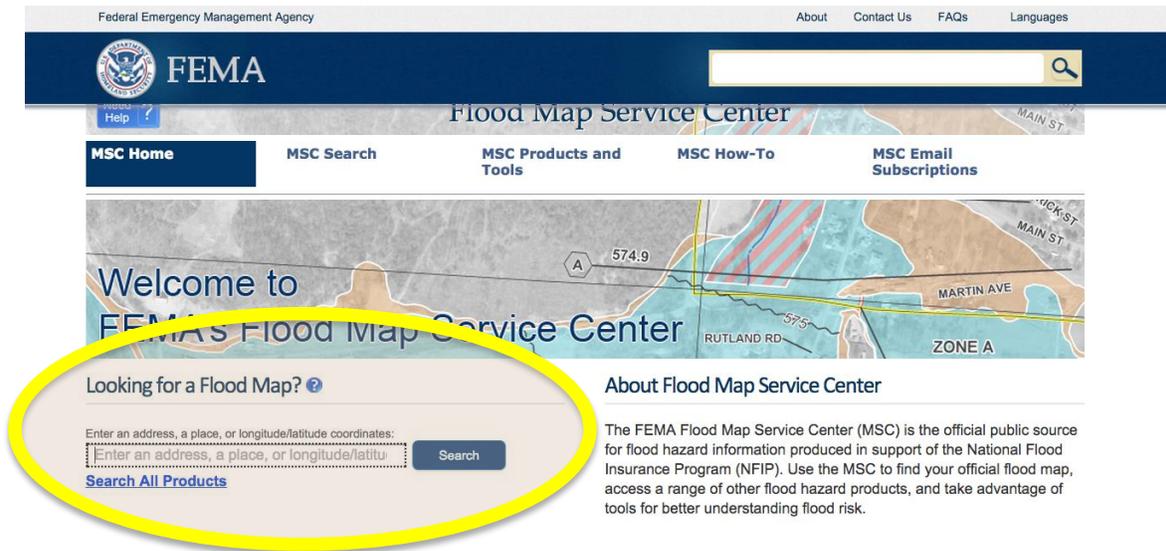
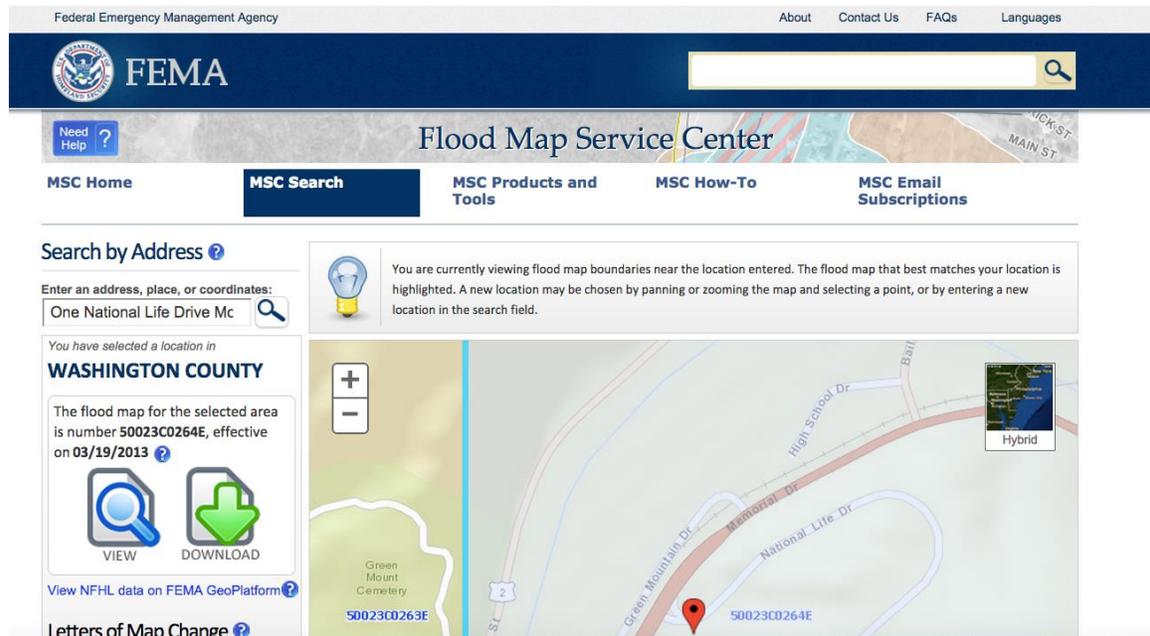


Steps on How to Make a Flood Map

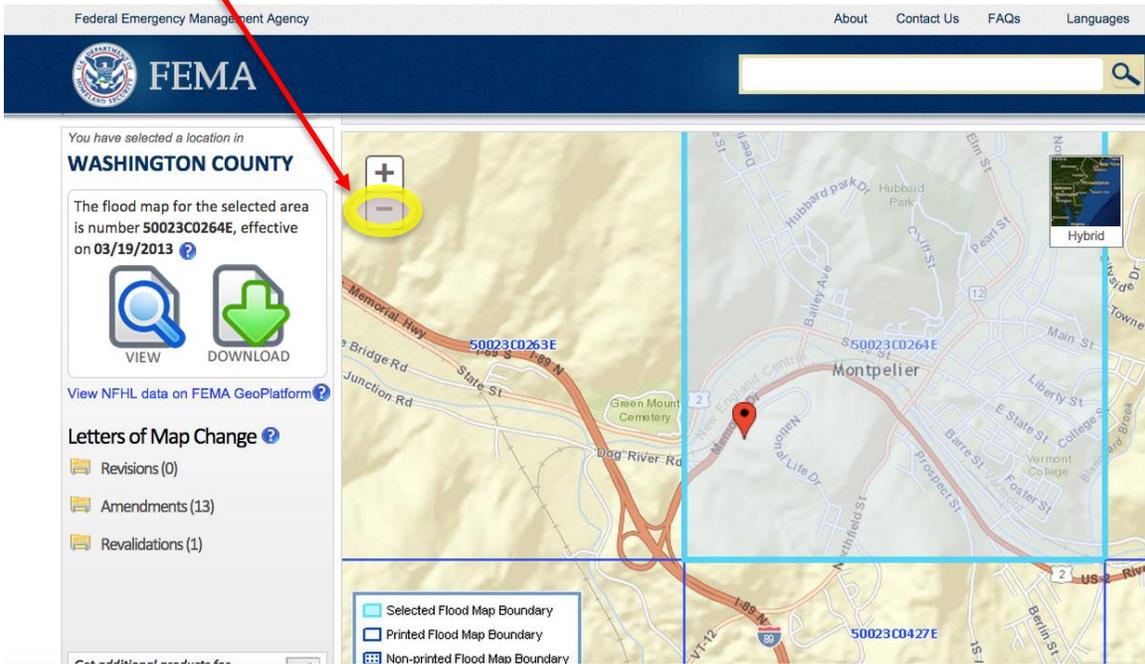
Step 1. Go to the FEMA maps [website](#). Enter the Project location and select Search.



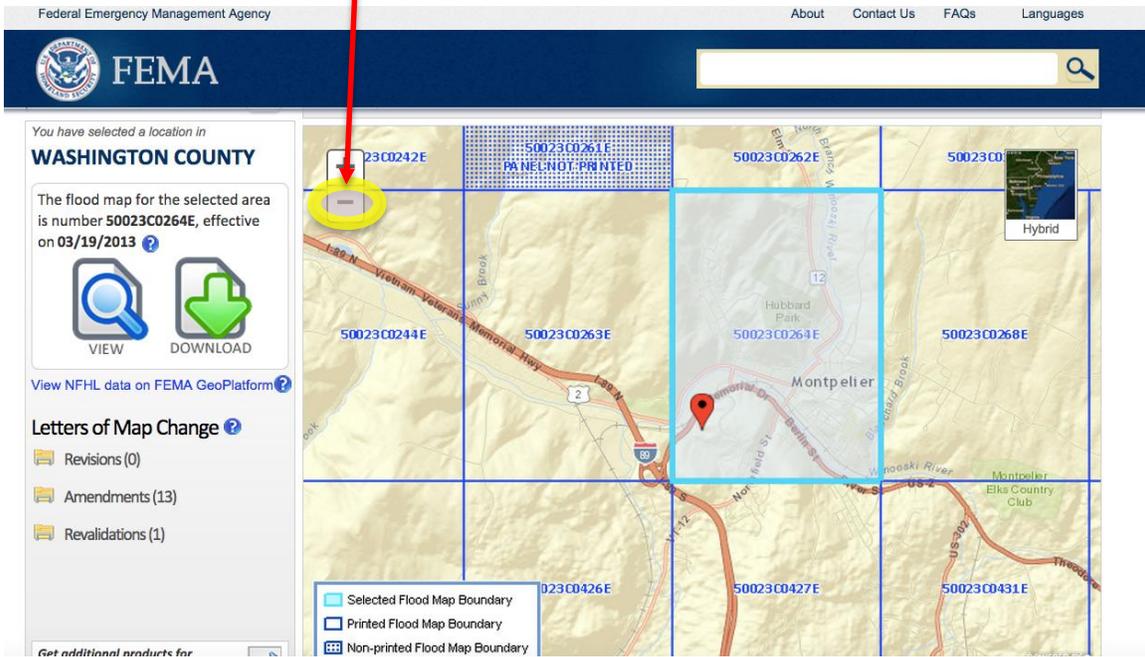
Step 2. A new screen will populate, as shown below.



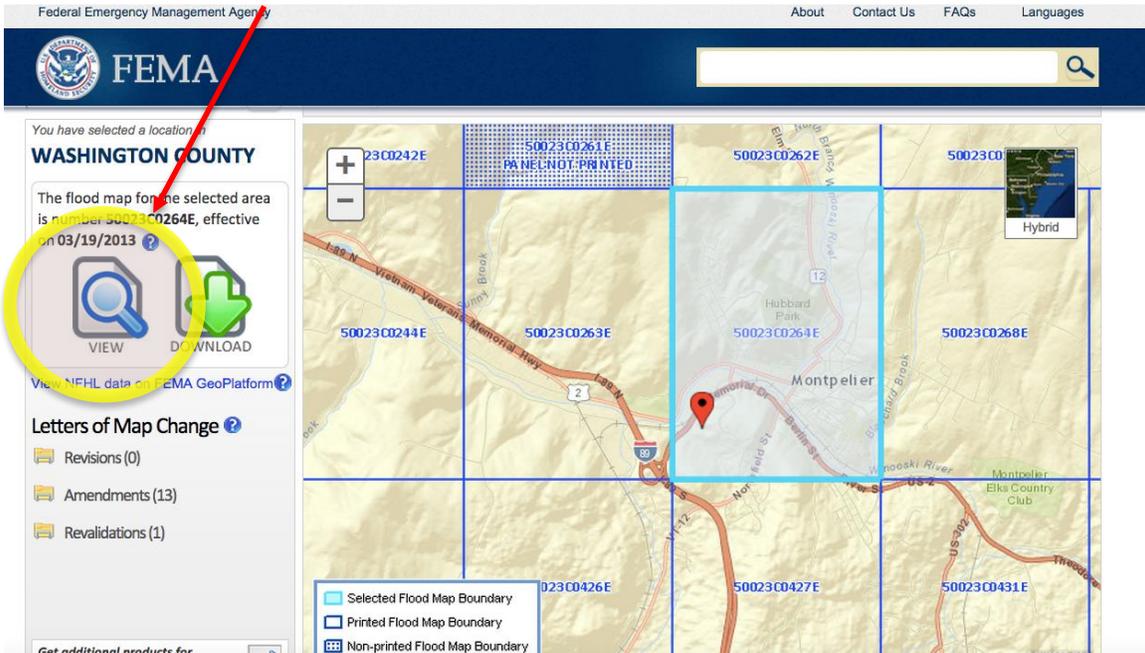
Step 3. Zoom out to show the entire map panel as demonstrated below.



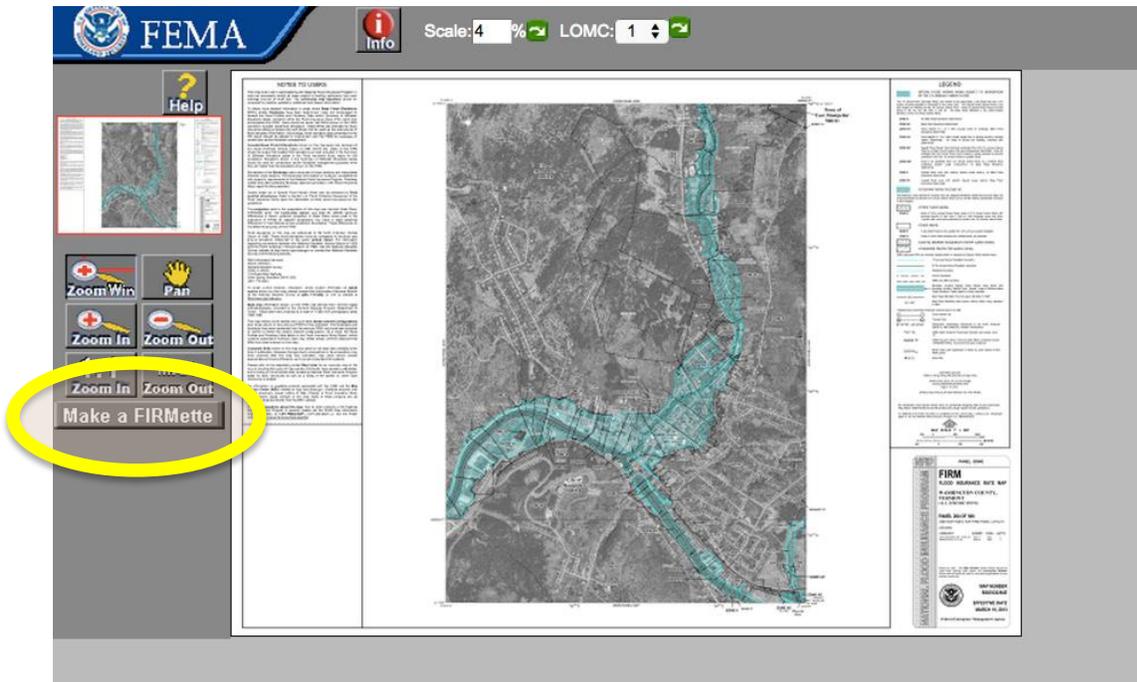
Step 4. Continue to zoom out until you can see the entire map panel as indicated below.



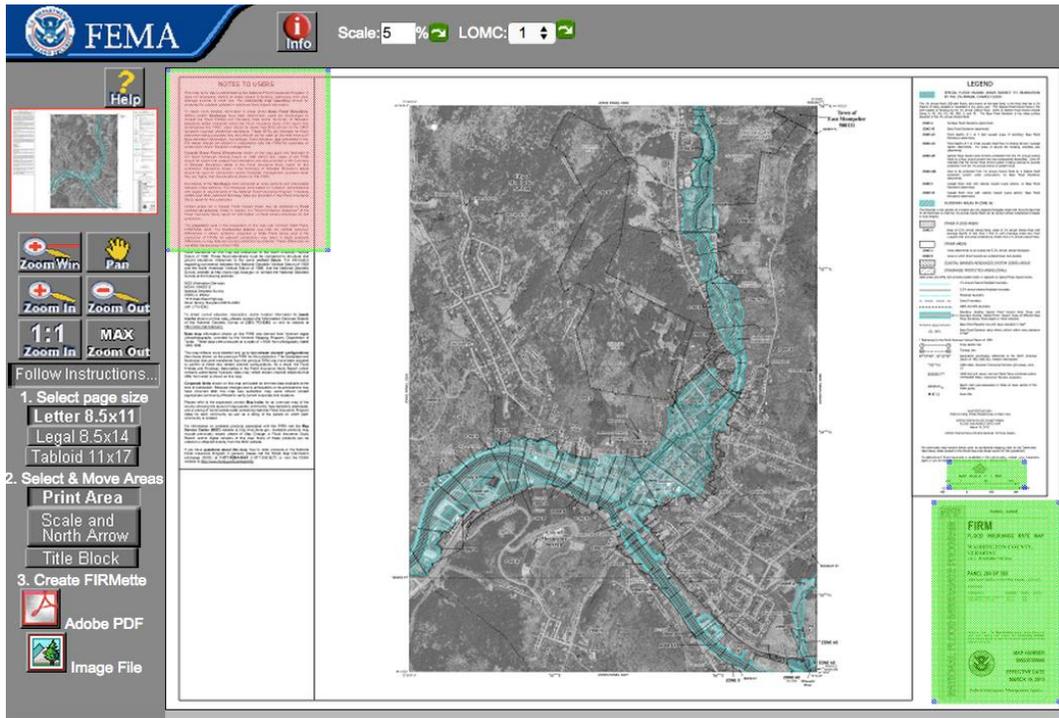
Step 5. Select the View button and a new page will populate as shown below.



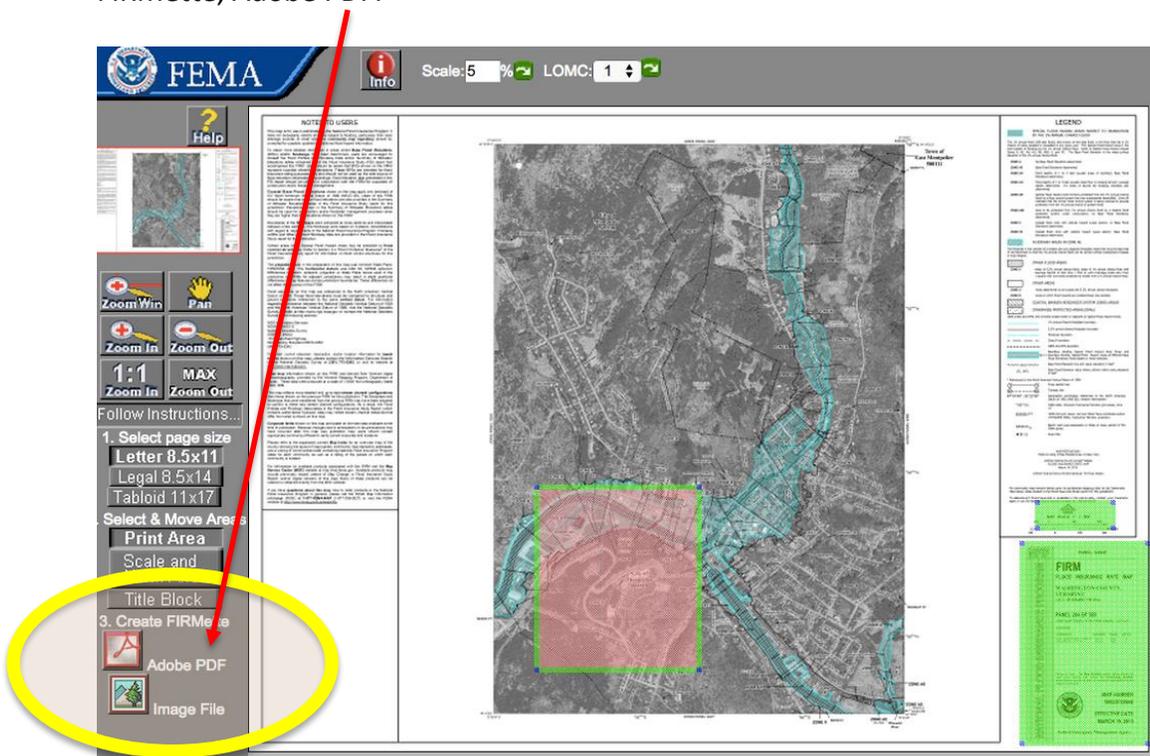
Step 6. Select Make a Firmette.



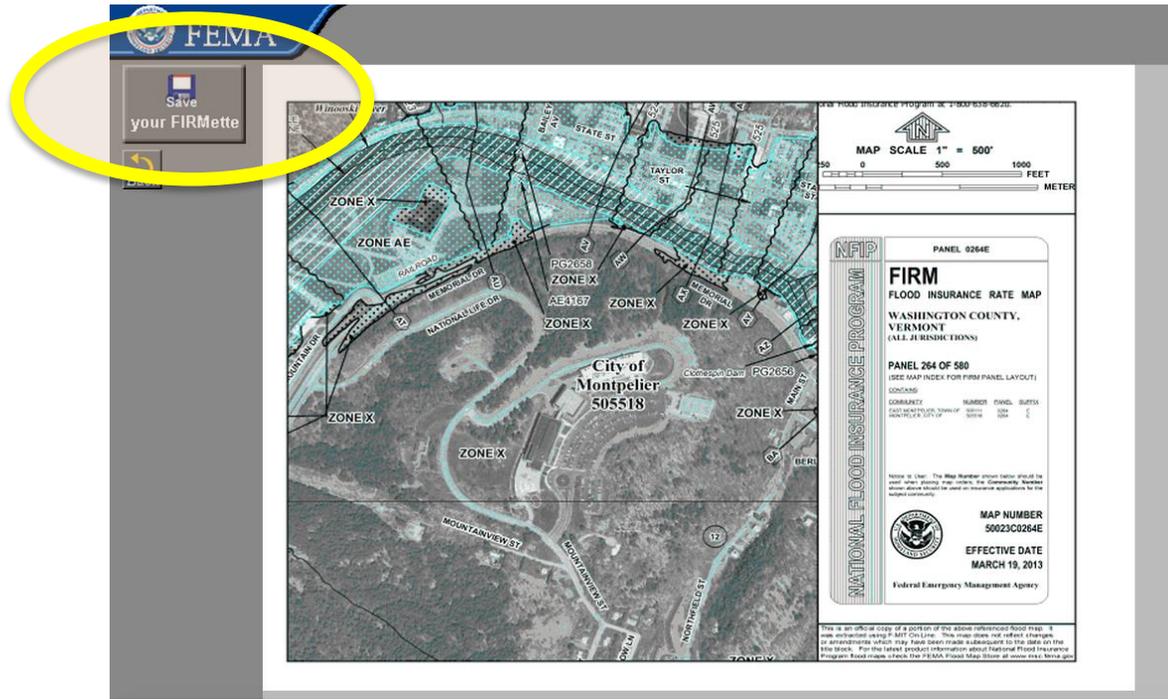
Step 7. A pink box will populate on the map, as shown below.



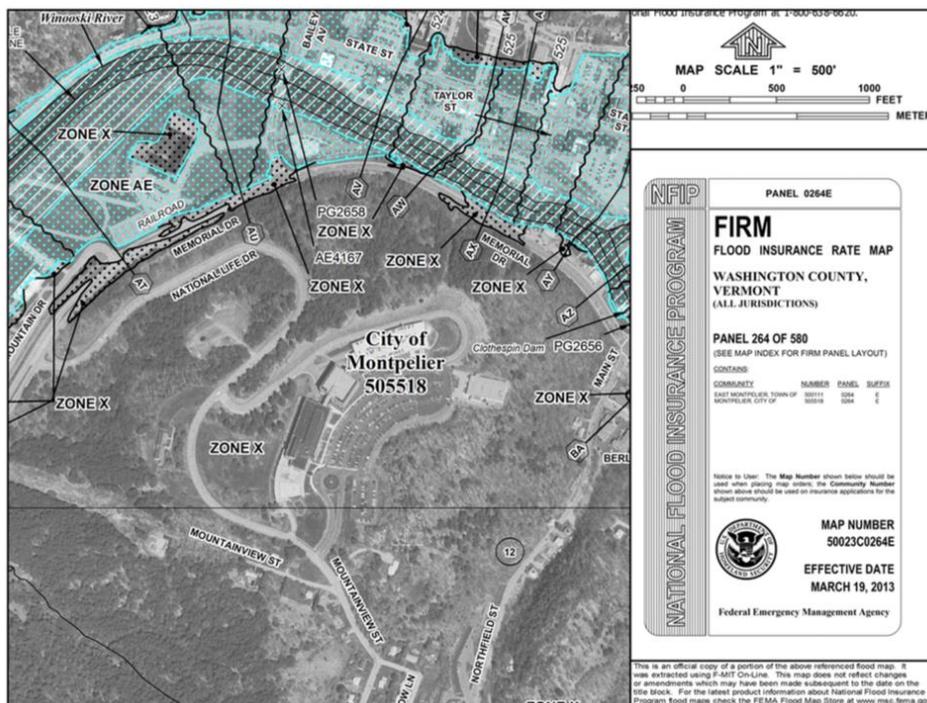
Step 8. Move the pink box to encompass the entire Project area. Select Create FIRMe, Adobe PDF.



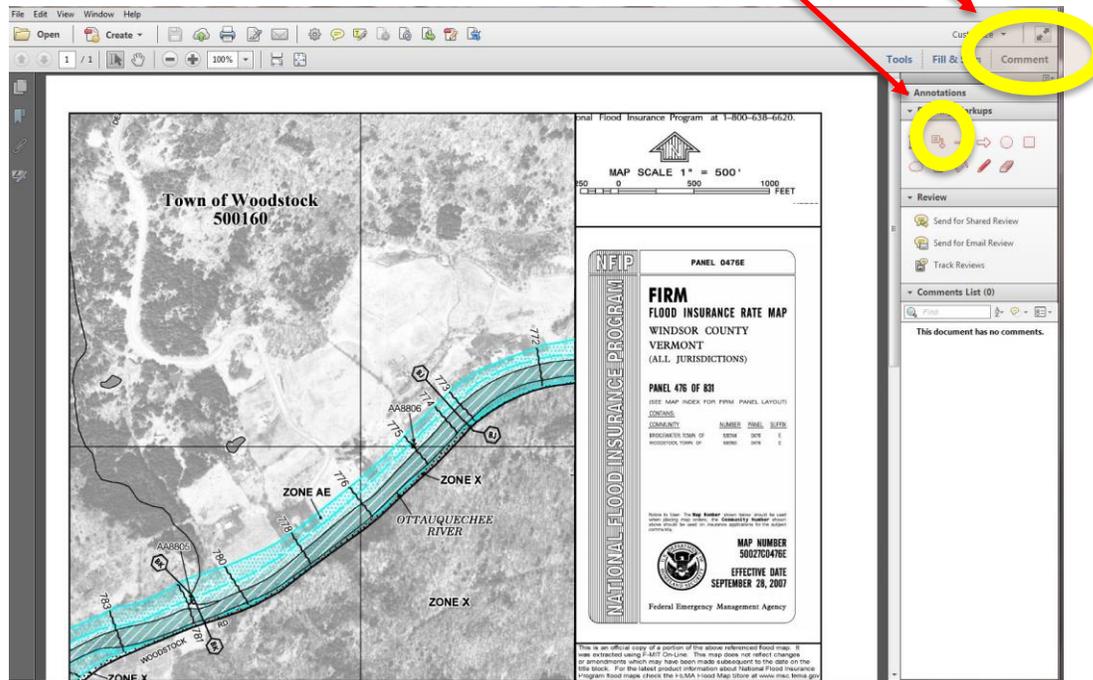
Step 9. Click Save your FIRMette.



Step 10. The next page that populates is the new FIRMette.



Step 11. Open up your FIRMette as a pdf. Select the Comments feature on the upper right hand side, as shown below. Select the arrow feature to point to the Project Area/Property boundaries on the map.



Step 12. Define the project/property boundaries. This is very important. (Please note: If you submit a FIRMette without project boundaries, it will be returned for edits.) For example, if a project is taking place on 1 acre of a 10-acre property – the FIRMette must include the 10-acre boundary. It is acceptable to denote the project area and the property boundaries if they are different.

Step 13. Upload your labeled FIRMette to the Supporting Documents page.

Step 14. Determine if the Project Area contains 100-year floodplain, 500-year floodplain, or floodway and discuss in the checklist and additional documentation if needed (e.g. 8-step). FEMA maps were created in different years. The older the map, the more basic the map may be and the legend may be different. The newer maps include an aerial background as shown in this example. For newer maps, areas without and shading are not in the 100-year, 500-year, or floodway. Here is a legend to help you determine if your project area contains some of these flood hazard areas.

LEGEND



SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

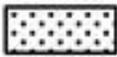
The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.



FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.



OTHER FLOOD AREAS

- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.



OTHER AREAS

- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.

Note: Older FEMA maps will not include color shading.