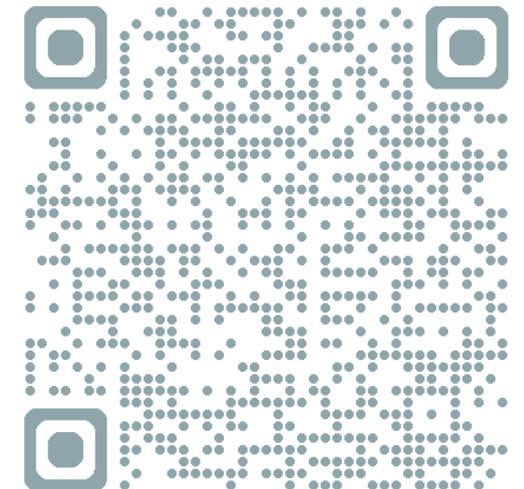


# GEOBOARD MEETING AGENDA

1. Greeting - Drzyzga
2. Opening remarks by OA Secretary Neil Weaver
3. Membership Changes and Roll Call - Eaton
4. Remarks and Kudos - Drzyzga
5. Current Business
  - A. Updates from the 911 Advisory Board - Smith
  - B. Updates from the Leadership Team
    - i. Governance Task Force - Eaton & Zubek
      - a. Legislation Tracking
      - b. GeoAI in Focus: Special Report
      - c. TF Charter update
    - ii. Service Delivery Task Force - Lettiere & Kelly
      - a. PASDA
      - b. TF Charter update
    - iii. Data Task Force - Guiseppe
      - a. TF Charter update
      - b. Addresses WG - Smith
      - c. Civic Boundaries WG - Jespersen
      - d. Elevation WG - Gross
      - e. Hydrography WG - Fehrs
      - f. Geodetic WG - Drzyzga
      - g. Parcels WG - Drzyzga
6. New Business
7. Review 2026 meeting schedule - Blackmer
8. Adjourn





COMMONWEALTH OF  
PENNSYLVANIA

QUARTERLY  
**GEOBOARD MEETING**  
12 Feb. 2026 @ 1:30 PM

Welcome!

STATE GEOSPATIAL  
COORDINATING BOARD

# SPECIAL GUEST



**Neil Weaver, Secretary**



Pennsylvania  
**Office of Administration**



# MEMBERSHIP CHANGES AND ROLL CALL

# MEMBERSHIP: CHANGES & ROLL CALL

## 1. Membership changes - Eaton

### A. Voting Members

- i. County Commissioners Association of Pennsylvania (CCAP)
  - a. Welcome **Commissioner James Moate!** James is a Commissioner for Cameron County and the new Chair of CCAP's Technology Committee.

### B. Non-voting Members

- i. None.

## 2. Roll Call - Eaton





## REMARKS AND KUDOS

# REMARKS AND KUDOS

1. Minutes from the Quarterly GeoBoard Meeting on Nov. 13, 2025 were reviewed and corrected during the Joint Task Force meeting on Jan. 13, 2026.

Pennsylvania  
State Geospatial Coordinating Board  
Meeting Minutes  
Date: November 11, 2025 @ 1:30 PM  
Location: Remote via Microsoft Teams

- I. Scott **Drzyzga**, Executive Director, called the meeting to order at 1:30 PM and noted a power outage at the Bureau of Geological Survey Office (Middletown, PA) was the reason this meeting was pushed to fully remote on Teams. The virtual meeting was not recorded, and no AI transcription service was used.
- II. Kevin **Eaton**, Vice-Chairperson, conducted roll call.
  - A. Representatives present: Gale **Blackmer** (Chairperson) and Kevin **Eaton** (Vice-chairperson) along with Jason **Aucker**, Bill **Campbell**, Brian **Chalfant**, Gergory **Darr**, Greg **Dunmire**, Eliza **Gross**, Michael **Hill**, Greg **Hostetter**, Will **Hunt**, Maurie **Kelly**, Bill **Kiger**, Laura **Lettiere**, Joe **Livoti**, Marc **Patti**, Justin **Smith**, Debbie **Tollett**, James **Whitacre**, and Scott **Zubek**.
  - B. Representatives absent: Damon **Anderson**, Rashaad **Bates**, John **Benhart Jr.**, Jeff **Boyle**, Cathy **Califano**, David **Glass**, and Matt **Warner**.
  - C. Quorum achieved.
  - D. A complete list of others and guests was not documented, but included: Al **Guisepppe**, Ellen **Fehrs**, Eric **Jespersen**, Sean **McLaughlin**, Jerry **Munley**, Mark **Leitzel**, and Scottie **Wall**.
- III. Opening Remarks and Kudos - **Drzyzga**
  - A. Minutes from the last quarterly meeting were reviewed and corrected at the last Joint Task Force meeting.
  - B. 2025 CCAP Annual Conference was held in Somerset County. The purpose of attending was to build relationships with county commissioners and to communicate the importance of geospatial data and technologies that ably support decision-making and government operations.
  - C. The Goddard Mid-Atlantic Flood Forum was held at Penn State @ Harrisburg. Multiple organizations represented on the GeoBoard participated (e.g., OA, DCNR, DEP, PEMA, DCED). **Drzyzga** noted the key map layers used to support planning, modeling, and emergency response are familiar - geodetic control, elevation, hydrography, parcels, roads, addresses, and boundaries.
  - D. The 2025 AI Horizons Summit was held in Pittsburgh, PA. The purpose of attending (virtually) was to learn more about artificial intelligence in support of the Emerging Technologies Subcommittee report on GeoAI.
  - E. Two special meetings were held with all levels of government active in Allegheny County along with some private utility company reps. The purpose of the meetings was twofold: to help everyone get on the same page re:

Attendance taken by **Eaton**, Minutes taken by **Blackmer** and formatted by **Drzyzga**.

## REMARKS AND KUDOS

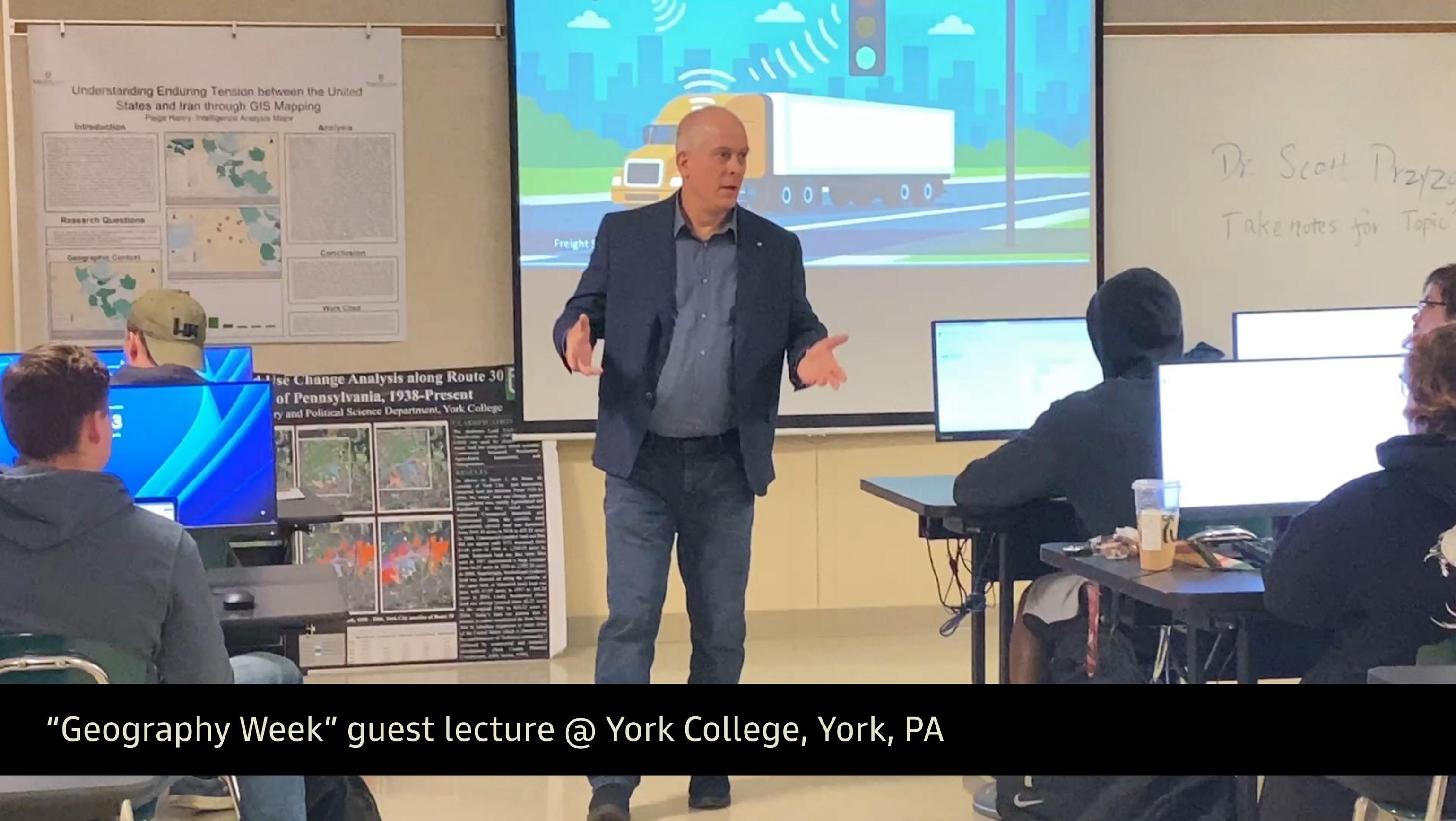
1. Minutes from the Quarterly GeoBoard Meeting, 14 Aug. 2025, were reviewed and corrected during the Joint Task Force meeting, 10 Oct. 2025.
2. **Councilman Rashaad Bates**, was re-elected to serve the Norristown 1<sup>st</sup> District and is now the Council Vice President.



## REMARKS AND KUDOS

1. Minutes from the Quarterly GeoBoard Meeting, 14 Aug. 2025, were reviewed and corrected during the Joint Task Force meeting, 10 Oct. 2025.
2. Councilman Rashaad Bates, was re-elected to serve the Norristown 1st District and is now the Council Vice President.
3. **Commissioner Dave Glass**, Clearfield County, was elected to serve as First Vice President of the County Commissioners Association of Pennsylvania (CCAP). His term started January 1, 2026.





Understanding Enduring Tension between the United States and Iran through GIS Mapping

Paige Henry, Intelligence Analysis Major

Introduction

Analysis

Research Questions

Geographic Context

Conclusion

Work Cited

Use Change Analysis along Route 30 of Pennsylvania, 1938-Present

Geography and Political Science Department, York College

RESULTS

CONCLUSIONS

Dr. Scott Przyz...

Take notes for Topic...

"Geography Week" guest lecture @ York College, York, PA



Central PA GIS Day @ Harrisburg, PA



Central PA GIS Day @ Harrisburg, PA

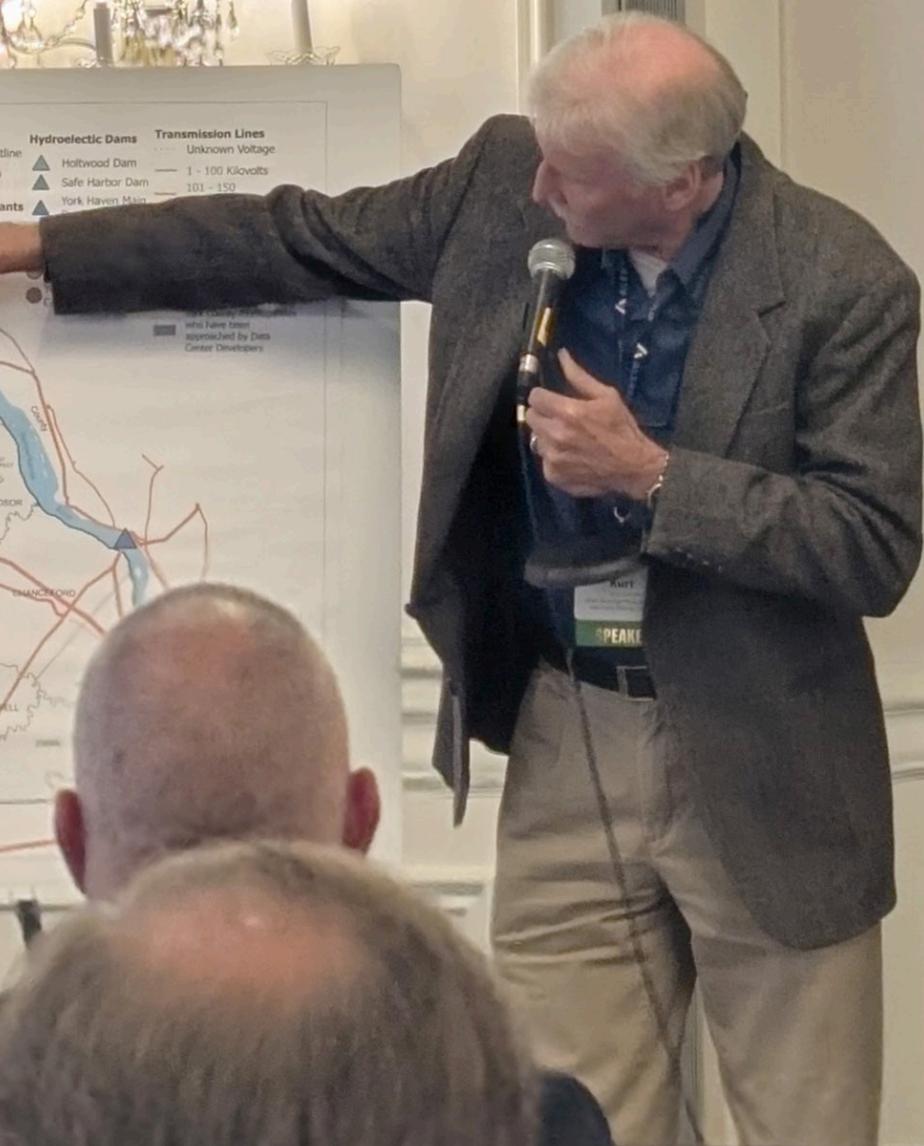
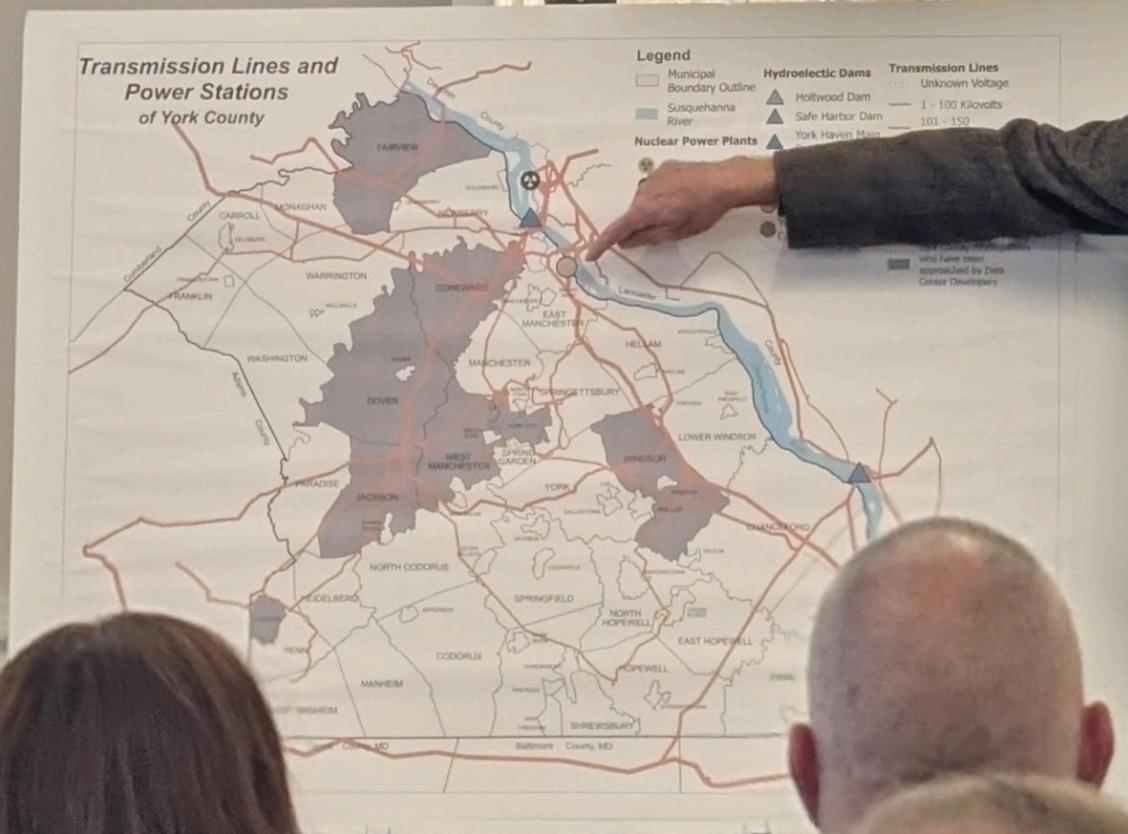
2025 CCAP FALL CONFERENCE

# Using GIS to Strengthen Local, County, State, and Federal Resources

Scott Drzyzga, Ph.D., GISP  
STATE GEOSPATIAL COORDINATING BOARD  
sdrzyzga@pa.gov



CCAP Fall Conference @ Hershey, PA



CCAP Fall Conference @ Hershey, PA



2026 PSLs Surveyors' Conference @ Hershey, PA

# PA Geospatial Coordinating Board

SERVICES DELIVERY TASK FORCE

PA BaseMap 2030 & 3D PA Report

Brand  
Flood  
2025

private  
infrastructure for Chester County.



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and

# SPECIAL GUEST

**Dan Martin**, National Geodetic Survey, Regional Geodetic Advisor, is serving NY, NJ, MA, CT, RI, VT, NH, ME, and now PA.





# UPDATES FROM THE 911 ADVISORY BOARD



# CURRENT BUSINESS

# GOVERNANCE TASK FORCE

Scope and Summary of recent work - Eaton

The Gov TF held meetings on 12/10/25 and 1/6/26; FEB meeting cancelled

## Legislative Tracking

- [HOUSE BILL No. 513](#) – RE: Pennsylvania State Plane Coordinate System.
  - Amended in Committee 12/15/25
  - Laid on Table 12/15/25
- [HOUSE BILL No. 589](#) – RE: Landslide and Sinkhole Insurance Program & Fund
  - No Action; Still sits with PA Senate - Community, Economic & Recreational Development Committee since 10/7/2025



# GOVERNANCE TASK FORCE

## Legislative Tracking (Continued)

- [HOUSE BILL No. 1228](#) RE: Amendment to Engineer, Land Surveyor and Geologist Registration Law \*NOTE – Incorrect number last meeting\*
  - Referred to House State Government Committee on 4/22/25
- [HOUSE BILL No. 1230](#) – RE: Amendment to Real Estate Appraisers Certification Act \*NOTE – Incorrect number last meeting\*
  - No Action; Still sits with PA House – State Government Committee since 4/22/25
- Both 1228 & 1230 part of 7 bill package to remove citizenship requirements from serving on the respective Boards



# GOVERNANCE TASK FORCE

## Federal Government Regulations Awareness

- [Federal Acquisition Regulation \(FAR\) clause 52.240-1](#) & [Department of Defense \(DOD\) 1260H](#)
  - Federal government prohibited the procurement and operation of unmanned aircraft systems (UAS, also known as drones) that are manufactured or assembled by designated foreign entities for Federal Government & entities doing work for Federal Contracts.
  - Refer to [Blue UAS Cleared and Select list](#) for approved drone companies / platforms.
- US FCC Import Ban
  - In December, the US FCC implemented an Import barring imports of all new models of foreign-made drones and critical components
  - In January the FCC Exempted foreign drones from ban until end of 2026
  - Refer to [Blue UAS Cleared and Select list](#) for importable drone companies / platforms.

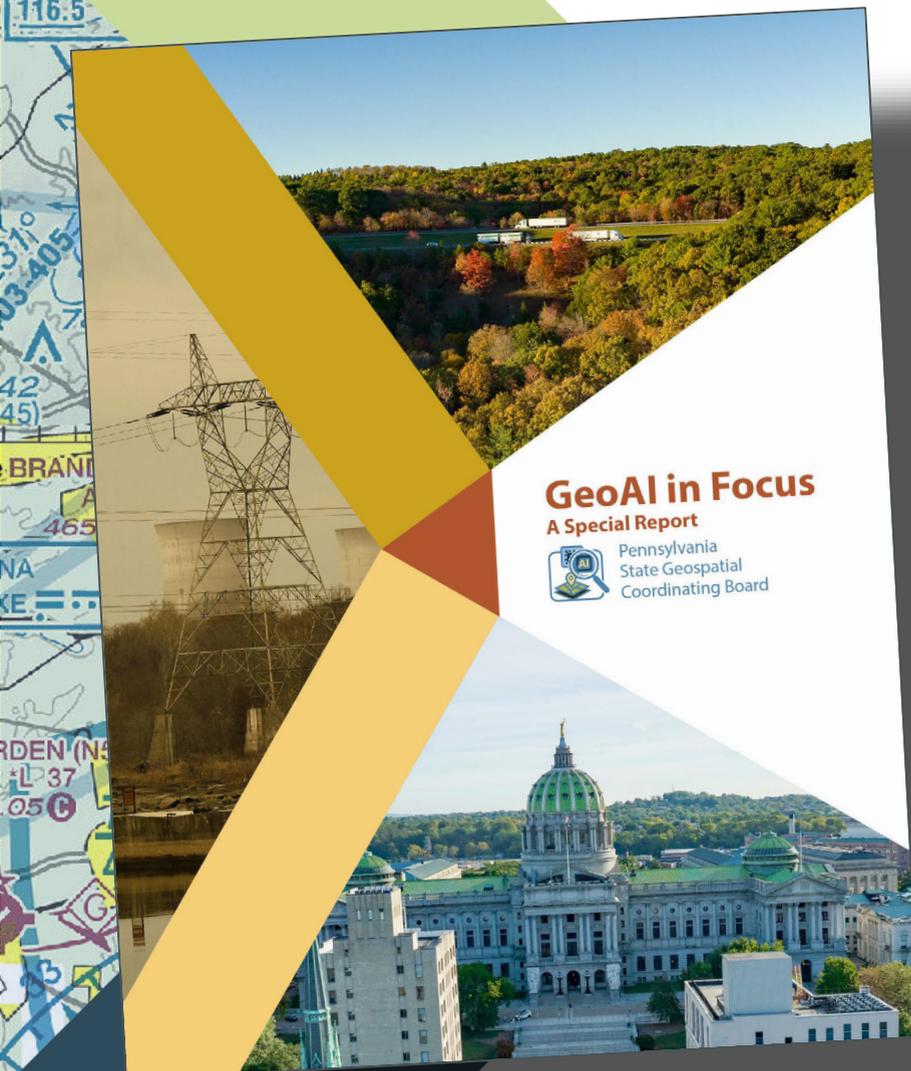
# GOVERNANCE TASK FORCE

## Emerging Technologies Subcommittee - Zubek

- GeoAI in Focus: A Special Report – GeoBoard YES vote to accept and publish draft. Report now available on the GeoBoard website.
- Emerging Technologies Subcommittee has been wound down at this time; may be resurrected if future need arises.

## Task Force Charter Update - Eaton

- Draft Charter was reviewed by GBLT & discussed at JTF meeting
- Minor modifications made to standardize the “Vice Chair” role
  - If vacant, duties of Vice Chair fall to the Chair
- Draft finalized and provided to GBLT



# SERVICE DELIVERY TASK FORCE

## Discussion Items:

1. Approval of "GeoAI in Focus: A Special Report"
2. Renewed/revived effort to update the county data sharing map.  
*Counties, are you sharing your data to help us build the PA Basemap?*
3. Several new members will join the task force this year!
4. Presentations:
  - A. Fantastic January 30<sup>th</sup> presentation from Andrew Schroeder about on *CrisisReady!* We learned how real-time mobility data – anonymized cell phone data - are being used to reveal evacuation and displacement patterns before, during, and after disaster events.

# SERVICE DELIVERY TASK FORCE

## Discussion Items:

### 4. Presentations (continued):

#### **B. Wed. Feb. 25, 2026, from 10:00 to 11:30 AM**

- ⊕ Landslides, Mudslides, and Associated Risk, Part 1
- ⊕ PEMA and partners will present the first of two training webinars focused on landslides, mudslides, and associated risk.
- ⊕ An overview of landslides and mudslides, and tools for assessing risk.

#### **C. Fri. Mar. 13, 2026 from 10:00 to 11:30 AM**

- ⊕ Landslides, Mudslides, and Associated Risk, Part 2
- ⊕ Reports and case studies about landslide hazard risk mitigation projects in Pennsylvania communities.
- ⊕ Both webinars are intended for municipalities, insurance representatives, hazard mitigation planners, floodplain managers, GIS specialists, and state agencies.



# SERVICE DELIVERY TASK FORCE

## Discussion Items:

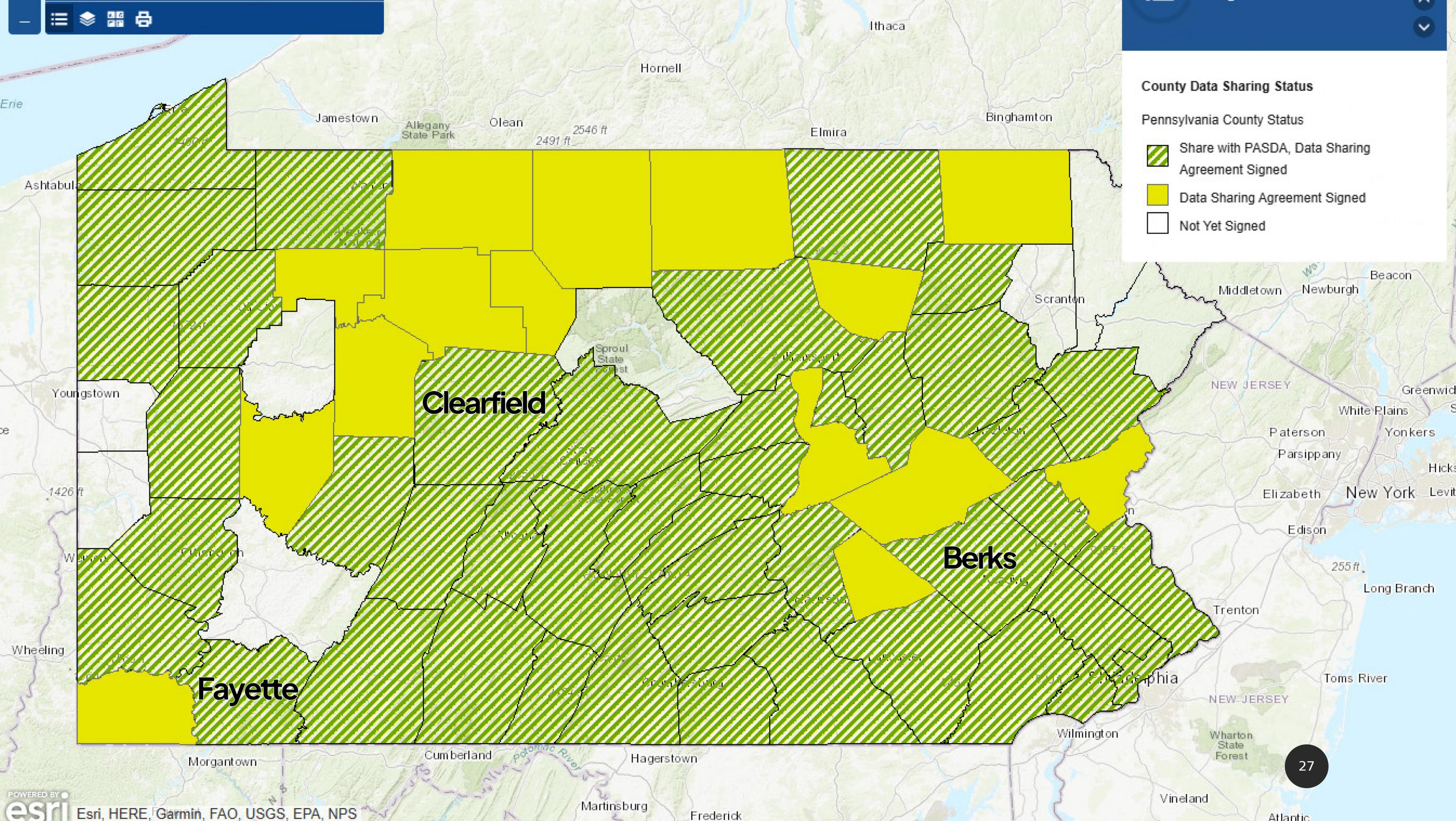
### 4. PASDA Updates:

- A. Philadelphia 2025 imagery and LiDAR
- B. Allegheny County landslide data
- C. USGS landslide data points and polygons
- D. Allentown LiDAR data
- E. NRCS Major Land Resource Area (MLRA) resources
- F. Updated NRCS soils data
- G. + **Clearfield County** data – SSAP & RCL
- H. + **Berks County** – SSAP, RCL, & Parcels
- I. + **Fayette County** – Parcels

### County Data Sharing Status

#### Pennsylvania County Status

-  Share with PASDA, Data Sharing Agreement Signed
-  Data Sharing Agreement Signed
-  Not Yet Signed



# DATA TASK FORCE

Working Group updates - Al Guisepppe

- A. Civic Boundary WG - Eric Jespersen
- B. Address WG - Justin Smith
- C. Elevation WG - Eliza Gross
- D. Hydrography WG - Ellen Fehrs
- E. Geodetic WG - Scott Drzyzga
- F. Parcels - Scott Drzyzga



# CIVIC BOUNDARY WORKING GROUP

**Report** – Eric Jespersen

**Overarching goal of the CBWG:** 100% relative boundary data alignment between state and federal datasets.

## 2025 Priorities were:

- Continue to improve data quality through BAS and BQP
- Focus promotion on maintaining currency and quality
  - Improve outreach
  - Improve data management workflows
- Increase executive support/Find additional resources
  - An opportunity to improve boundary quality before 2030 Census.





# CIVIC BOUNDARY WORKING GROUP

## Recent Developments

- |        |  |
|--------|--|
| DCED   | BAS responsibility acknowledged;<br>Continuing as CBWG member as liaison, but resigned from Leadership Team. |
| DOT    | Working to limit boundary involvement beyond internal needs.   |
| Others | No additional assistance or support forthcoming  |

## Resulting Outlook

Limited data quality improvement is planned due to lack of interest and resources.

No change expected without action to name an official boundary data steward with responsibilities defined.

# ADDRESS WORKING GROUP

**Report** – Justin Smith @ Cumberland County

Address Workgroup (AWG) has been hosting presentations to raise member awareness of the address landscape.

Topics include...

- County address coordination and maintenance
- PEMA NG911 address initiatives
- 3D addresses
- Elections and registered voter addresses



# ADDRESS WORKING GROUP

## Jurisdictional activities

- Municipal
  - PA has 1000 municipal address authorities
  - PEMA is planning outreach with the finalization of *Addressing Reference Guide* as a best practice document to promote address authority alignment with NG911 standards
- County
  - CCAP PA GIS Pros hosting county collaboration with NG911 Subcommittee & newly formed Elections Subcommittee
  - PEMA is planning outreach with the finalization of Data Sharing Agreement, which will allow counties to sign up for sharing automated updates of their NG911 SSAP and RCL datasets with minimal redactions

# ADDRESS WORKING GROUP

## Jurisdictional activities

- State
  - PEMA NG911 SSAP statewide features 5,782,749 – Aug. 2024
  - PEMA NG911 SSAP statewide features 5,825,506 – Jan. 2026
  - + 42,757 features
- Federal
  - National Address Database has 9 participating PA counties
  - AWG is lacking federal address project coordination



# ELEVATION WORKING GROUP

**Report** – Eliza Gross @ U.S. Geological Survey

## 1. Leadership meetings

- January 14, 2026
  - Planning for next quarterly meeting
  - Discussion about PennDOT acquiring lidar data along roads
  - Discussion about foreign-made drone regulation/restriction

## 2. Quarterly meetings

- November 5, 2025
  - Rick Eagle (Sanborn) presented "*Maximizing ROI with Avalanche LiDAR: Unlocking Greater Efficiency and Value*," which focused on Sanborn's new photon-counting lidar sensor, its technical specifications, and its application possibilities.



# ELEVATION WORKING GROUP

## 2. Quarterly meetings (cont')

- January 28, 2025

- Amanda Pachomski (USFWS, NWI Regional Coordinator) and Zac Winters (Dewberry) presented "*NWI Wetland Mapping in PA*," which focused on NWI wetland mapping projects in PA and how 3DEP and preliminary 3DHP data were successfully used to update the NWI dataset.

## 3. Updates for topographic lidar elevation projects and inland river data acquisitions on next five slides.



# 3D ELEVATION PROGRAM (3DEP)

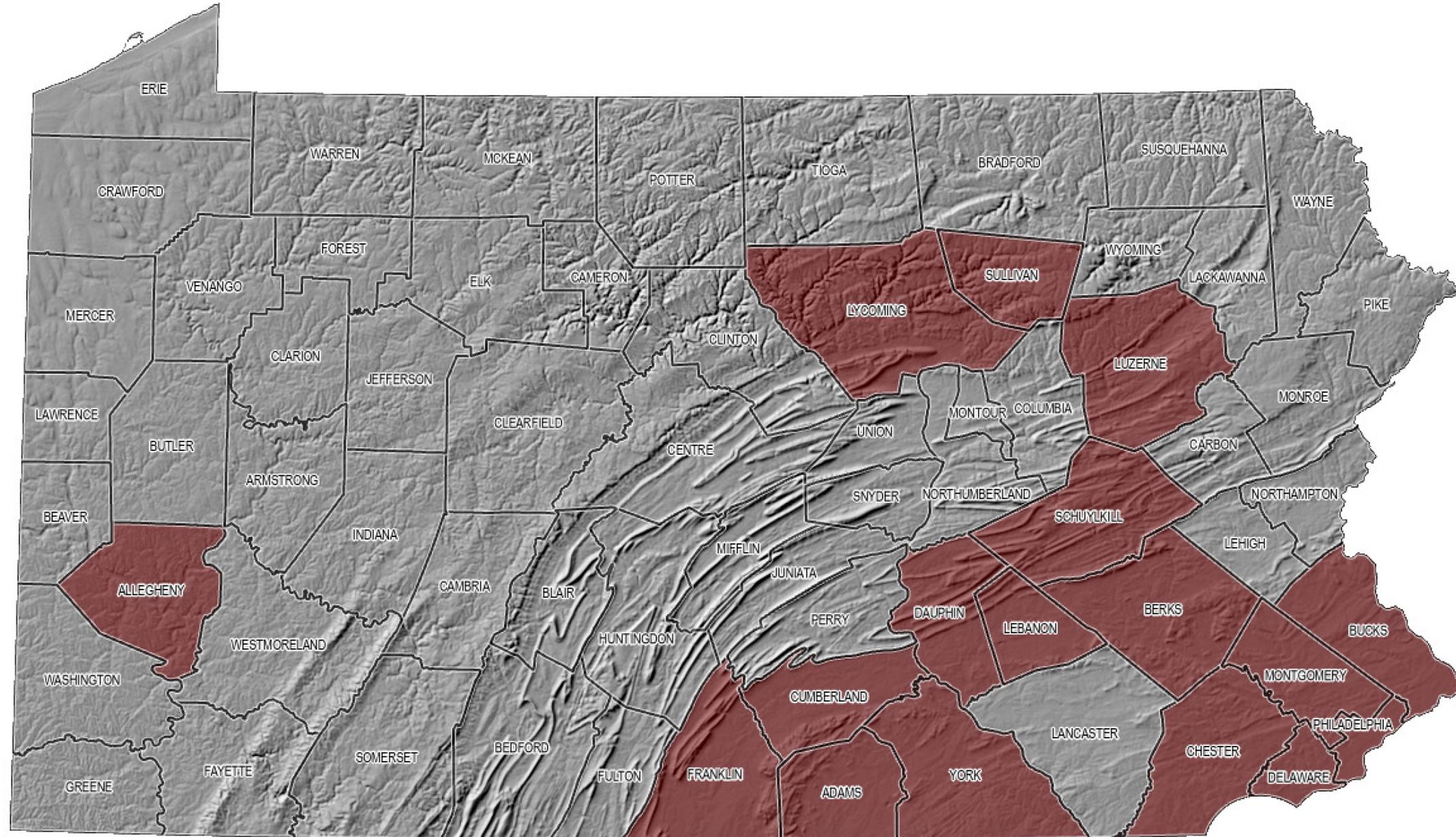
PA\_17County\_D24

## Description:

- 10,872 square miles
- Quality Level 1 (QL1)
- Funded by NRCS and USGS
- Southeast portion is tide-coordinated

## Status:

- April 29, 2024 – Kickoff meeting held
- April 3, 2025 – Data acquisition completed
- Fall 2025 – Deliverables for all Work Units were scheduled to be submitted Sept 30, but the contractor had to wait for the government to reopen. This means project is running about two months behind.
- June 30, 2026 – Final accepted data estimated to be available (Aug/Sept 2026 timeframe is more likely)



# 3D ELEVATION PROGRAM (3DEP)

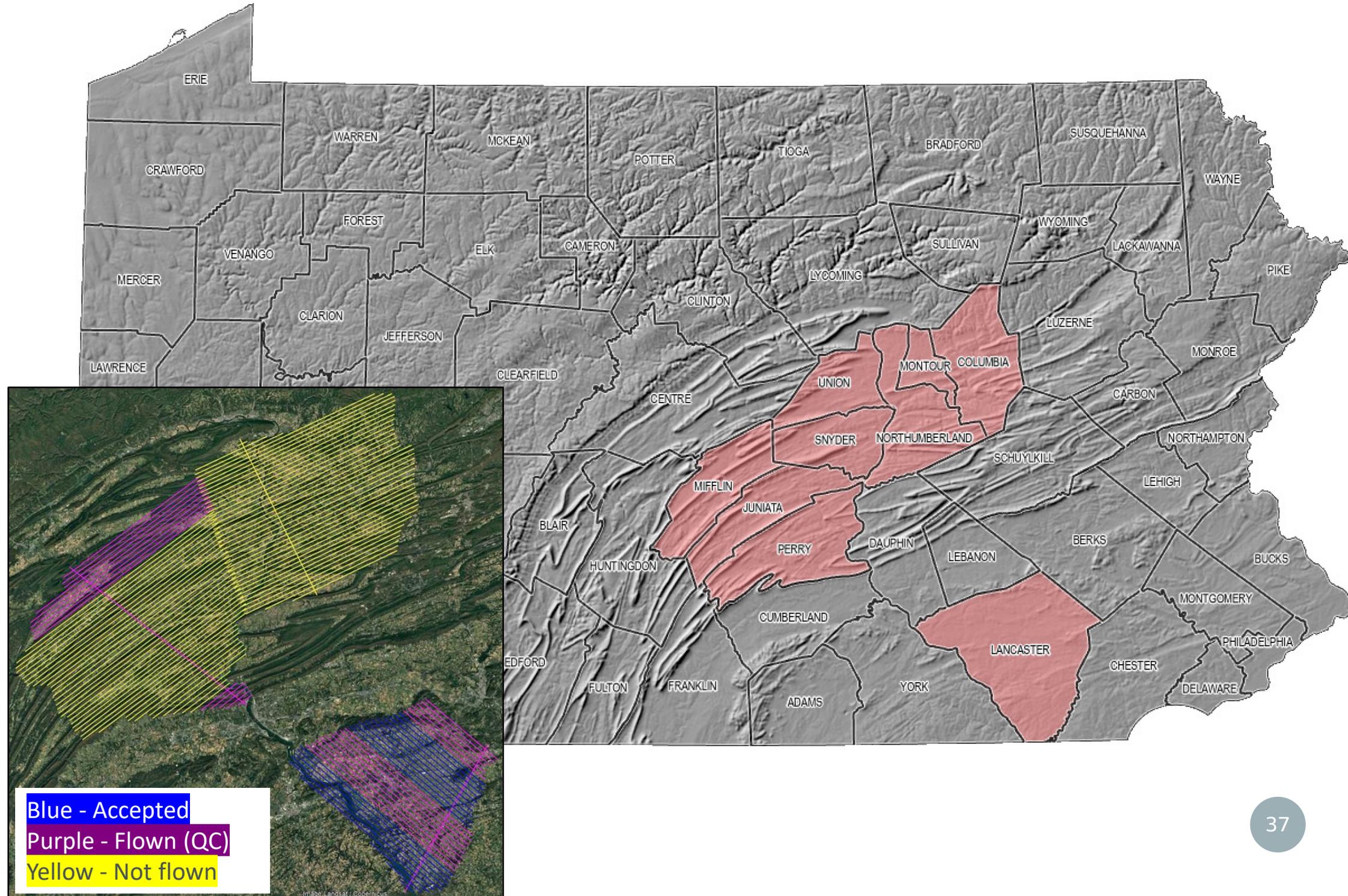
PA\_9County\_D25

## Description:

- 4,125 square miles
- Quality Level 1 (QL1)
- Funded by NRCS and USGS

## Status:

- May 28, 2025 – Kickoff meeting held
- Spring 2025 – Data acquisition began
- Fall 2025/Winter 2026 – Data acquisition continues (see map)
- June 30, 2027 – Final accepted data estimated to be available



# 3D ELEVATION PROGRAM (3DEP)

PA\_19County\_D26

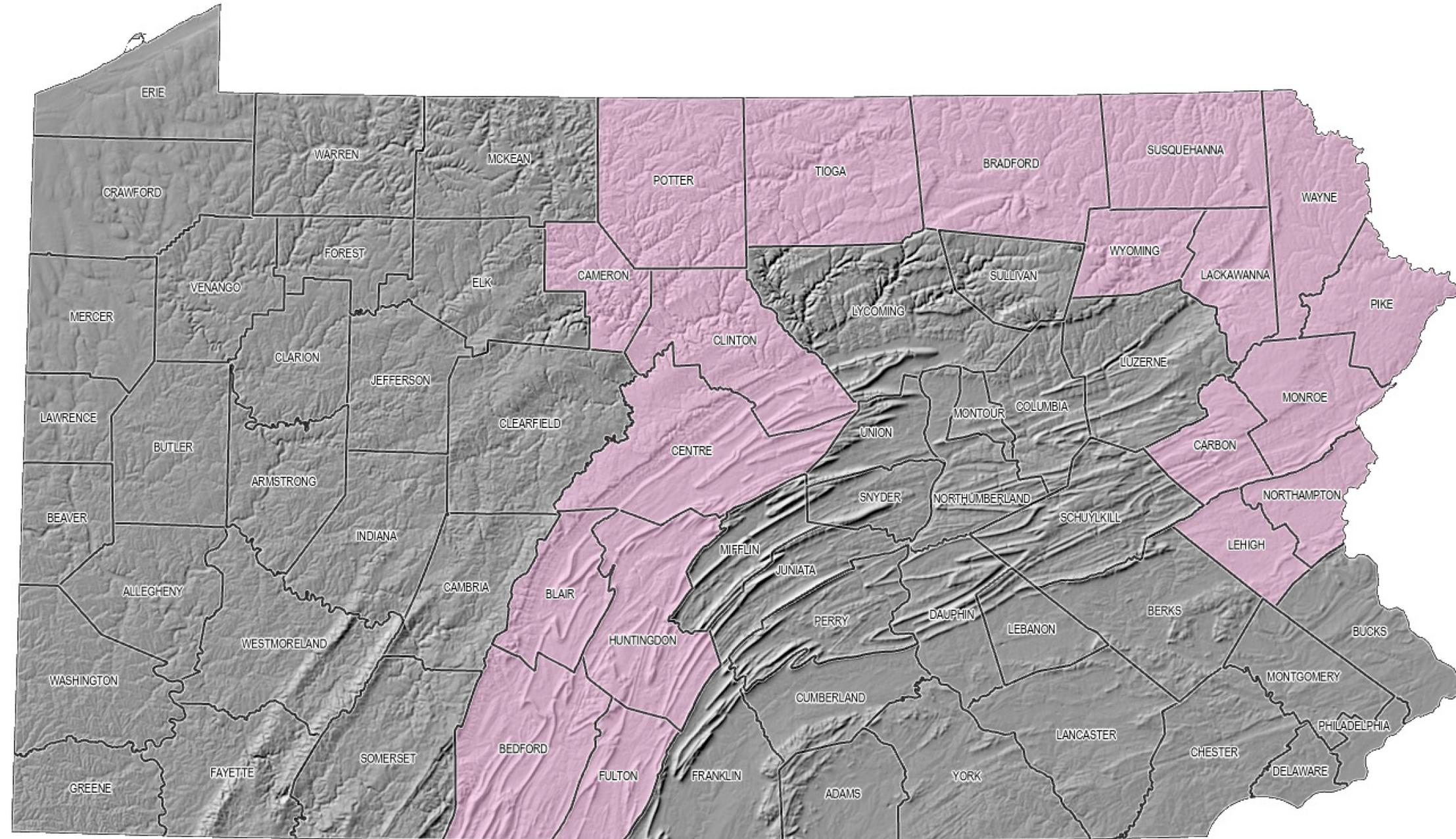
## Description:

- 13,471 square miles
- Quality Level 1 (QL1)
- Funded by NRCS and USGS (Great Lakes funding)

## Status:

- Not yet awarded

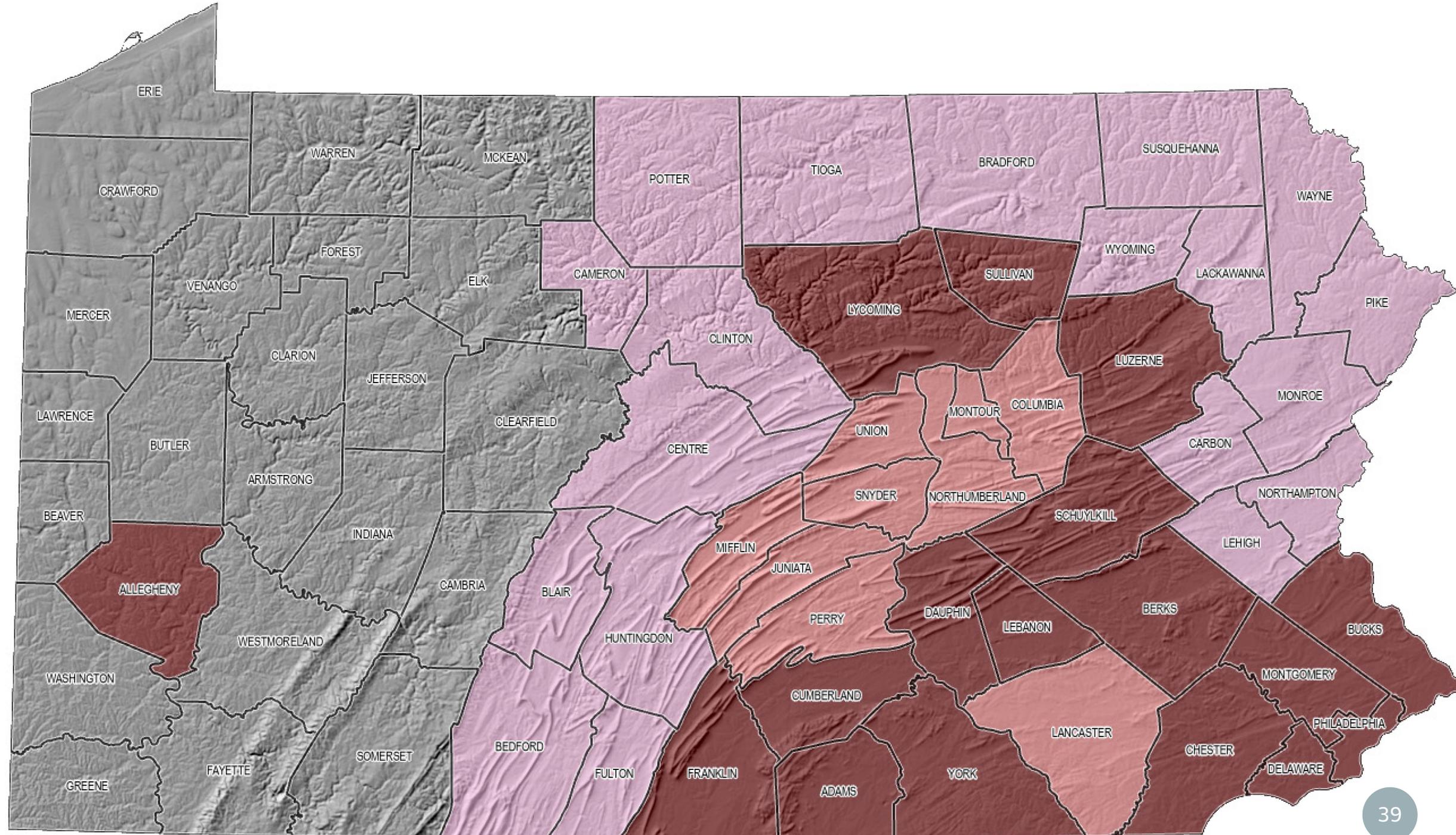
Reach out to Eliza with any questions – [egross@usgs.gov](mailto:egross@usgs.gov)



# 3D ELEVATION PROGRAM (3DEP)

## Next Generation of 3DEP in PA

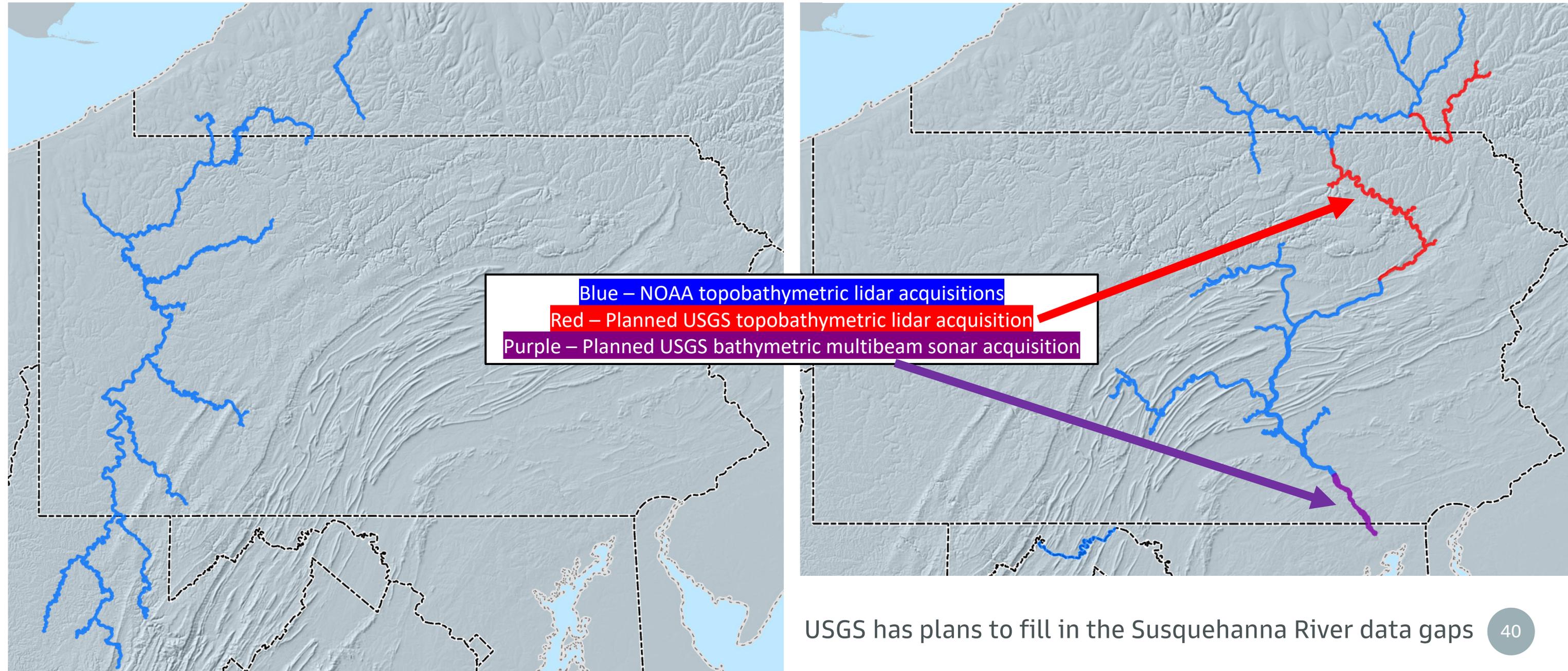
- ✓ QL1 lidar acquisitions
- ✓ 2026 - PA\_19County\_D26 - New!
- 2025 - PA\_9County\_D25 - In progress
- 2024 - PA\_17County\_D24 - In progress



# NOAA ACQUISITIONS ON INLAND RIVERS AND USGS FILLING IN DATA GAPS

FY2024 projects – acquired Fall 2024 through Summer 2025; data in review

FY2025 projects – acquired Fall 2025; data in review



USGS has plans to fill in the Susquehanna River data gaps

# ELEVATION WORKING GROUP

## 4. Goals for Q2:

- Quarterly meetings
  - April 16 or 17, 2026 TBD Spring Quarterly meeting – will be in-person only at the PA GIS Conference (no special speaker, project updates only)
- Leadership meetings
  - February 27, 2026 10-11am
  - March, 2026 TBD
  - No meeting in April due to PA GIS Conference
  - May, 2026 TBD
  - June, 2026



# HYDROGRAPHY WORKING GROUP

**Report** – Ellen Fehrs & Pennsylvania Bureau of Geological Survey

1. Monthly meetings — Last Monday of every month, 2:30 pm – 3:30 pm
  - Contact [efehrs@pa.gov](mailto:efehrs@pa.gov) for an invitation.
  - Q1 Focus:
    - Reviewing and consolidating meeting minutes from the 3D Hydrography Workshops for State and Local/Regional partners.
  - Q2 Focus:
    - Drafting initial version of 3D Hydrography Report (Opportunity Brief)
3. Opportunity Brief: A briefing created by a Task Force, Subcommittee, or Working Group that documents specific and timely opportunities for collaboration and/or process improvement. Opportunity Briefs are non-binding and prepared as needed on no fixed schedule. Release of an Opportunity Brief, including its publication and delivery details, requires approval of the GeoBoard Leadership Team. Any release of an Opportunity Brief shall be reported at the next Quarterly GeoBoard Meeting.
  - a. An Opportunity Brief cannot be released if it has not been approved by the GBLT.

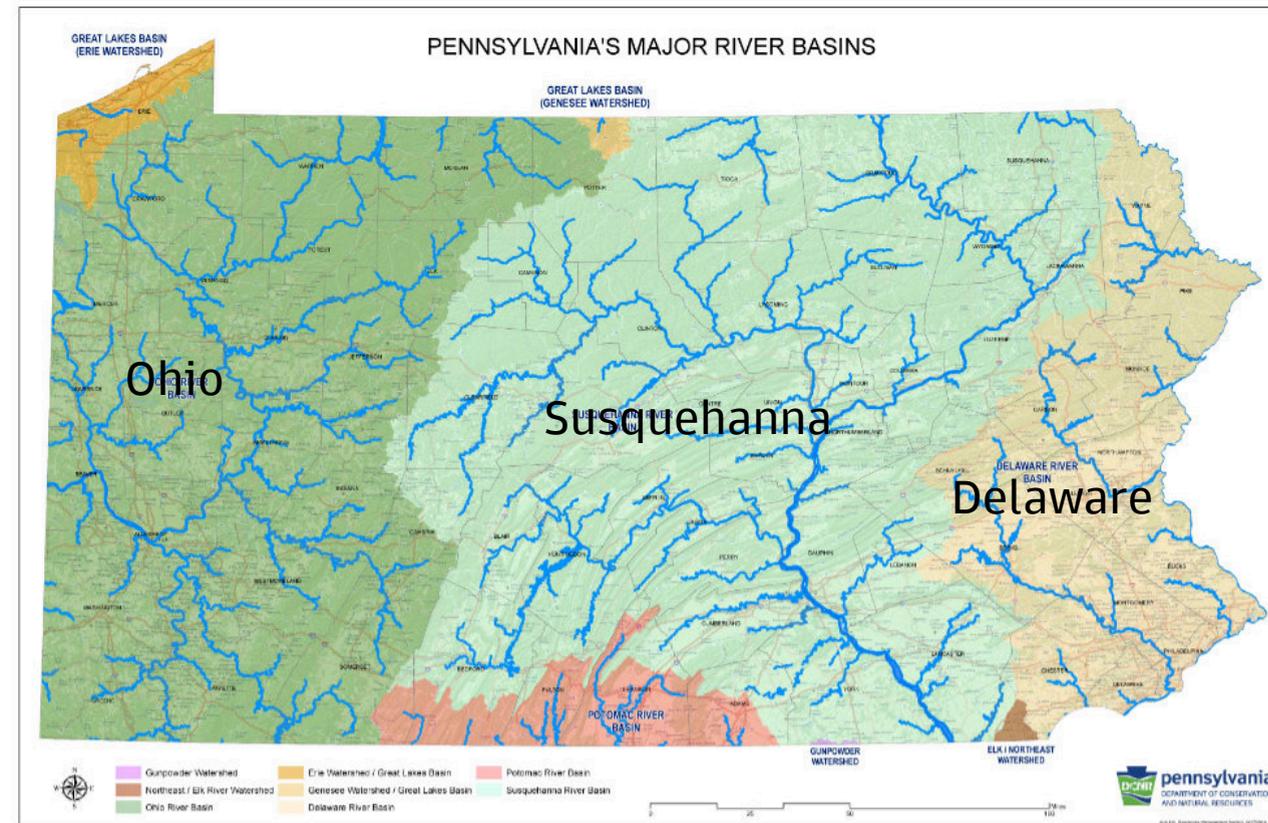
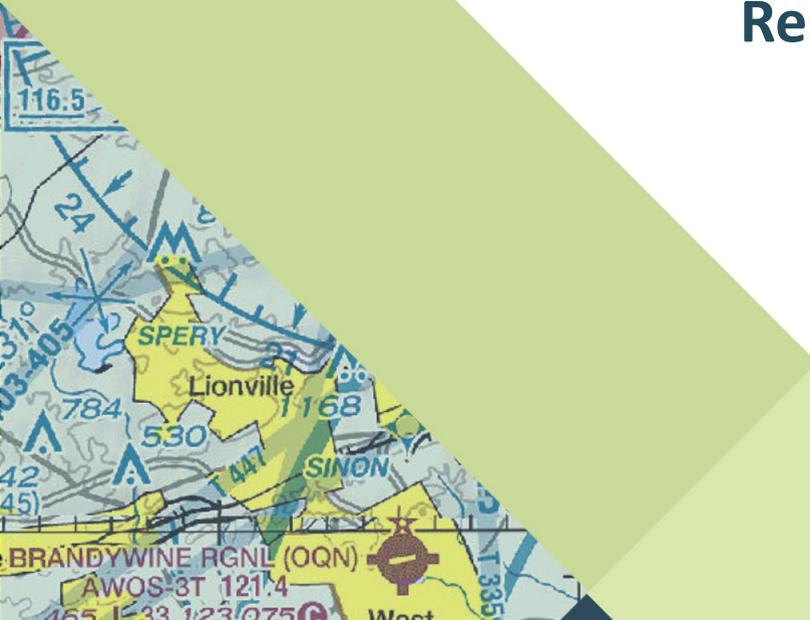


# HYDROGRAPHY WORKING GROUP

Report – Ellen Fehrs & Pennsylvania Bureau of Geological Survey

## 2. 3D Hydrography Workshops

- Discussing this year's workshops (end of 2026)
    - Should we maintain the State and Local/Regional division
- OR**
- Should we pivot to regional workshops?



- Ohio / Susquehanna / Delaware locations
- (There will continue to be a virtual option.)

Where would we hold the workshops?

# Ohio River Basin

Moraine State Park  
Region 2 Conference Room  
(Lawrence County)



# Susquehanna River Basin

Union County Government Center



# Delaware River Basin

Nolde Forest Environmental Education  
Center  
(Berks County)



# HYDROGRAPHY WORKING GROUP

**Report** – Ellen Fehrs & Pennsylvania Bureau of Geological Survey

## 2. 3D Hydrography Workshops

- Discussing this year's workshops (end of 2026)
    - Should we maintain the State and Local/Regional division
- OR**
- Should we pivot to regional workshops?

### **Reasons to maintain State and Local/Regionally-specific workshops:**

- Smaller groups felt that their voices were more prominent
  - (Based on 1 comment)
- Workshop discussion can focus on issues relevant to each group
- Less travel for (most) speakers

# HYDROGRAPHY WORKING GROUP

**Report** – Ellen Fehrs & Pennsylvania Bureau of Geological Survey

## 3. HWG Webinars

- Artificial intelligence (machine and deep learning) as a mechanism for producing or improving hydrography data
- The migration of legacy data from the NHD (e.g. permanent identifiers, reach codes) to “equivalent” features in the 3DHP dataset
- Flood inundation modeling using 3D hydrography data
  - Most popular at the Local/Regional Workshop
  - Alex Shreffler (Venango County) – Potential partnership with Pennsylvania Association of Floodplain Managers (PAFPM)



# HYDROGRAPHY WORKING GROUP

**Report** – Ellen Fehrs & Pennsylvania Bureau of Geological Survey

## In Summary

Regional workshops (multiple locations)  
**or**  
group-specific meetings (State and Local/Regional)?

What webinar topics would be of most interest to you?

Next meeting: **Monday, February 23<sup>rd</sup> from 2:30 pm – 3:30 pm**

# GEODETIC WORKING GROUP

**Update** – Scott Drzyzga

Members of the GWG met irregularly to:

- ⊕ prepare for the PSLS Surveyors' Conference;
- ⊕ track legislation;
- ⊕ discuss a user-friendly guide for GIS practitioners about the spatial reference system modernizations.
- ⊕ and meet Dan Martin @ NGS;
- ⊕ Also, John Hamilton will continue as a member of the WG, but he stepped down as Chair.

# PARCELS WORKING GROUP

## Update – Scott Drzyzga

- ⊕ In the first half of 2025, the PWG and the County GIS Pro's Land Records Committee were holding joint meetings under common leadership.
- ⊕ Work was underway to identify and test a schema that could support an authoritative county-authored statewide parcel dataset.
- ⊕ Unfortunately, both groups lost momentum in the second half of 2025 after leadership vacated.
- ⊕ New groups are coming together, and monthly meetings are being scheduled on 3<sup>rd</sup> Wednesdays starting with Feb. 18<sup>th</sup>.



# CALL FOR NEW BUSINESS





# 2026 MEETING SCHEDULE

Joint Task Force Meetings @ 10:00 AM	Board Meetings @ 1:30 PM
<del>Thu. January 15</del>	Thu. February 12
Thu. April 23	Thu. May 21
Thu. July 16	Thu. August 20
Thu. October 15	Thu. November 12
Microsoft Teams	Bureau of Geological Survey 3240 Schoolhouse Road Middletown, PA, 17057 and Microsoft Teams



COMMONWEALTH OF  
PENNSYLVANIA

QUARTERLY  
**GEOBOARD MEETING**  
ADJOURNED

Thank you for participating!

STATE GEOSPATIAL  
COORDINATING BOARD

