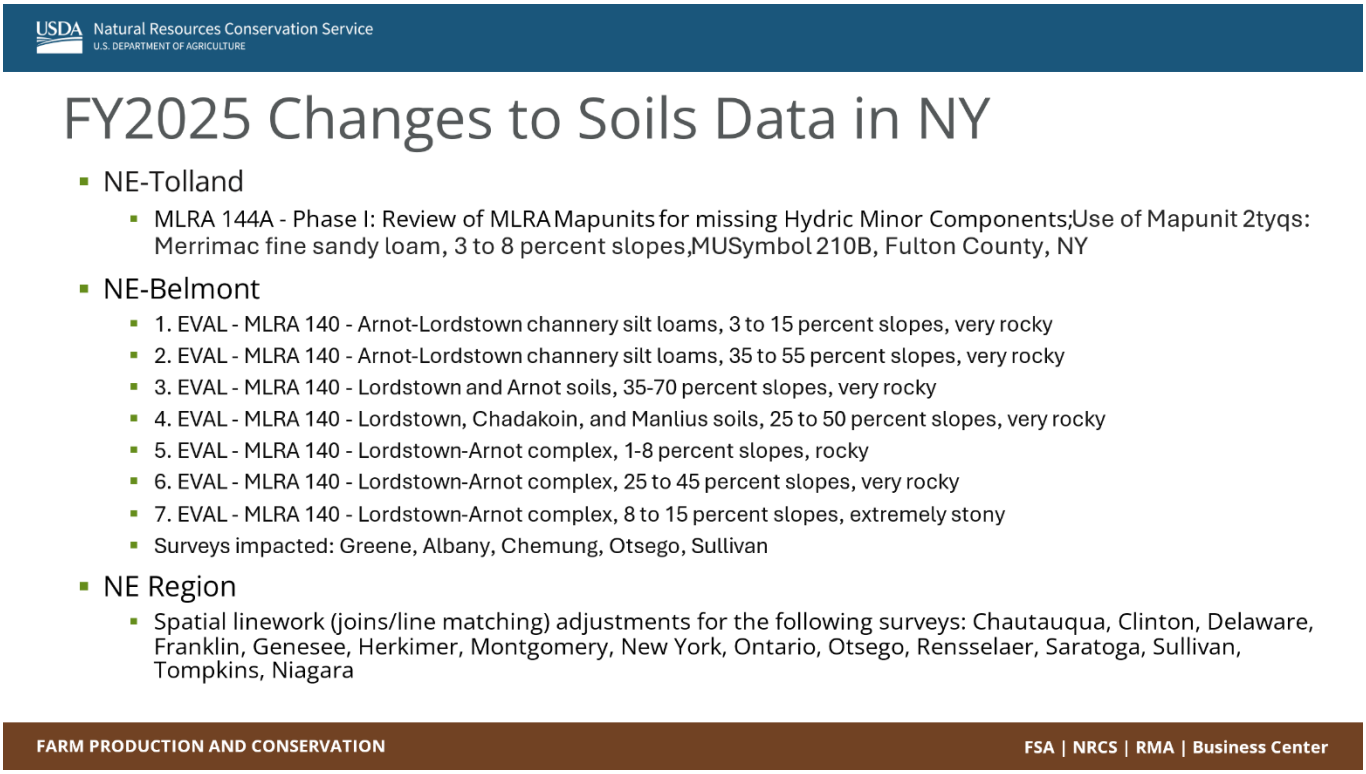
Geospatial Advisory Council

September 18, 2024

USDA Natural Resources Conservation Service/Farm Service Agency

- NAIP 2024 Imagery collection underway. 36% complete, once the whole project is complete by Surdex it will go through QAQC and tonal matching. Once its accepted it will be provided via webservice https://services.apfo.usda.gov/arcgis/services

- Oct 1 will be the release of the newest soils data on Web Soil Survey. Web Soil Survey - Home (usda.gov) EVAL is an Evaluation project, which is strictly database update work—minimal to no field work, and line work is not changed (but MUSYMBOL/MUNAME could change).



- Contractors are also working on the SSURGO Portal SSURGO Portal | Natural Resources Conservation Service (usda.gov) that allows you to import spatial and tabular SSURGO data into geospatial SQLite SSURGO Template databases.

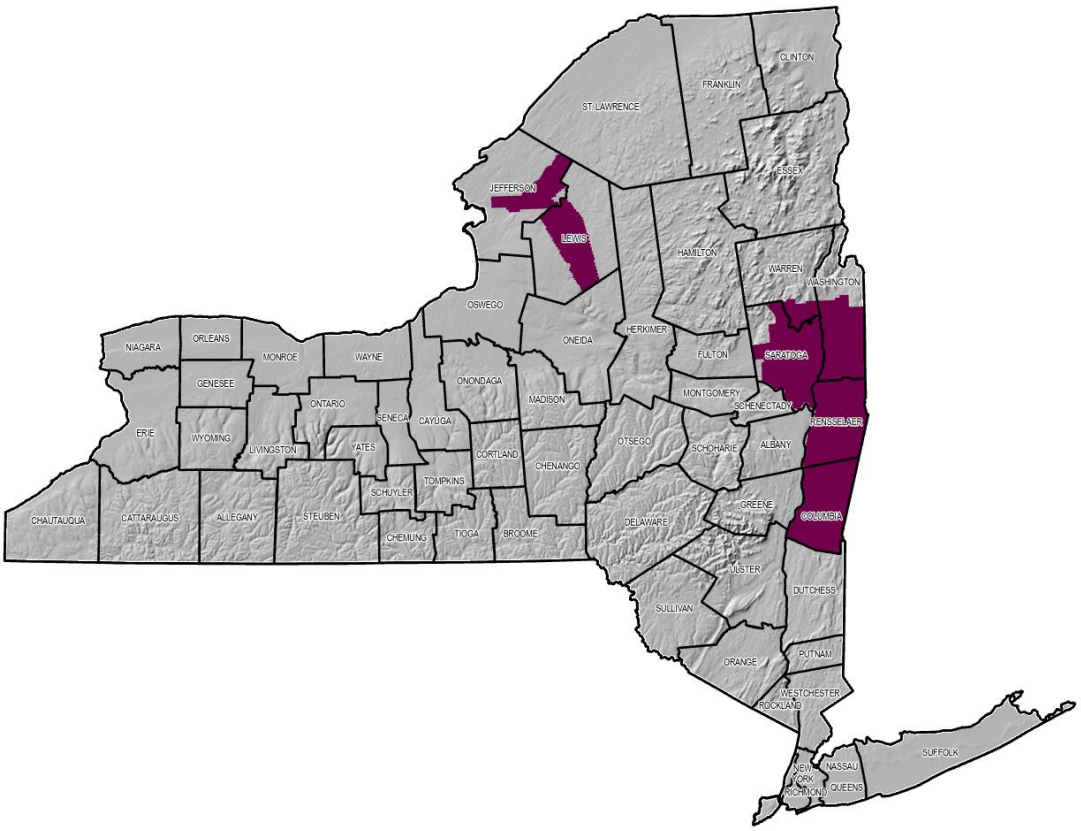
  *SSURGO Portal (**Beta**) is a new license free and open-source USDA Natural Resource Conservation Service (NRCS) application. It creates empty geospatial SQLite SSURGO Template databases that you can import spatial and tabular SSURGO data into. SSURGO Portal contains both GeoPackage and SpatiaLite versions of the template.*

  Once you've created a template database, you can access it with any software that reads SQLite files, including ArcGIS Pro, QGIS, DB Browser, and R. You can query the database, view maps of soil polygons, and create maps of soil properties and interpretations.

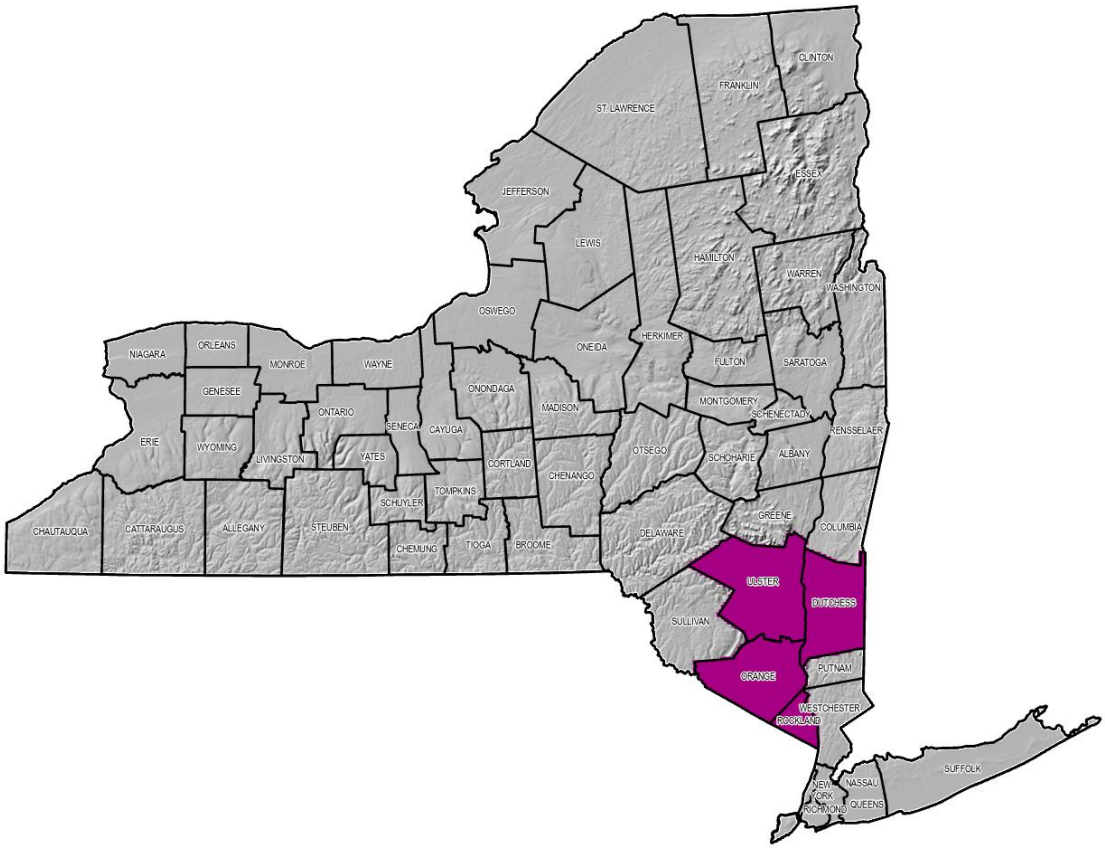
- Interest in acquiring Schoharie/Montgomery LiDAR in FY25 depending on national funding.

USGS National Geospatial Program (NGP) Updates

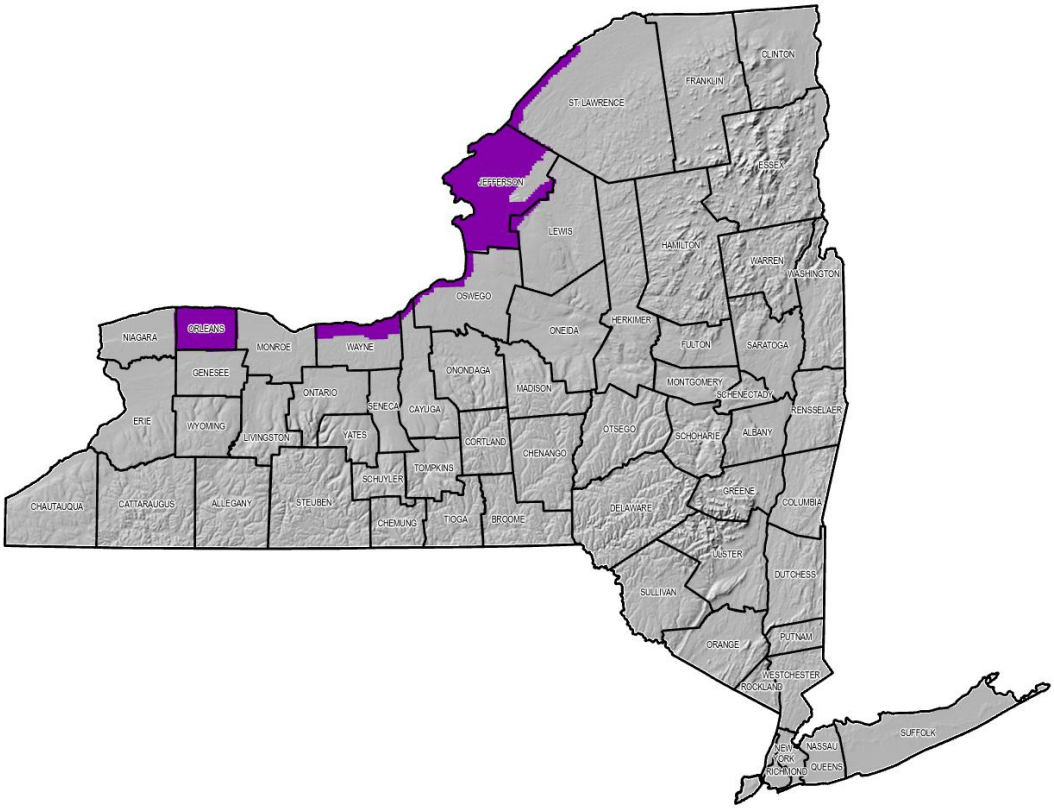
- Program announcements
  - USGS FY25 3D National Topography Model (3DNTM) Data Collaboration Announcement (DCA)
    - Released August 5, 2024.
    - Initial deadline for project submissions was September 13, 2024.
    - DCA will remain open until no remaining FY25 funds are available for obligation (usually closes late spring/early summer).
    - Instructional webinar was held August 7 to go over DCA materials, and the webinar recording is available online.
- 3D Elevation Program updates – in progress projects
  - NY_Hudson_D22
    - Description –
      - This project consists of QL2 lidar elevation data covering 3,279 square miles in the same AOI as the NY_HudsonRiverRegion_2020_A20 project, which ended up not meeting 3DEP specifications due to it being a leaf-on Geiger mode acquisition.
      - Funding partners are USDA NRCS and USGS (Earth MRI program).
    - Status –
      - Data acquisition started in fall 2022 and was completed by April 15, 2023.
      - Data for the whole project were delivered to USGS for review on January 10, 2024.
      - The project data were fully accepted on August 2, 2024.
      - Drives have been shipped to project partners, and data products should be available for download from USGS rockyweb within 60 days of acceptance.



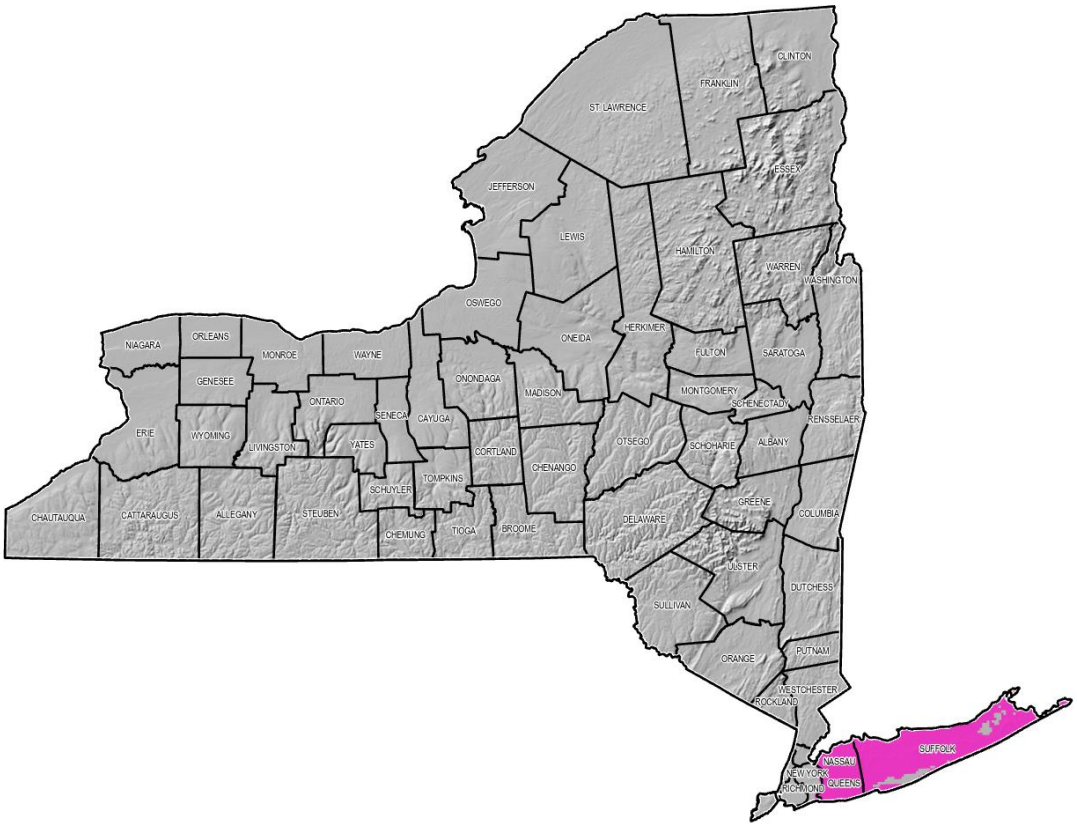
- NY_SouthEast4County_A22
  - Description –
    - This project consists of QL2 lidar elevation data covering 3,211 square miles in four counties (Dutchess, Orange, Rockland, and Ulster counties) in southeast NYS.
    - Funding partners are NYS ITS, USDA NRCS, and USGS.
  - Status –
    - Data acquisition was completed on April 30, 2022.
    - Data were received by USGS for review in September 2023.
    - The project data were fully accepted on July 17, 2024.
    - Data products should be available for download from USGS rockyweb within 60 days of acceptance. Data are currently available for download from NYS ITS FTP site.



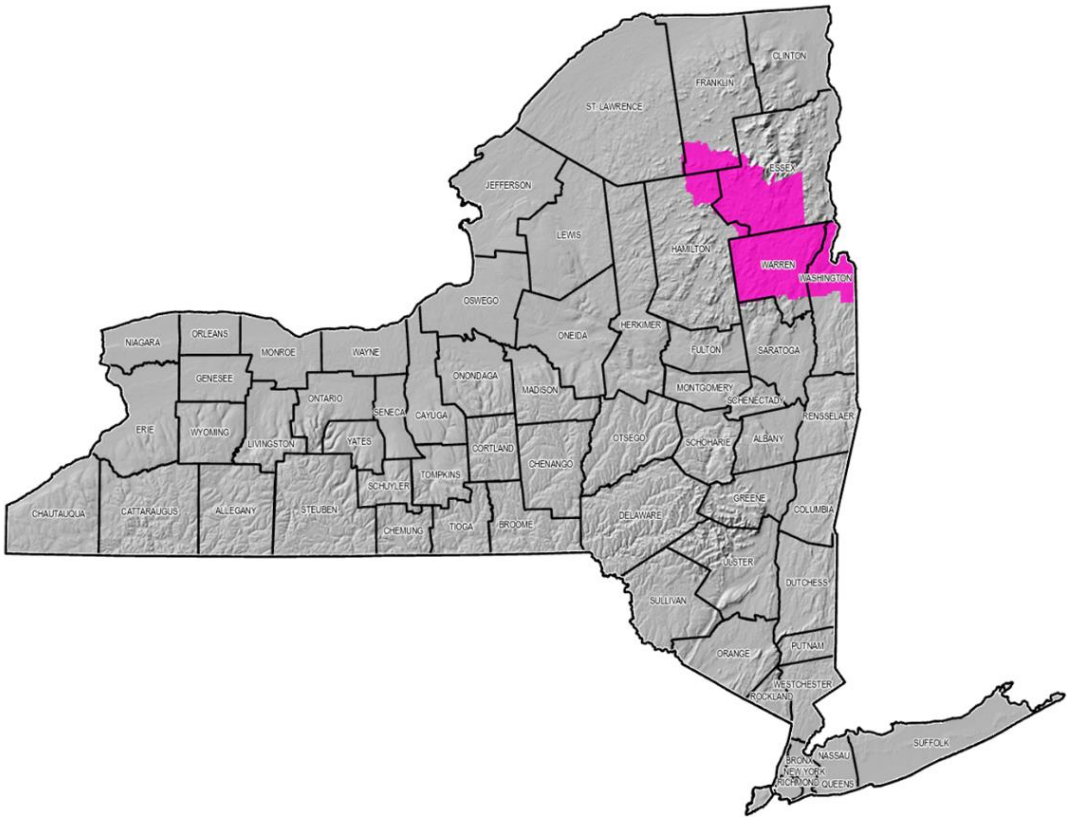
- NY_LakeOntarioShoreline_A23
  - Description –
    - This project consists of QL2 lidar elevation data covering 2,337 square miles in all or parts of six counties (Cayuga, Jefferson, Orleans, Oswego, St. Lawrence, and Wayne) along the Lake Ontario Shoreline.
    - Funding partners are NYS ITS, USDA NRCS, and USGS.
  - Status –
    - Contractor completed data acquisition spring 2023.
    - Project kick-off meeting was August 17, 2023.
    - Should be submitted to USGS for review by end of September 2024.



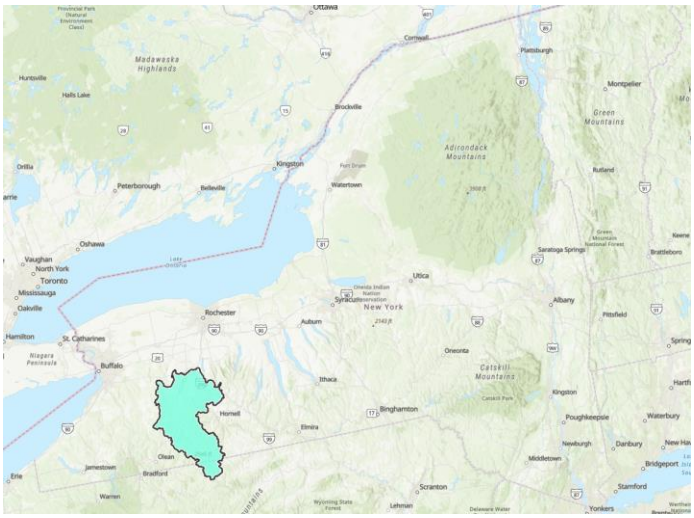
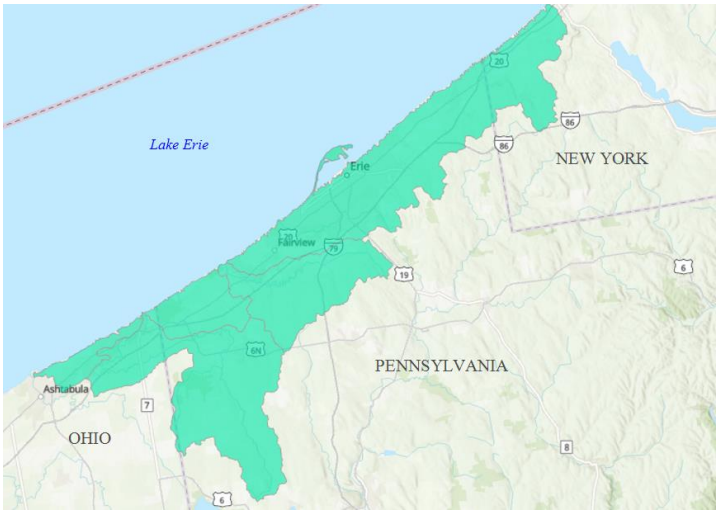
- NY_LongIsland_A24
  - Description –
    - This project consists of QL2 lidar elevation data covering 1,606 square miles in all of Nassau and Suffolk counties along the Atlantic Ocean.
    - Funding partners are NYS ITS, USDA NRCS, and USGS.
  - Status –
    - Project kick-off meeting held June 18, 2024.
    - Data were acquired spring 2024.
    - NYS ITS reached out to counties about potential upgrades – Nassau County is doing vegetation and building classification.
    - Pilot due beginning of September 2024.
    - Typically about a one year turn-around time (April-May 2025) for submission to USGS for review.



- NY_NH_Gaps_D24
  - Description –
    - This project consists of QL2 lidar elevation data covering 2,824 square miles with one large AOI in northeast NY and two smaller AOIs in NH.
    - Funded by the USGS to fill in QL2 or better lidar data gaps in NY and NH and contribute to the completion of 3DEP baseline data in CONUS.
  - Status –
    - Project kick-off meeting was held April 1, 2024, and data were acquired spring 2024.
    - Pilot data were delivered July 31, 2024, and pilot data review was completed August 12, 2024.
    - Data delivered to USGS for review by September 30, 2024.
    - Final deliverables to USGS by May 31, 2025.



- 3D Hydrography Program updates – upcoming projects
    - NY_UpperGenesee_D24_H
        - Description –
            - This project consists of planning and processing of hydrographic products derived from 3DEP QL2 or better quality lidar data, collected over approximately 1,426 square miles in the state of New York and the Commonwealth of Pennsylvania.
            - More of a pilot project with no funding partners. Funded by USGS only.
        - Status –
            - Project kick-off meeting TBD.
            - Final deliverables should be delivered no later than June 1, 2026.



    - PA_LakeErie_B24_H
        - Description –
            - This project consists of planning and processing of hydrographic products derived from 3DEP QL2 or better quality lidar data, collected over approximately 623.2 square miles along Lake Erie, primarily in the state of Pennsylvania but also extending into Ohio and New York.
            - Funding partners are PA DCNR and USGS.
        - Status –
            - Project awarded Spring 2024.
            - Kick-off meeting TBD.
            - Final deliverables should be delivered no later than October 30, 2025.