Using the 2016 FEMA Floodplain (FIRM) Web Mapping Application

Brought to you by Burlington County, NJ

http://arcg.is/2n1slJY

or mobile device friendly version at http://arcg.is/0TL0e9

This map is for review by government agencies only and does not contain official data. It displays the 2016 FEMA Floodplain Preliminary (FIRM) released in April 2016.

This map allows for the review of FEMA 2016 Preliminary Floodplain (FIRM) released in April 2016. **It is important to note that this is for information and comparison purposes only and cannot be used directly for flood insurance purposes. The map's data is not a regulatory product. The intended audience of this mapping application is Burlington County, NJ's Community Leaders and Floodplain Administrators.**

Official flood insurance maps need to be obtained from FEMA directly (https://msc.fema.gov/portal) .

TIPS FOR USE:

Zoom in on the map to see more detailed information draw.

Use the search bar to look for:

- an **address**
    - default setting or **Esri World Geocoder**
    - **County parcel address with zone** (format is street address, town)

- **Township-Block-Lot** (format is 4DigitMunicipalCode-Block-Lot. Ex. 0316-10-11 is Block 10, Lot 11 in Hainesport Township. Click on a township boundary to find the municipal code).
- **Property owner** (format is Last name, First name. Ex. Doe, John).

Zoom in and out by using the navigation tools in upper left, the scroll wheel of your mouse or by **holding the shift key and clicking & dragging a rectangle with your mouse**. You can also use the B**ookmarks** tool to choose a specific township and zoom to it.

Click on features to see a pop-up with more information.

Hover your mouse over the various tools on the toolbar to see what they do. You can

- zoom to the original extent of the map (**Home**)
- view the **Legend**
- view the **available Layers** (this is where you would turn layers on or off)
- see an **Overview map**
- **measure** area, distance, get coordinates
- see these **Details**
- choose from preset **Bookmarks** to zoom to a particular municipality

Note that some layers will not draw until you have zoomed into a level of detail where they will be meaningful. If layer names are gray in the Layers list, they cannot be drawn at the current scale. For example,

- County bridge structures (Bridges, Weight-restricted bridges, Culverts, Crossdrains (aka pipes)) draw at about 1:76,800
- Detailed FEMA data (Structures, Areas Changed since Last FIRM, Base Flood Elevations, Flood Hazard Zones) draw at 1:19,200
- Property boundaries draw at 1:4,800

Manually drawing layers: While many layers draw automatically, some need to be drawn manually. This can be accomplished by clicking the **Layers** tool which will open a window listing all the layers even if they aren't drawn. Click the box next to the layer name to draw it. You may need to expand groups to see the sub-layers by clicking the arrow on the right.

Layers that need to be manually drawn include:

FEMA Type of Change Since Last FIRM group (this is a group of layers that allows the user to look at how various polygons have changed since the last Flood Insurance Rate Map was created.   There are 3 types of change that can be displayed as explained below. Each will draw as a solid fill polygon when viewing a large area and as a transparent fill polygon when viewing smaller areas of the map.

FEMA Type of Change Since Last FIRM group – sub-layers:

- **Seasonal Flood Hazard Area Change (SHFA)** – shows whether the polygon had an Increase, Decrease or Zero change in the Seasonal Flood Hazard Area (SFHA – 1% or 100 year flood) based upon the previous and new flood zone determinations.

- **Floodway Area Change** – shows whether the polygon had an Increase, Decrease or Zero change in the type of floodway based upon the previous and new flood zone determinations.

- **Non-Seasonal Flood Hazard Area Change** – shows whether the polygon had an Increase, Decrease or Zero change in the Non-Seasonal Flood Hazard Area (Non-SFHA – 0.2% or 500 year flood) based upon the previous and new flood zone determinations.

Source information:

- Municipal boundaries are provided by the NJ Office of Information Technology, Office of GIS.
- Roads and parcels were created and are maintained by the Burlington County, NJ Department of Information Technology, GIS Section
- The following were part of the FEMA 2016 Preliminary (FIRM) data downloaded by Burlington County from the FEMA [FEMA Map Service Center](#):
    - Limit of Moderate Wave Action (LiMWA - inland limit of the area expected to receive 1.5-foot or greater breaking waves during the 1-percent-annual-chance flood event.)
    - Coastal Transect Lines
    - Coastal Barrier Resources (CBRS)
    - FIRM Panel Boundary (shows the geographic extent and panel number for the corresponding FIRM (Flood Insurance Rate Map).
    - Areas Changed since last FIRM
    - Structures (FEMA line layer)
    - Base Flood Elevations (BFE - elevation that indicates the water surface elevation resulting from a flood that has a 1% chance of equaling or exceeding that level in any given year.)
    - Flood Hazard Zones (SHFA – Special Flood Hazard Area - area that will be inundated by a flood event having a 1-percent chance of being equaled or exceeded in any given year (also referred to as the base flood or 100-year flood = Zones A, AE and VE). Moderate flood hazard areas (Zone X) are the areas of the 0.2-percent-annual-chance (or 500-year) flood.)

The [NJ Assessment Records Search](#) is a great supplemental resource if you need printable tax assessment data (no map).

Click the **Details tool (i)** while using the map to see this message again.