

# Geospatial Advisory Council

December 14, 2021

Federal Agency Report by Julia O'Brien, FEMA

## Status of National Flood Insurance Plan Studies:

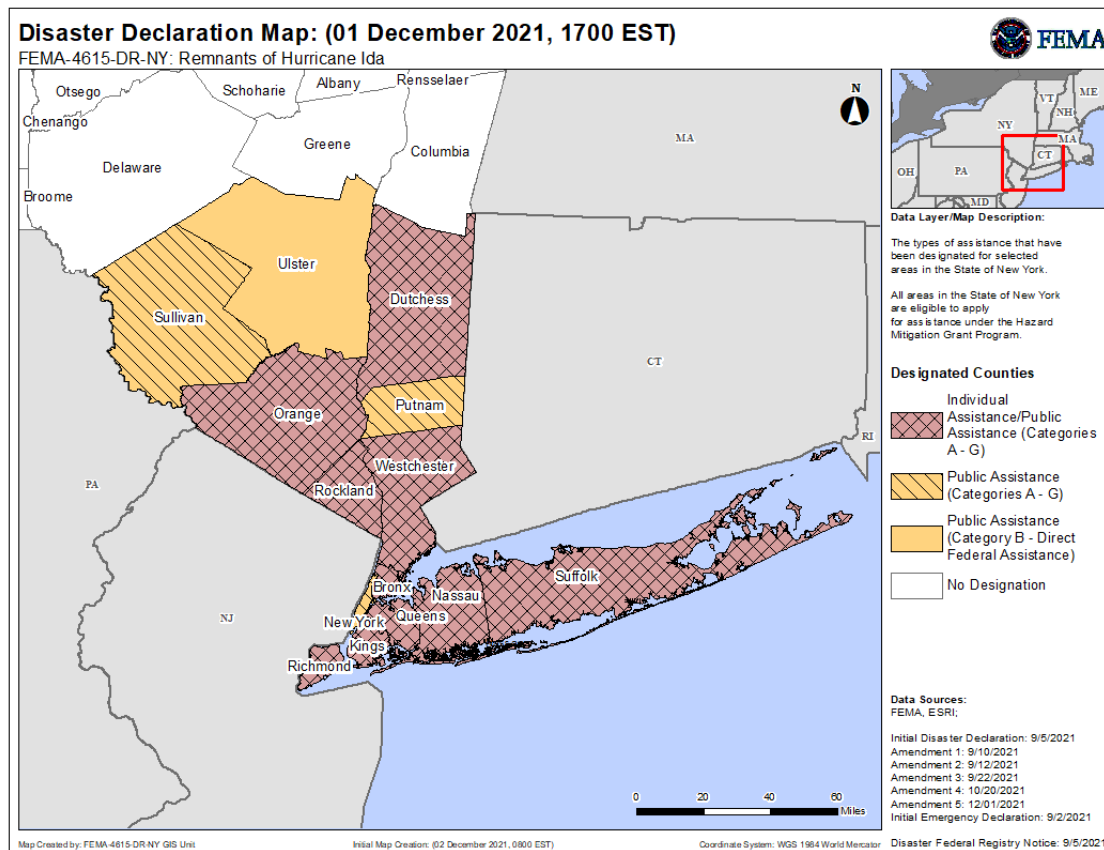
The FEMA Region II Risk Mapping site is here:

<https://fema.maps.arcgis.com/apps/MapSeries/index.html?appid=39e87438546249d988a85fc3085cab0e>

The Federal Emergency Management Agency (FEMA) Region II office has created this site to support your community through the Risk Mapping, Analysis, and Planning (Risk MAP) program. Risk MAP is a national FEMA program that works with states, tribes, and local communities to evaluate and better understand their current flood risks, as well as the actions that can be taken to mitigate those risks and become more resilient.

This site now also contains the reports that come out of the Discovery projects as they are completed.

## Response to the remnants of Hurricane Ida:



## **US Department of Agriculture**

No updates for December.

## **NOAA/National Geodetic Survey**

Information on the delayed datum release: <https://geodesy.noaa.gov/datums/newdatums/delayed-release.shtml>

Blueprint Part 3 (Working in the modernized National Spatial Reference System (NSRS) has been released: [https://geodesy.noaa.gov/library/pdfs/NOAA\\_TR\\_NOS\\_NGS\\_0067.pdf](https://geodesy.noaa.gov/library/pdfs/NOAA_TR_NOS_NGS_0067.pdf)

## **USGS Water Resources Center**

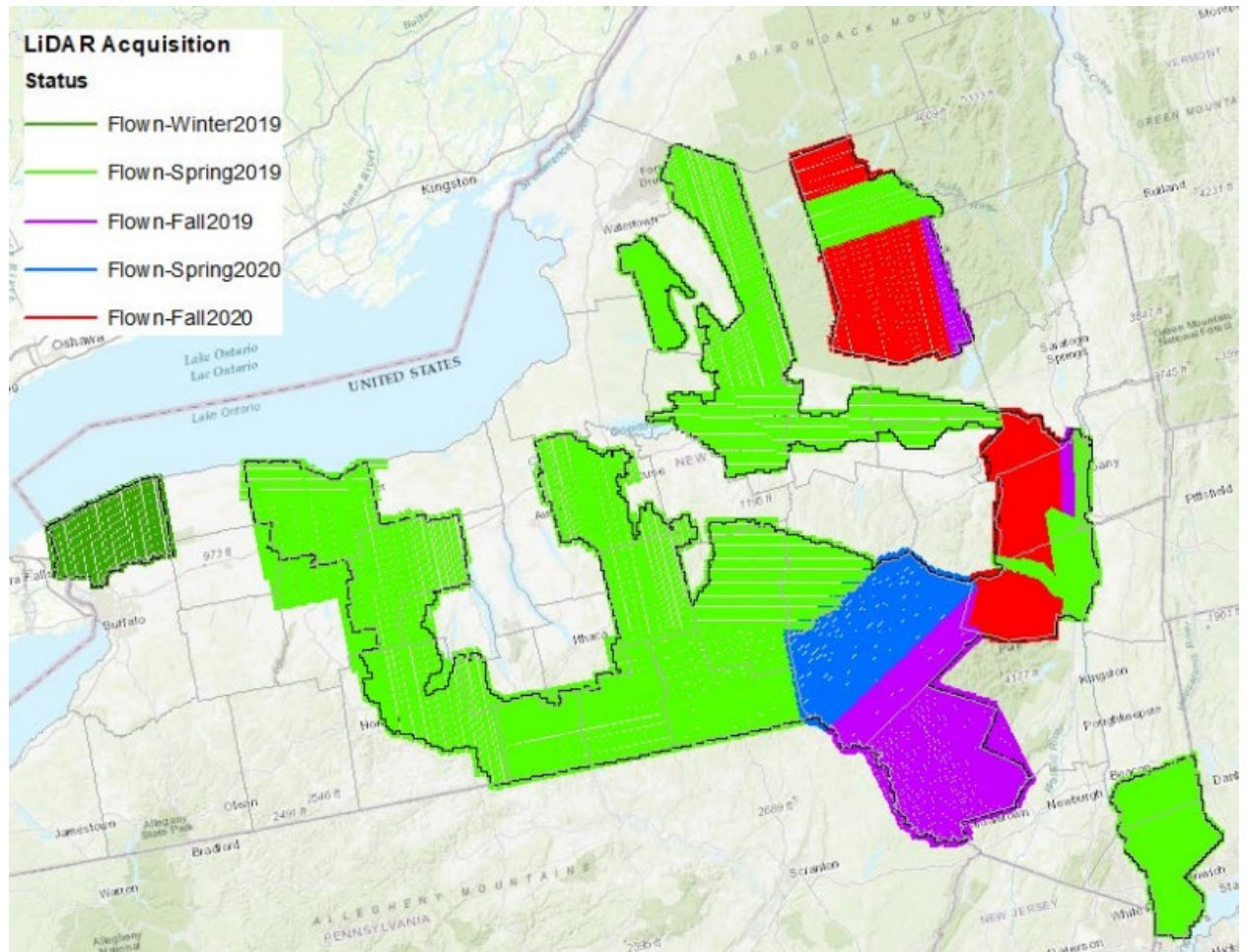
Under Mission Assignment from FEMA, the USGS has finalized collection of high-water marks (HWM) in New York City post-Ida. Typically, the HWM program is activated for coastal surge to help define the areas of flooding from surge post-storm. In this case, recognizing that this was an urban flooding event caused by freshwater/rain flooding created an unusual opportunity to capture HWM to be used to understand these types of events. The HWMs will be used to create/update flood extents data from models. In turn, the data will be instrumental in devising better urban mitigation strategies.

## **USGS 3DEP updates for NYS:**

- FY22 USGS Broad Agency Announcement (BAA) award recipients have been notified, and applicant summaries will be posted [online](#).
- As of 12/9/2021, USGS 3DEP lidar is available or in progress for all of NYS. The most recently accepted project is the 2020 Finger Lakes NY Lidar, now available for download via the Discover GIS Data NY Application and from the USGS at [https://rockyweb.usgs.gov/vdelivery/Datasets/Staged/Elevation/1m/Projects/NY\\_FingerLakes\\_2020\\_A20/](https://rockyweb.usgs.gov/vdelivery/Datasets/Staged/Elevation/1m/Projects/NY_FingerLakes_2020_A20/).
- Currently, the two projects that are in progress are:
  1. 2020 Harris Romano NY Lidar



- a. This acquisition consists of Geiger Mode lidar being collected for a utility company with a focus on sensing electrical wires, electrical components, etc. during leaf-on season.
  - b. Data for this project do not meet the USGS specification and need a full second review; therefore, data validation is ongoing, and the period of performance for this project is being extended for a second time
2. 2018 FEMA R2 Central NY Lidar
- a. Flown between Winter 2019 through Fall 2020. This project saw setbacks due to weather and the pandemic, and it is now seeing setbacks during data review and validation due to withheld processing issues. The data are currently being corrected and reviewed.



b. Some of the data are available on our rockyweb server at:

Lidar point cloud (LPC) data:

[https://rockyweb.usgs.gov/vdelivery/Datasets/Staged/Elevation/LPC/Projects/NY\\_FEM\\_AR2\\_Central\\_2018\\_D19/](https://rockyweb.usgs.gov/vdelivery/Datasets/Staged/Elevation/LPC/Projects/NY_FEM_AR2_Central_2018_D19/)

Original product resolution (OPR) data:

[https://rockyweb.usgs.gov/vdelivery/Datasets/Staged/Elevation/OPR/Projects/NY\\_FEM\\_AR2\\_Central\\_2018\\_D19/](https://rockyweb.usgs.gov/vdelivery/Datasets/Staged/Elevation/OPR/Projects/NY_FEM_AR2_Central_2018_D19/)

**\*\*Note USGS has switched from ftp to https. Please update your bookmarks.\*\***

c. The full dataset will not be ready for shipment until March 2022 at the earliest, but considering that more corrections will likely be needed, it is more probable that the full final dataset may not be shipping out until summer of 2022.