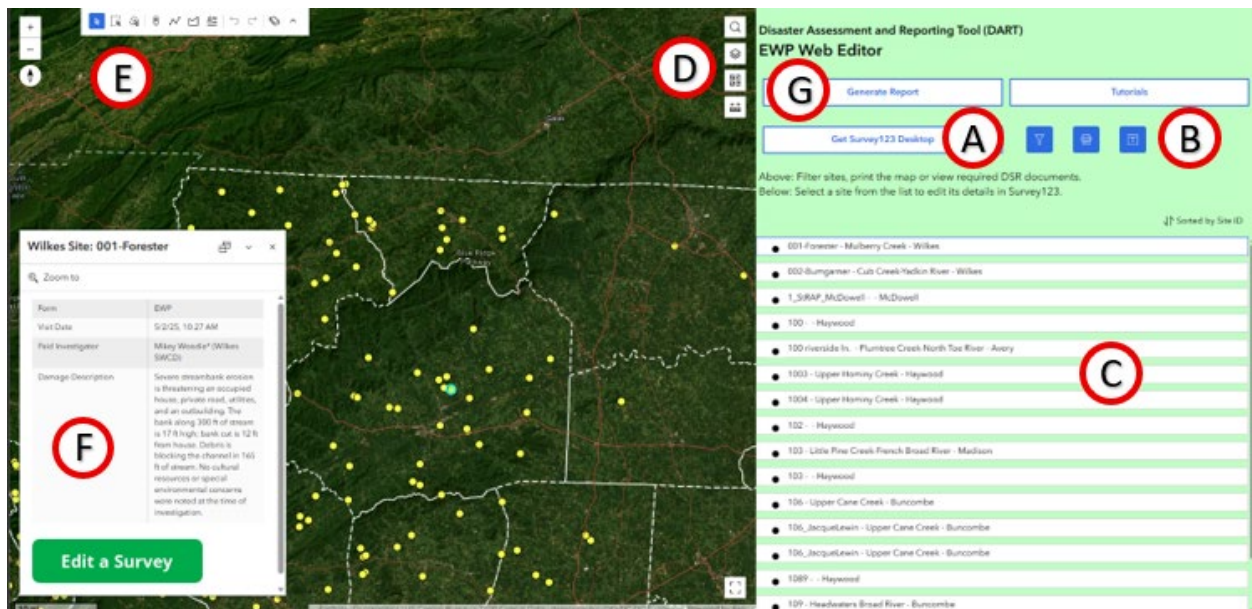


## FDR Mapping Process

There are two different ways to create your FDR Map described below. Whether you decide to use the DART Web Editor or ArcGIS Pro, your map must contain the following elements:

- Repair Measures
- Threatened Structures
- Legend
- Scale Bar
- Streamflow Direction Arrow
- Address
- PINs
- Latitude & Longitude

### *DART Web Editor*



### Project Setup:

1. Open the DART Web Editor.
2. Filter for the site you are creating a map for. (B)

3. On the right side of the page, select the site so that the map zooms in on the site location. (C)
4. Have your site map from the field visit available for reference.

### Aerial Photo Map Creation:

1. Use the markup tools in the toolbar (E) to mark the repair measures identified on the site map from the field visit.
  - a. Utilize the *Draw a polyline* tool and adjust the thickness to mark Streambank Shoreline Protection (580).
  - b. Utilize the *Draw a polygon* tool to mark areas of Clearing and Snagging (326).
  - c. Use a consistent color scheme across all of your maps (i.e. purple for Streambank Shoreline Protection (580) and blue for Clearing and Snagging (326)).



2. Use the *Draw text* tool (E) to identify threatened structures on the map. Some structures such as buried utilities may not be visible so just identify what you can.

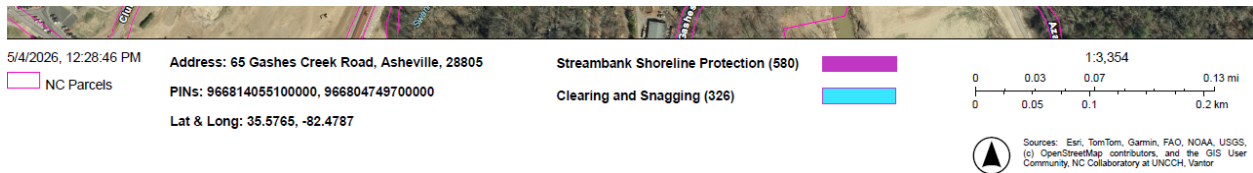


3. Use the *Draw a polyline* and *Draw text* tools to create and label a streamflow direction arrow.



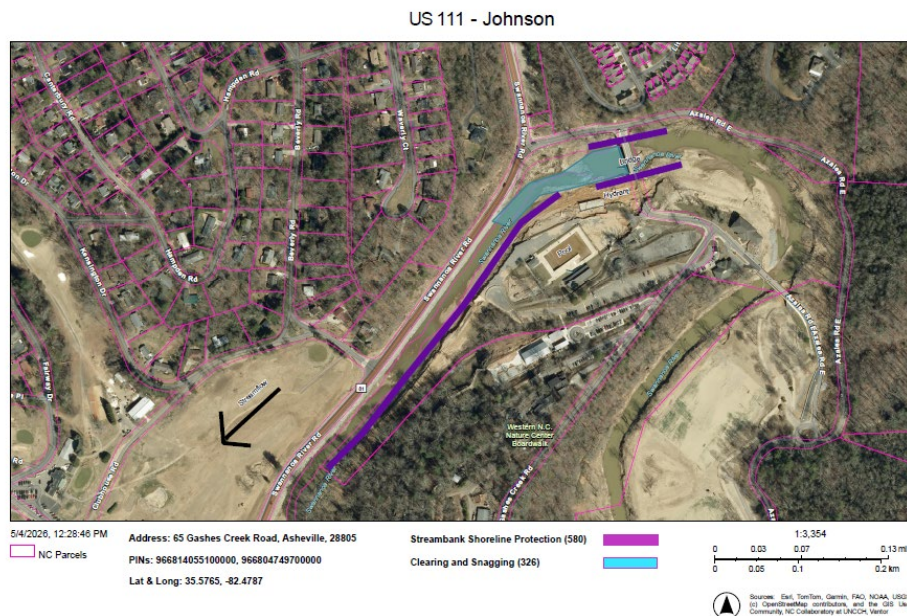
4. Select the *Print* button (B) to generate a PDF of your map. Title it using your standardized nomenclature.
5. Open the map in your preferred PDF editor.
6. Remove any unnecessary elements from the blank space below the map in the PDF.

7. Add the following elements in the blank space below the map in the PDF
  - a. Address
  - b. PINs
    - i. To determine which PINs should be included, pull up your county GIS system and identify all of the parcels where there are planned repairs for the site.
  - c. Latitude & Longitude
    - i. Pull from FDR
  - d. Legend
    - i. To create a legend, create colored rectangles that match the color scheme you used in the DART Web Editor.



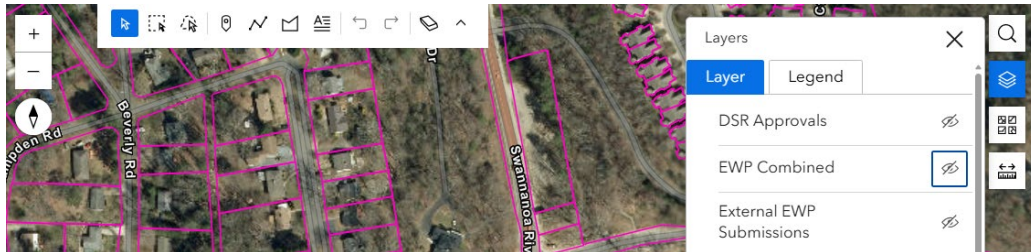
**\*The map should already contain a scale bar.**

8. Once you have added all of the necessary elements, save your PDF.

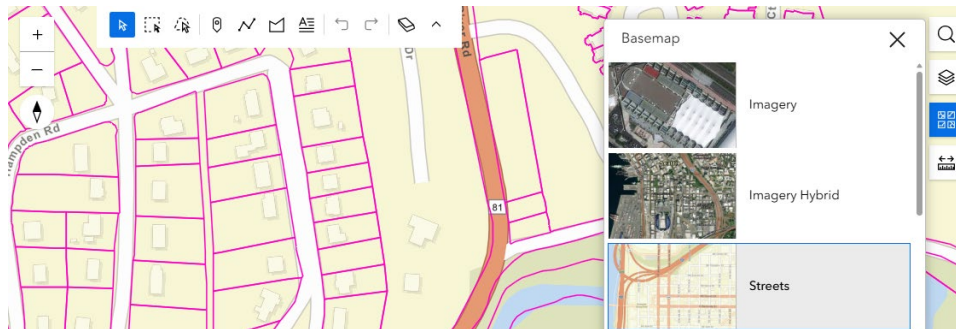


## Site Location Map Creation

9. Remove the elements you created for the Aerial Map from the DART Web Editor map
10. Turn off the EWP combined layer to hide the yellow site icons. (B)

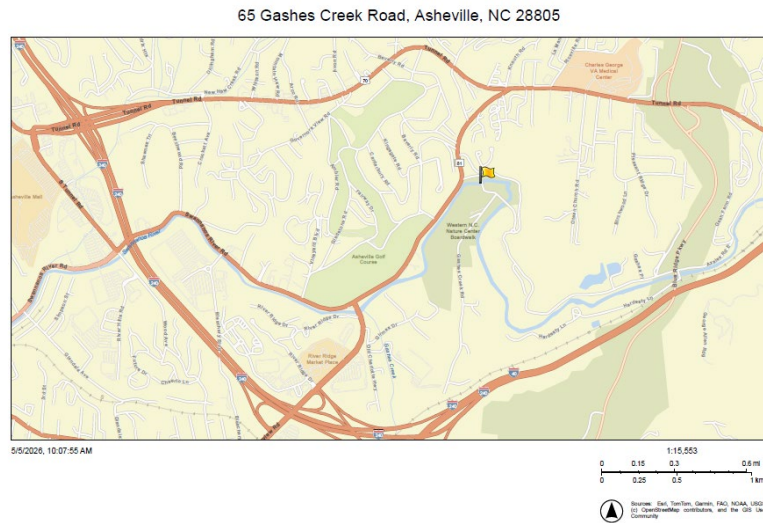


11. Change the basemap layer to “Streets”. (B)



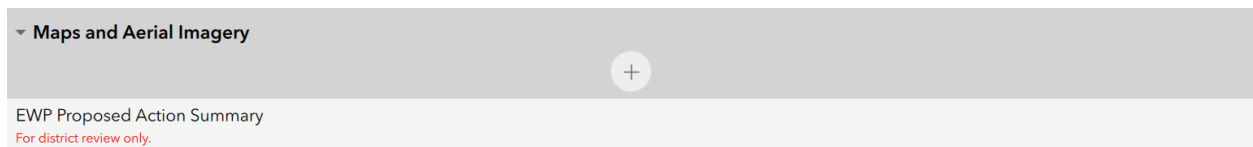
12. Using the *Draw a point* feature (E), choose an icon and drop it at the site location.
  - a. Zoom out to give a good frame of reference as to where the site is located.

13. Use the *Print* button (B) to generate the site location map and place the address in the title.



## Upload Maps to the FDR

14. Use the Web Editor to access the survey.
15. In the “Pictures and Descriptions” section of the survey, under “Maps and Aerial Imagery”, select the plus symbol.



16. Select the folder icon and upload the Aerial Map.
17. Select the plus button on the right side of the toggle bar that says “1 of 1”.



18. Repeat step 16 to upload the Site Location Map.
19. “Send” your updated FDR to finalize.