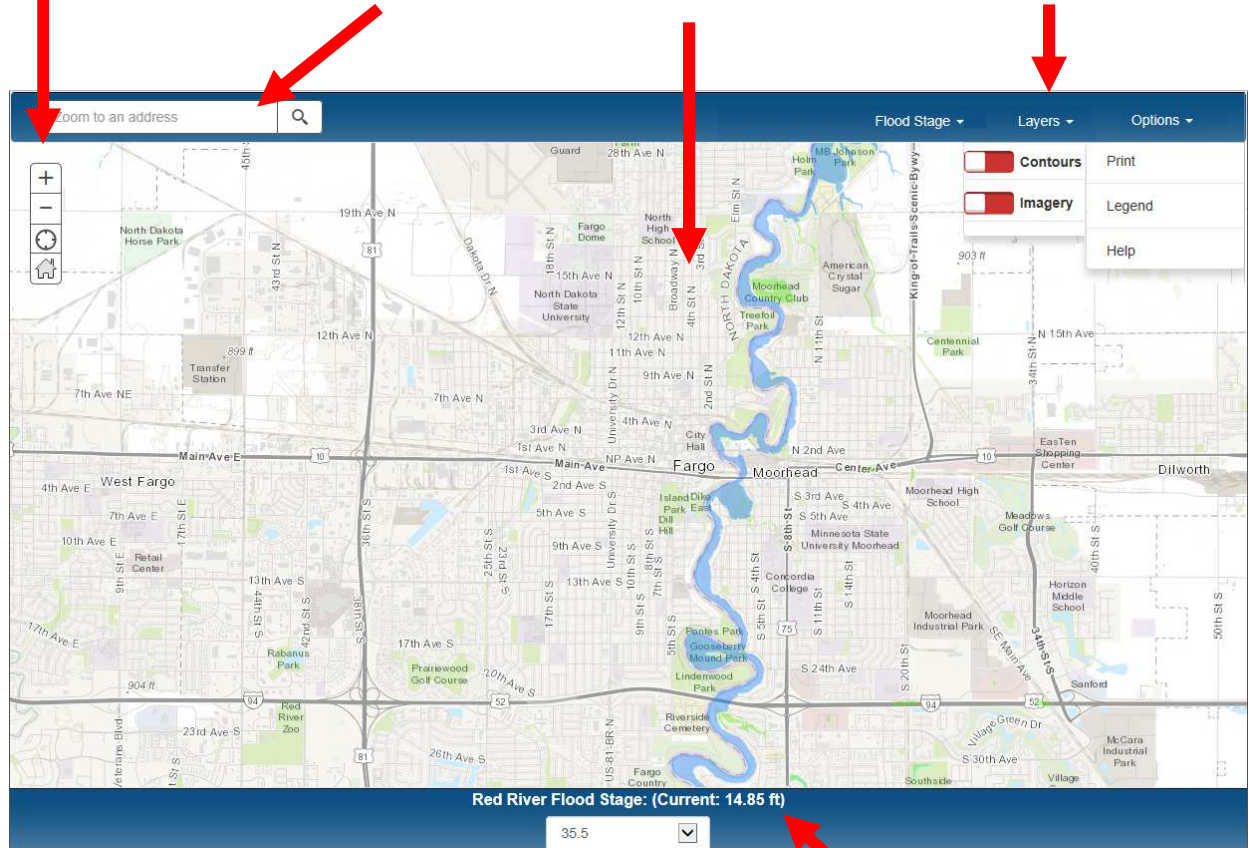
- Search by property address
- Viewing different ½ foot river stage inundation information
- Fast toggling from map to aerial photo views
- 1 foot contour information
- Ability to print the map screen

When the Red River rises above 24 feet the map will automatically display that River Stage when the application opens.

This GIS website is mobile responsive and will adjust to fit your device.

Interface:

Zoom Tools **Search Menu** **Display Area** **Main Tool Bar**



Flood Stage Menu

Current River Stage

Map Navigation:

To zoom out use this or the scroll wheel on your mouse

To Pan, click and hold the left mouse button.



To zoom in use this or the scroll wheel on your mouse

To return to the full map extent use the home button

Address Search:



To Search for a property address in Moorhead start by entering the house number and first few characters of the street number or name, then select the correct address from the list of possible matches and the map will zoom to the property.

The selected parcel property will be highlighted in a red dashed line with a pop-up window showing the flood elevations that could begin to affect the property and structure.

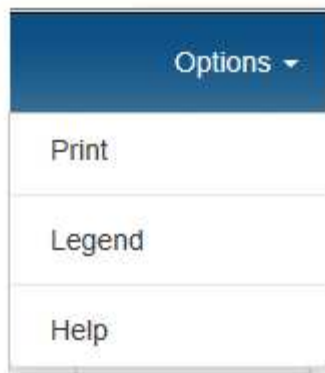
Tools and Layers:



Leave the Flood Stage Toggle on for the Red River



To view the 1 foot contours or the May 2020 aerial photo just toggle on their switch in the Layers Menu



To Print a map, view the Legend, or access the Help document (this document) use the Options Menu

Flood Stages:

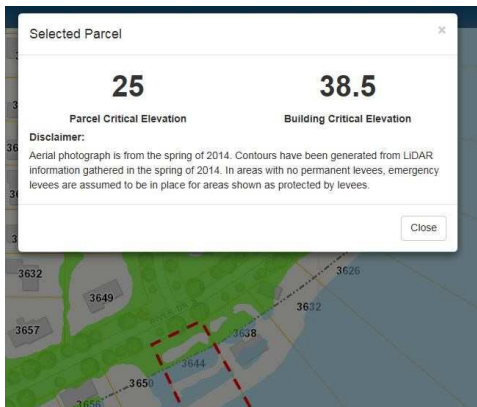
Red River Flood Stage: (Current: 14.85 ft)

35.5



Click on the flood stage menu to display a flood stage level. The area affected by flooding at that river stage will be displayed in transparent blue.

Property Information:

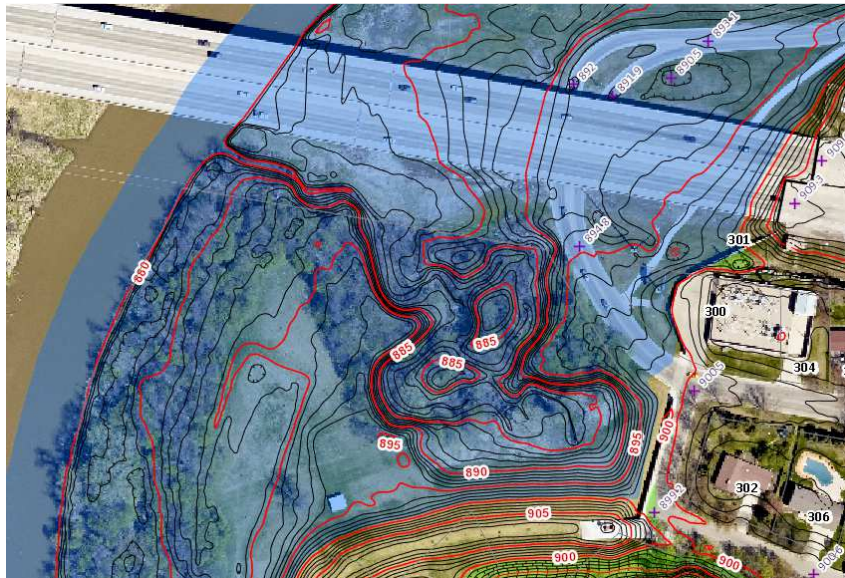


Click on a parcel – or perform an address search to select a parcel property. The property parcel will be highlighted with a red dashed line and the pop-up window displaying the river stages that begin to affect a property parcel or a building structure will be shown. If the property and/or structure are not affected by a 24 to 44 foot flood stage, N/A will be displayed.

* If the Property is in the **Green** shaded area it is protected by a levee or a floodwall.

The highest flood stage listed will be displayed.

Contours:

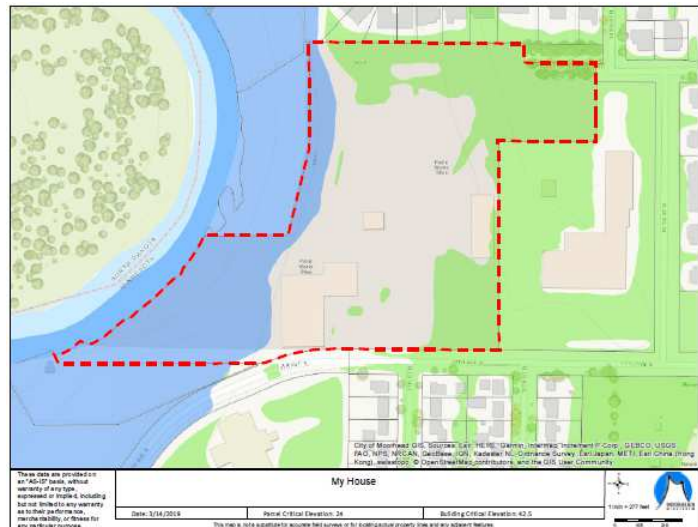
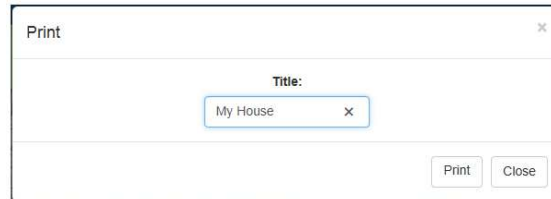
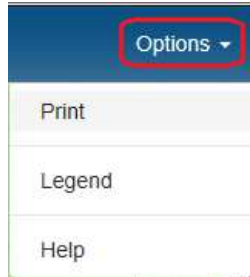


Click the Contours toggle on to display the 1 foot elevation contours. The contour lines are labeled at every 5 feet. Elevations are in feet above sea level.

Print Map:

The **Interactive Flood Stage Map** has a map template configured which makes it easy to create and print maps of the display area. The print menu allows a custom title to be added, and includes the date and critical elevations for the property parcel that is selected.

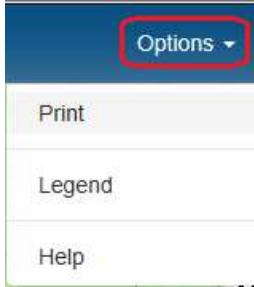
Select Print from the Options Menu, then enter a title for the map.



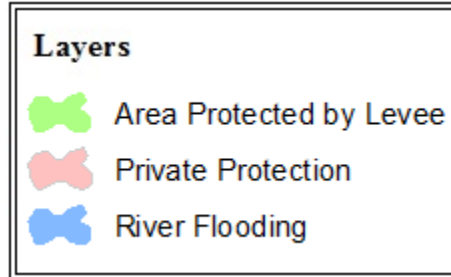
To Create Map:

- **Zoom In/Zoom Out** to the desired map area, or **Pan** to get the features to appear on the map as you want them.
- Click the **Print** button; a Title dialog box will open.
- Type in a Title for your map, and click on Print.
- Depending on the type of internet browser, you can save the map or select the print option in the browser program.
- Each printer has a different set up. The map template is set to 8.5 x 11 inches.
- You can save a copy of the map for printing or emailing later by clicking on File and choosing Save_As.
- Browse to the directory location you want to save the .pdf file. You may rename the file.
- Click File then Exit to exit the map.

Legend & Help:



The Legend and this Help document can be accessed by using the Options Menu.



Disclaimer: This map information is made available as a public service, and is to be used for reference purposes only. The City of Moorhead, MN, makes no representation or warranties, express or implied, with respect to the use or reuse of the data provided herewith, regardless of its format or the means of its transmission. The map information is provided "as-is" with no guarantee or representation about the accuracy, currency, suitability, performance, merchantability, reliability, or fitness of the data for any particular purpose. Moorhead, MN, shall not be liable for any direct, indirect, special, incidental, compensatory or consequential damages or third party claims resulting from the use of this information, even if the City of Moorhead, MN, has been advised of the possibility of such potential loss or damage.