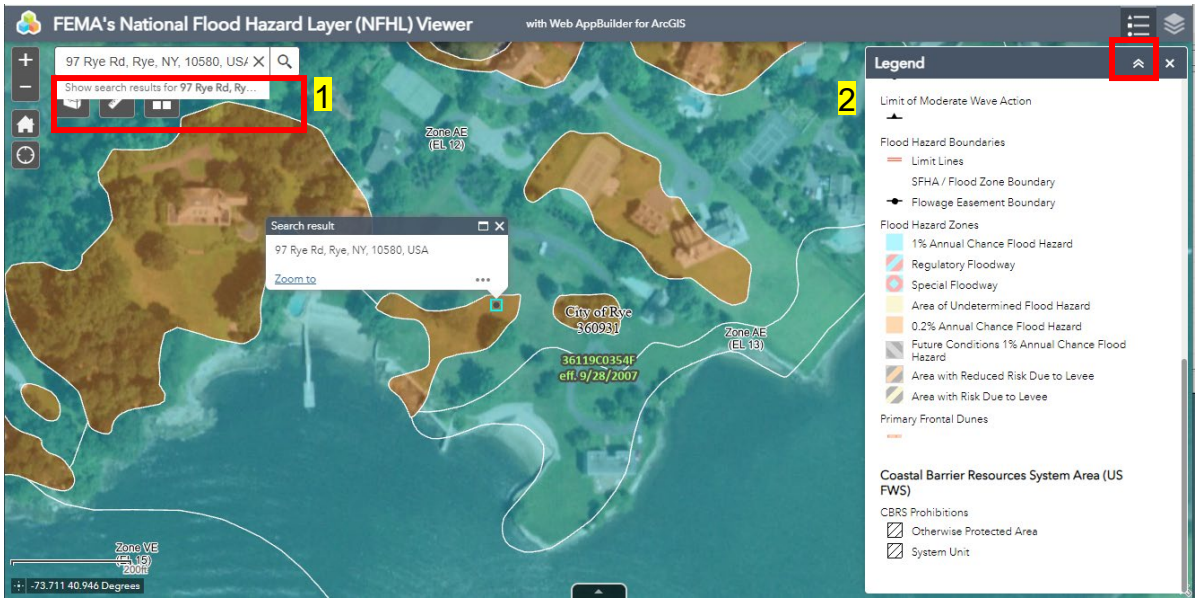
Flood Resiliency Requirements for WQIP and NPG grant applications

If the project is within a 0.2% (500 year) or 1% (100 year) annual chance of occurrence floodplain, a floodplain map must be submitted with the application with the location of the project indicated.

Steps for floodplain determination and including maps for WQIP/NPG submissions using either:

A. FEMA's National Flood Hazard Layer (NFHL) Viewer (digital-based maps),
B. FEMA's Map Service Center (digital-based maps),
C. FEMA's Map Service Center (paper-based maps), or
D. Other acceptable sources

A. FEMA's NFHL Viewer: [FEMA's National Flood Hazard Layer (NFHL) Viewer (arcgis.com)]

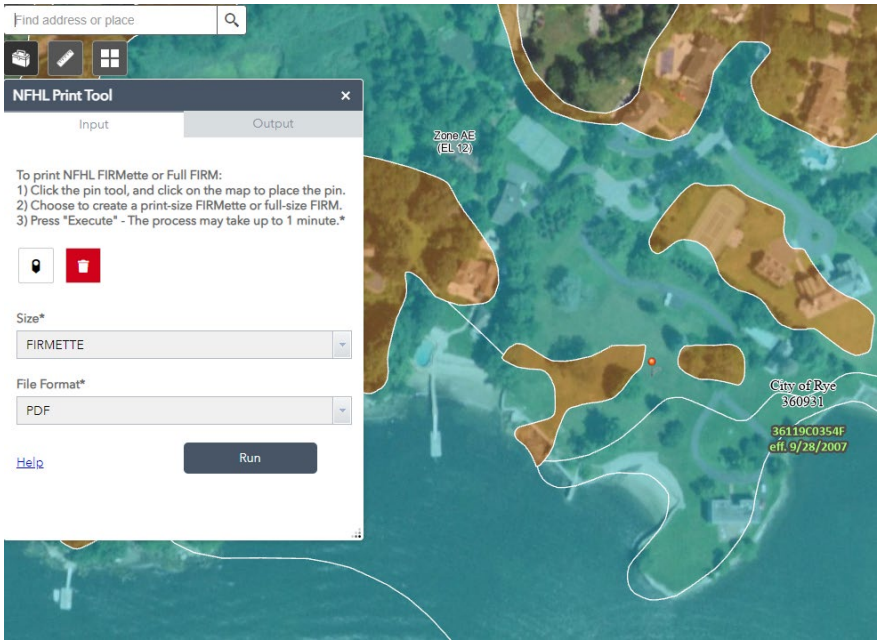


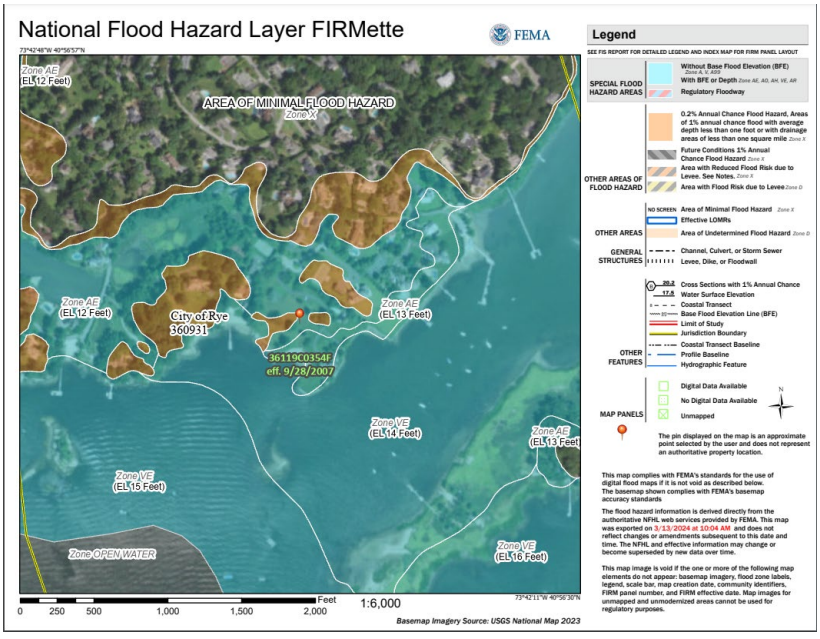
1) Once the viewer is open, use the address search bar to search for the project location.

2) Use the icon on the top right of the screen to open the Legend. By scrolling down, you can access the symbology for the Flood Hazard Zones. In this application, the blue areas indicate the 1% annual chance floodplain (100 year) and the orange areas indicate the 0.2% annual chance floodplain (500 year). Areas with the red and blue hash marks are within the regulatory floodway. Areas with no layer designated over the aerial imagery are located outside of the mapped floodplain.

Refer to the “Project Location Map” being submitted with the grant application. If any portion of the project as indicated on this map falls within the 1% or 0.2% annual chance floodplain or the regulatory floodway, a floodplain map must be attached with the application.

Use the NFHL Print Tool button to print a FIRMette of the project location. Follow the instructions to create a PDF.

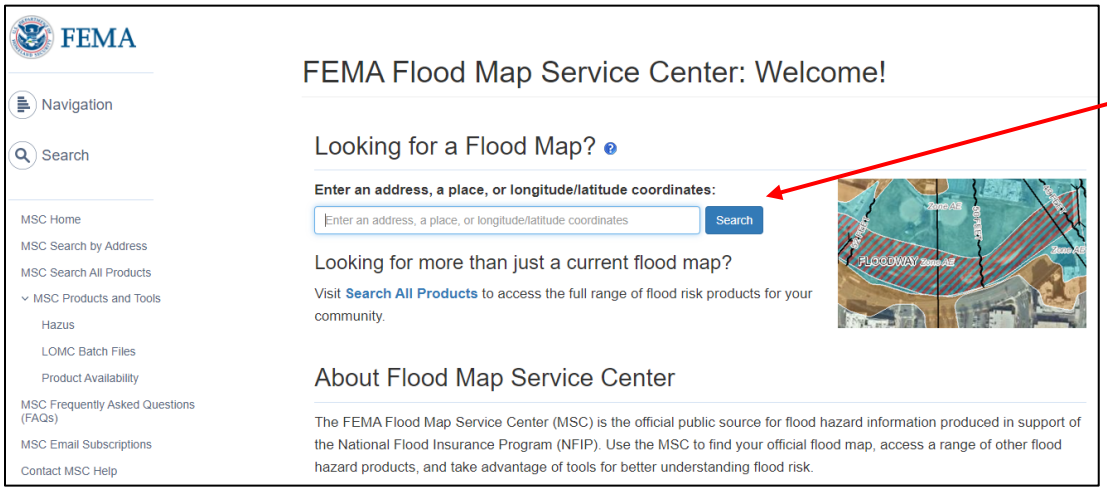




Attach this FIRMette with your project application as the required floodplain map.

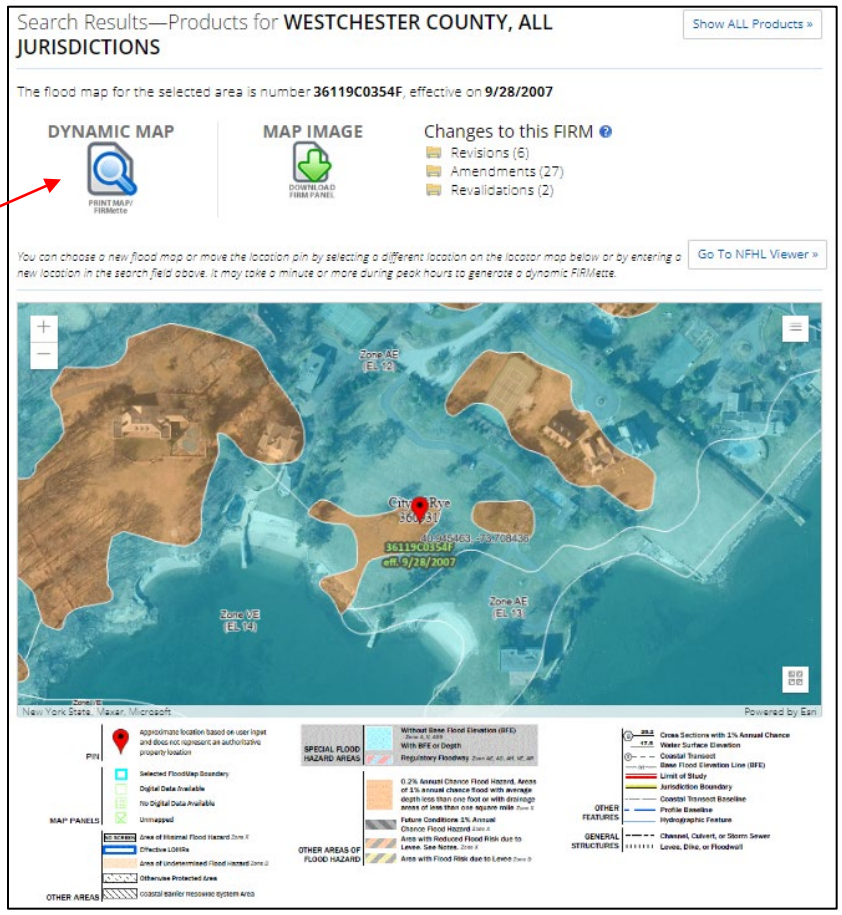
** Note: some communities do not have digital mapping and the floodplain layers will not display. Dotted green symbology indicates the area does not have digital data available. Refer to the paper maps in the Map Service Center (**see Section C**) **

B. FEMA's Map Service Center: [FEMA Flood Map Service Center | Welcome!]



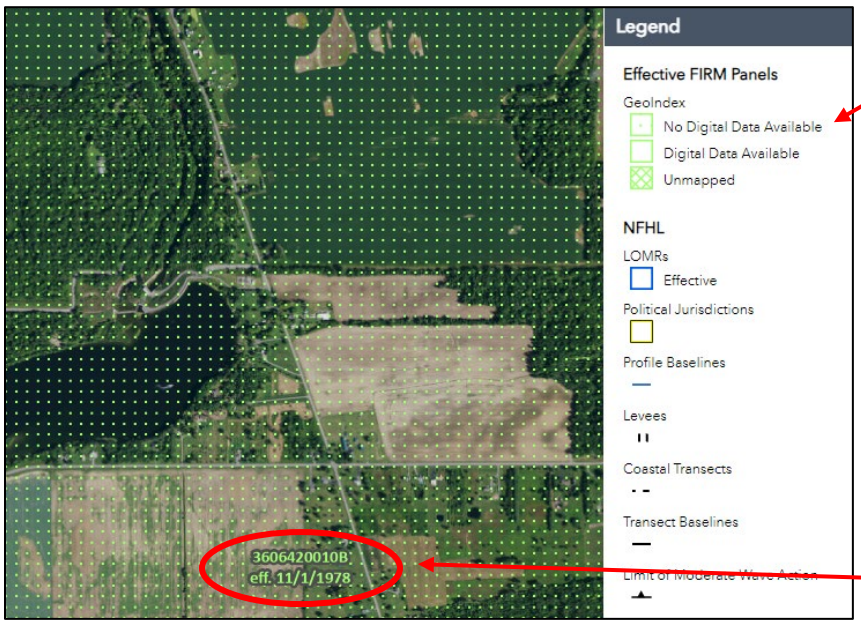
Use the Search by Address function to zoom directly to the project location.

Create a FIRMette by clicking on "Dynamic Map"



The FIRMette created with the Map Service Center will look the same as the map created using the NFHL Viewer. Attach the FIRMette with your project application as the required floodplain map, if any portion of the project falls within the 1% or 0.2% annual chance floodplain or the regulatory floodway.

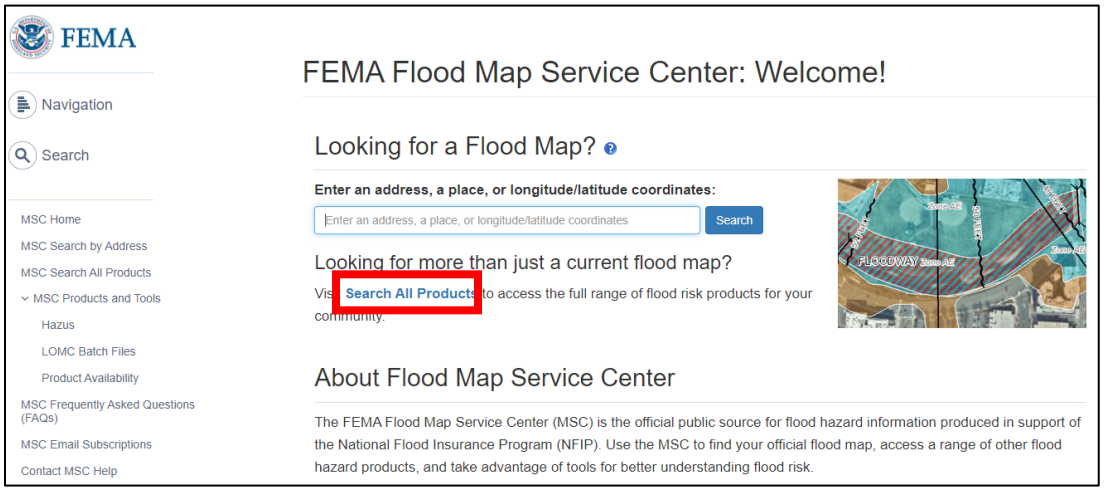
C. FEMA's Map Service Center: [FEMA Flood Map Service Center | Welcome!]
"No Digital Data Available" – Paper Floodplain Maps



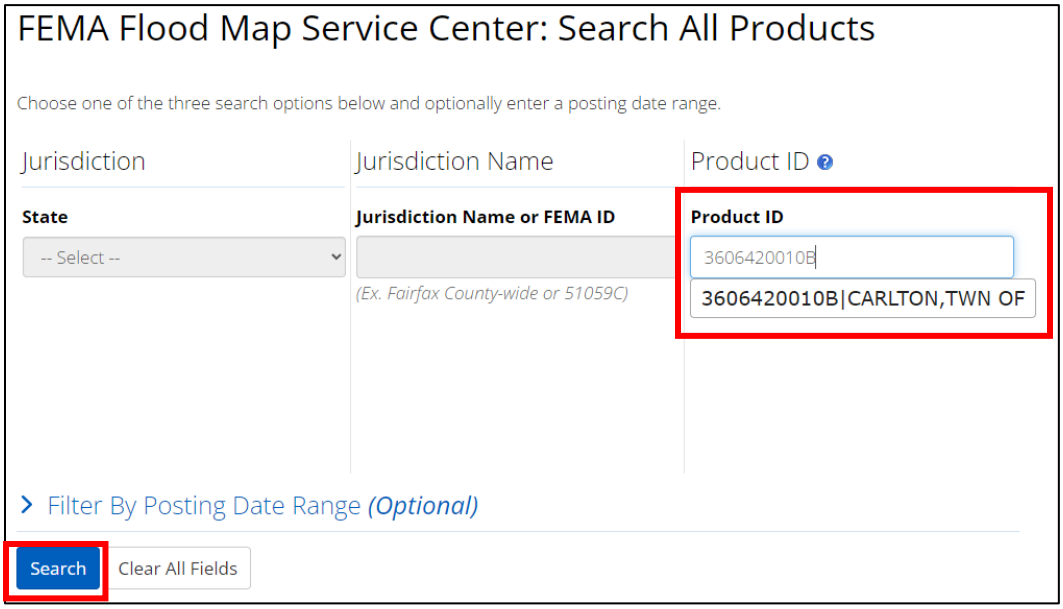
If dotted green symbology covers the project area, there is no digital data available. Refer to the paper maps in the Map Service Center.

FIRM panel 3606420010B

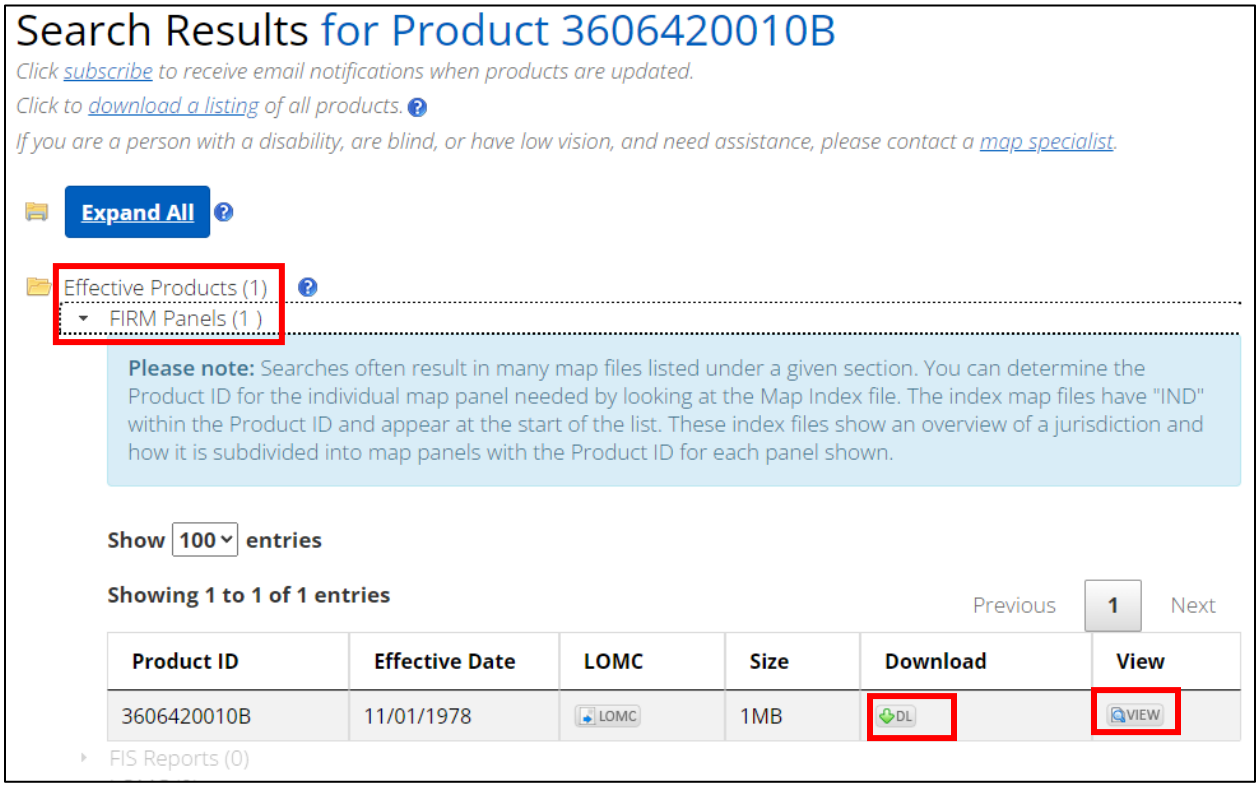
Use the Search All Products function in the Map Service Center:
[FEMA Flood Map Service Center | Search All Products]



Enter the FIRM panel number in the Product ID search bar and click Search.



Expand the Effective Products tab and FIRM Panels tab. Either download the entire FIRM panel or click View to create a more zoomed in map (FIRMette). Some products will have multiple map panels included in one download file and it will be important to use the index panel to find the applicable map panel for your project location.



Review the floodplain map that has been opened using Download or View. Is any portion of the proposed project located in the mapped 1% or 0.2% annual chance floodplain?

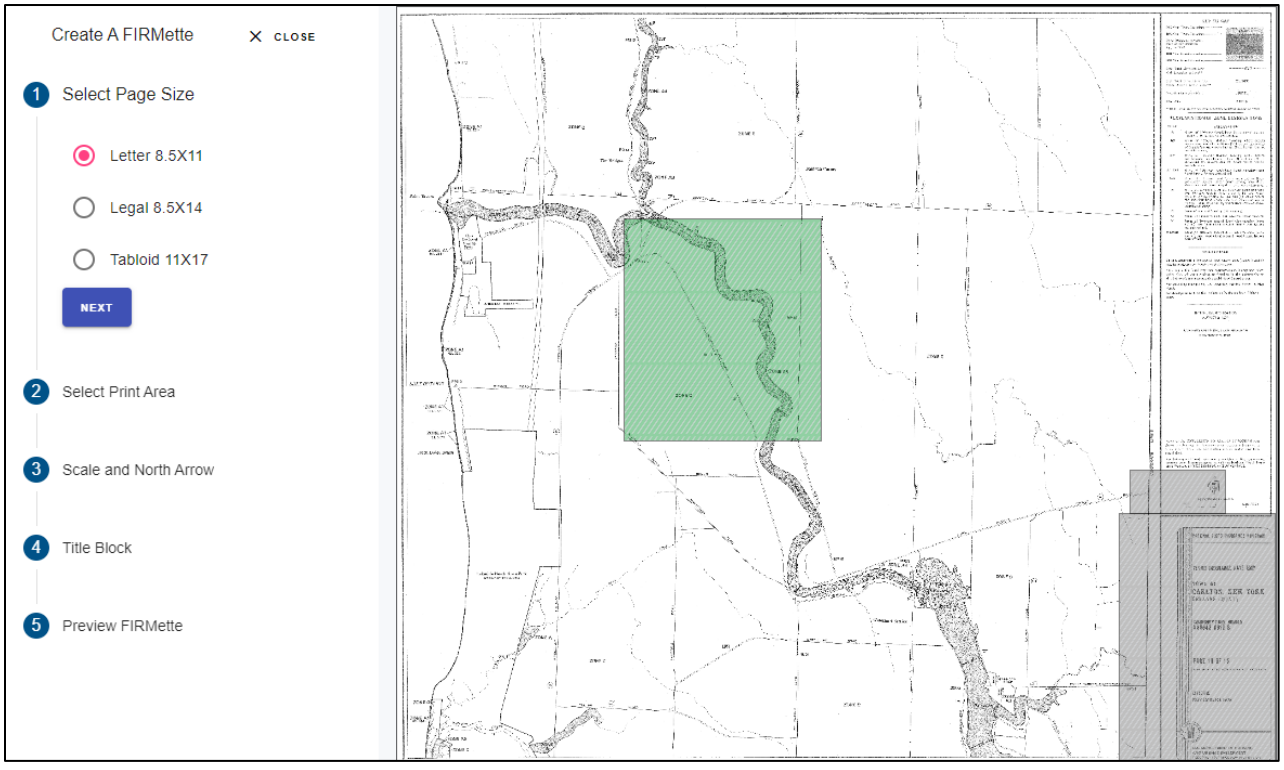
- If the proposed project is located in the dark shaded area or in a Zone starting with A or V, it is located within the 1% annual chance (100 year) floodplain. A floodplain map must be submitted with your application.

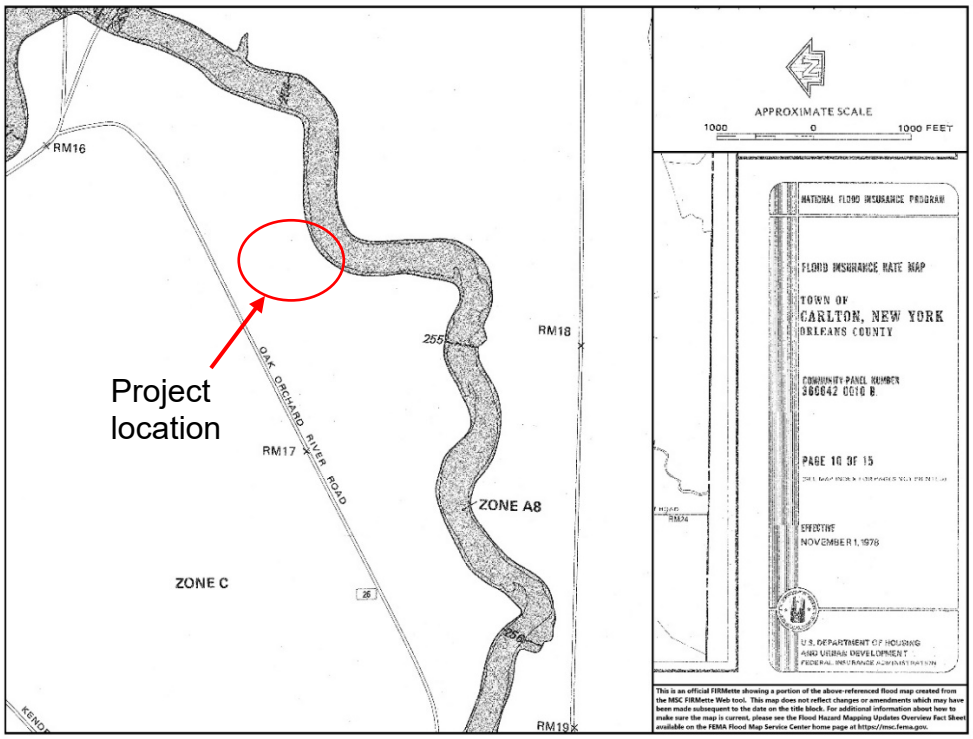
- If the proposed project is located in the lighter gray shaded area or area labeled Zone B or Zone X (shaded), it is located within the 0.2% annual chance (500 year) floodplain. A floodplain map must be submitted with your application.

- If the entire proposed project is located outside of the 1% annual chance and 0.2% annual chance floodplain, a floodplain map is not required to submit with your application. It would fit this criteria if it is located in Zone C or Zone X (unshaded).

If a floodplain map is required: After clicking View, select the + CREATE A FIRMETTE button.

Follow the instructions to line up the Print Area boxes with the project location and download the final FIRMette.





The final FIRMette can be submitted as a floodplain map with your application. It would be helpful to indicate the project location on the floodplain map.

D. Other sources

- County GIS map viewer with FEMA mapped floodplain layers included.
- Floodplain map created by engineer or contractor for project, containing the project location relative to the 1% and 0.2% annual chance FEMA floodplain layers.

Contact the NYSDEC Floodplain Management section with any questions about acceptable maps to attach for WQIP/NPG applications or for any assistance with creating a map.

NYSDEC Floodplain Management Section Contact Information:

New York State Department of Environmental Conservation
Bureau of Flood Protection and Dam Safety
625 Broadway, 4th Floor, Albany, NY 12233-3504
(518) 402-8185
Floodplain@dec.ny.gov