

GEOBOARD MEETING AGENDA

I. Call to Order and Greeting – Drzyzga
II. Membership Roll Call – Guiseppe
III. Review Minutes from last meeting – Drzyzga
IV. Act 52 of 2026
V. Current Business
    A. Updates from OA GIS – Petroski
    B. Updates from 911 Advisory Board – Smith
    C. Updates from the Leadership Team
        1. Governance Task Force – Zubek
            a. Legislative Tracking
        2. Service Delivery Task Force – Lettiere and Kelly
        3. Data Task Force – Guiseppe
            a. Civic Boundaries WG – Drzyzga
            b. Parcels & Land Records WG – McLaughlin
            c. 3D Elevation and Imagery WG – Gross
            d. 3D Hydrography WG – Fehrs
            e. Geodetic WG – Drzyzga
            f. Address WG – Bodtorf – No report
VI. New Business
    A. Calls for New Business
    B. Announcements and Kudos – Drzyzga
VII. Review 2026 and 2027 meeting schedules – Blackmer
VIII. Adjourn

MEETING MATERIALS



COMMONWEALTH OF PENNSYLVANIA

QUARTERLY

GEOBOARD MEETING

12 Nov. 2026 @ 1:30 PM

Welcome!

STATE GEOSPATIAL COORDINATING BOARD



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MEETING MATERIALS


Palmerton
LEHIGH VALLEY
CT 120.5 ATIS
284°
115°
240°
609
44
SFC
069°
BETHLEHEM
551
702
ALLENTOWN
596
golf
course
518
757
bldg
Emmaus
QUEEN CIT
AWO
133°

ROLL CALL


Palmerton
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CT 120.5 ATIS
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QUEEN CIT
133°

MINUTES



MINUTES

The Minutes from the last Quarterly GeoBoard Meeting on Aug. 20th were reviewed and corrected during the subsequent Joint Task Force meeting on Oct. 15, 2026.

Pennsylvania
State Geospatial Coordinating Board
Meeting Minutes
Date: August 20, 2026 @ 1:30 PM
Location: Microsoft Teams (remote only)

I. Dr. Scott **Drzyzga**, Executive Director, called the meeting to order at 1:30 PM and noted the meeting was not being recorded and no AI transcription service was being used. The meeting format was changed, paradoxically, from hybrid to remote-only because of a widespread internet service outage.

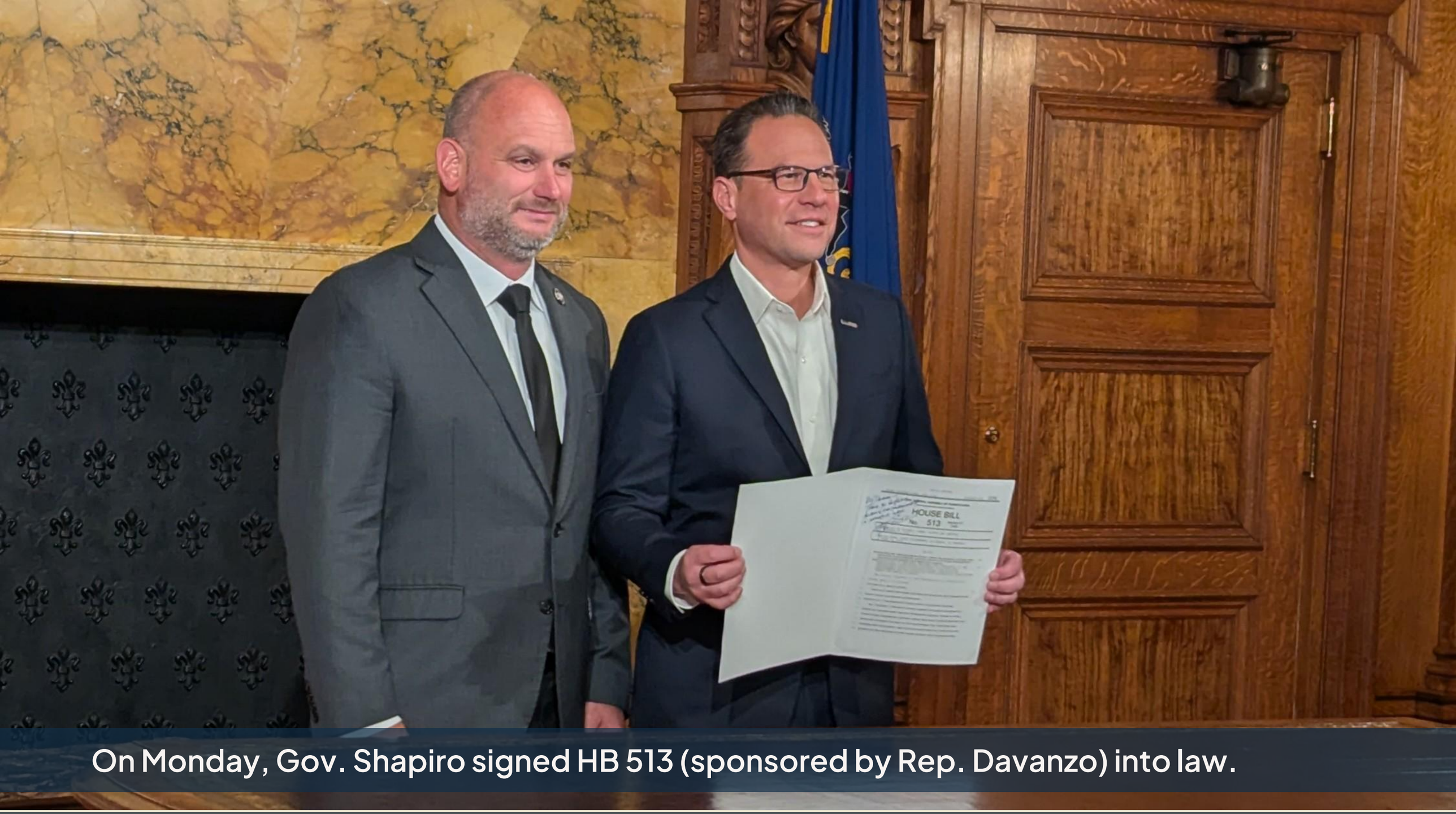
   A. Meeting materials available at: https://oa.pa.gov/geoboard/

II. **Drzyzga** welcomed Deputy Secretary Ian **Harlow** (DEP) to the GeoBoard. **Harlow** is serving as Secretary Shirley's designee; he shared DEP's intent to embrace geospatial data and GIS services as foundational elements of a modernized and data-driven DEP. DEP seeks help in writing a GIS position description that reflects a business perspective rather than a technician perspective.

III. **Guiseppe** conducted roll call.

   A. Board members present:

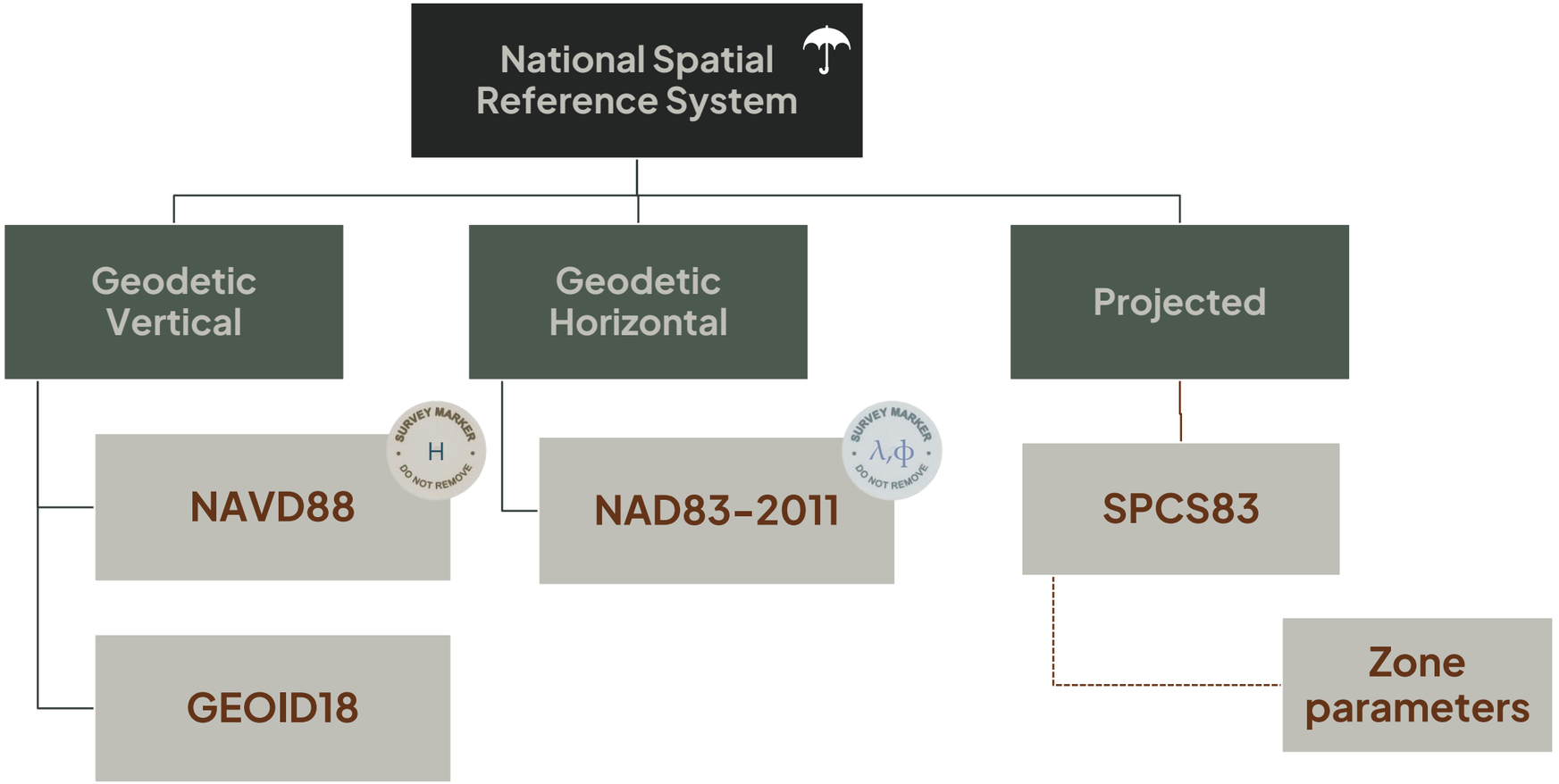
      - Dept. Conservation and Natural Resources (Gale **Blackmer**, Chair)
      - Governor's Office of Administration (Kevin **Eaton**, Vice-Chair)
      - Dept. of Environmental Protection (Ian **Harlow**)



On Monday, Gov. Shapiro signed HB 513 (sponsored by Rep. Davanzo) into law.



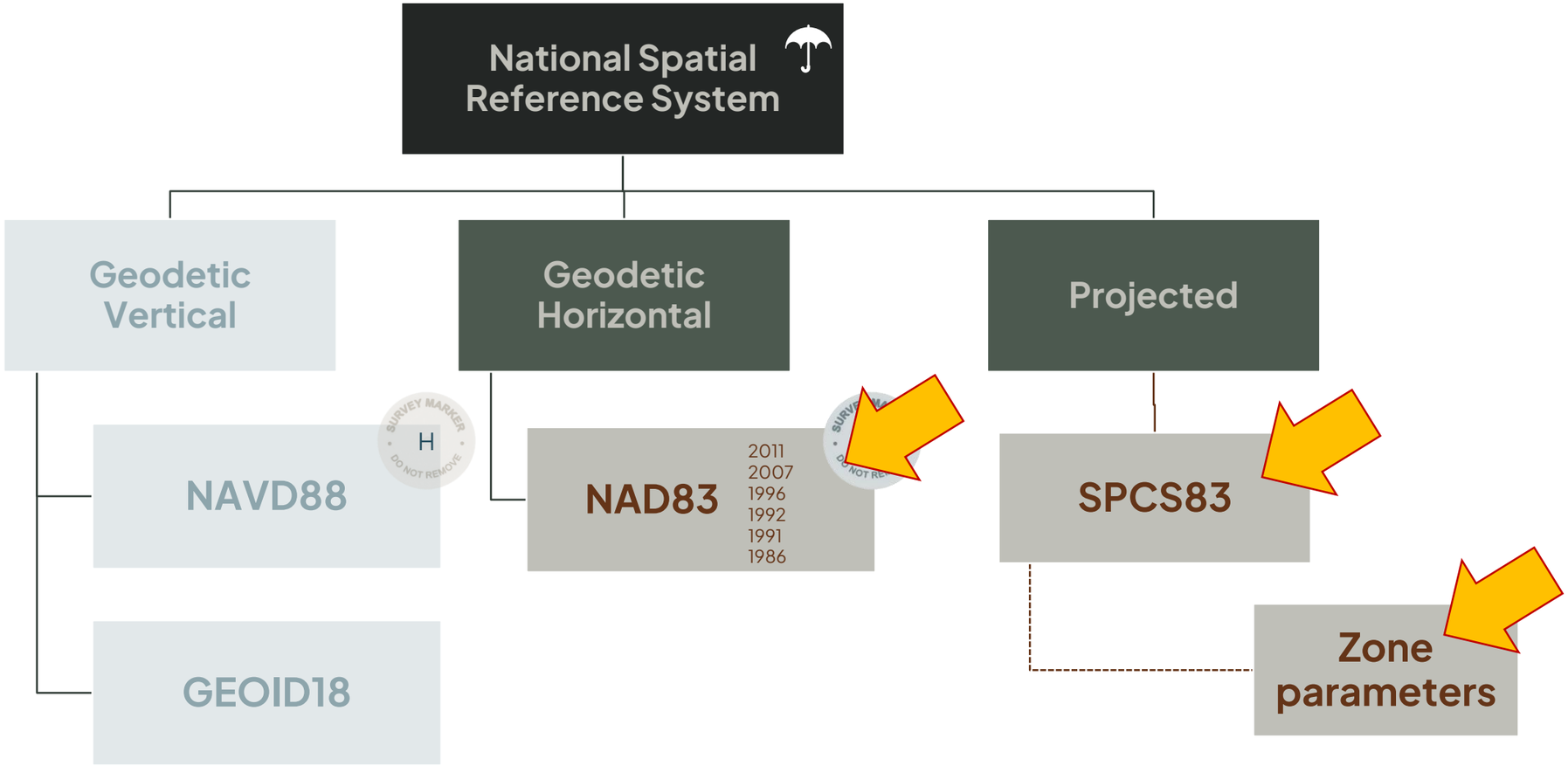
OUR NATIONAL SPATIAL REFERENCE SYSTEM





PA ACT 161 OF 1992

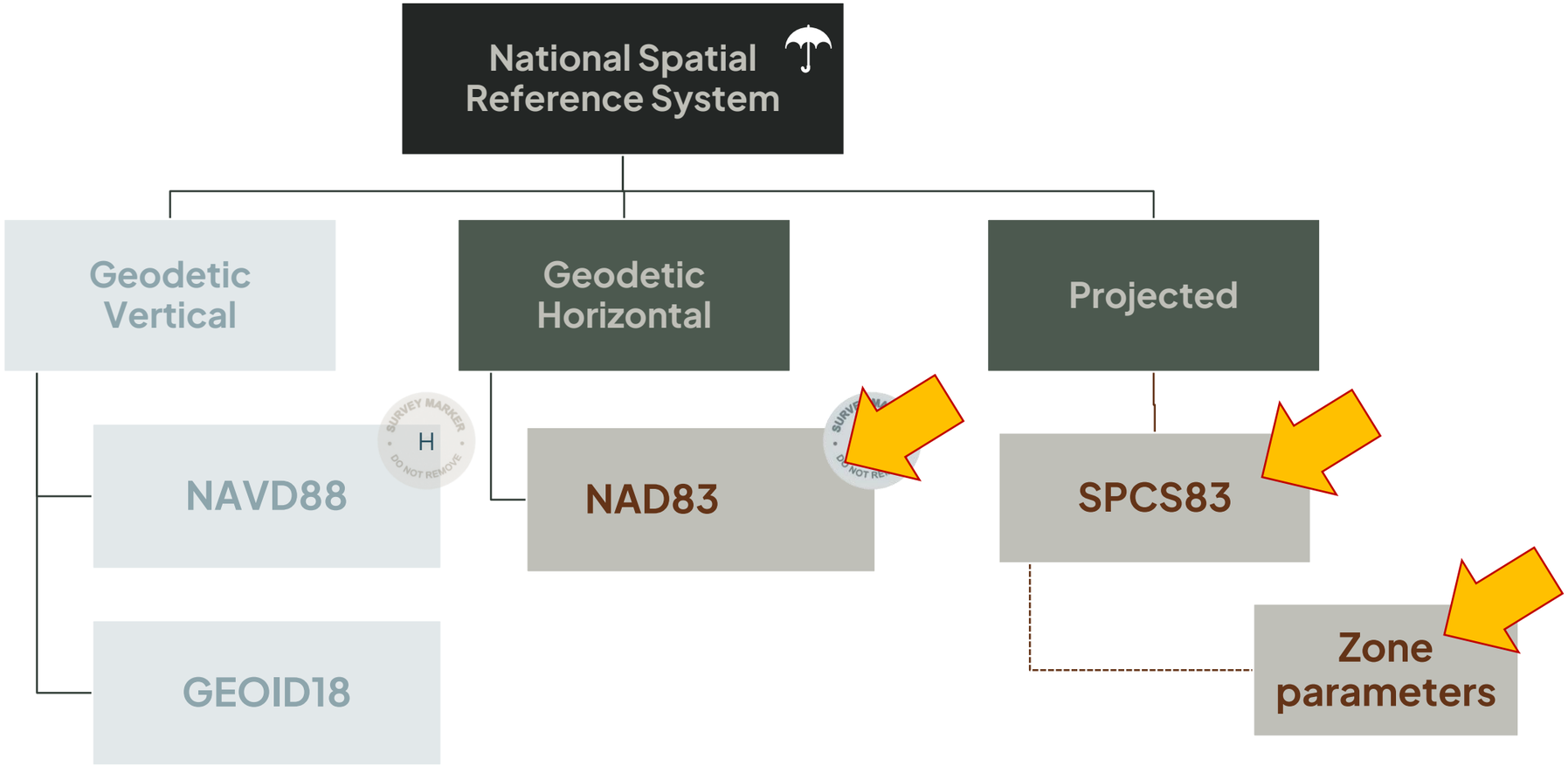
Pennsylvania Coordinate System Law





PA ACT 161 OF 1992

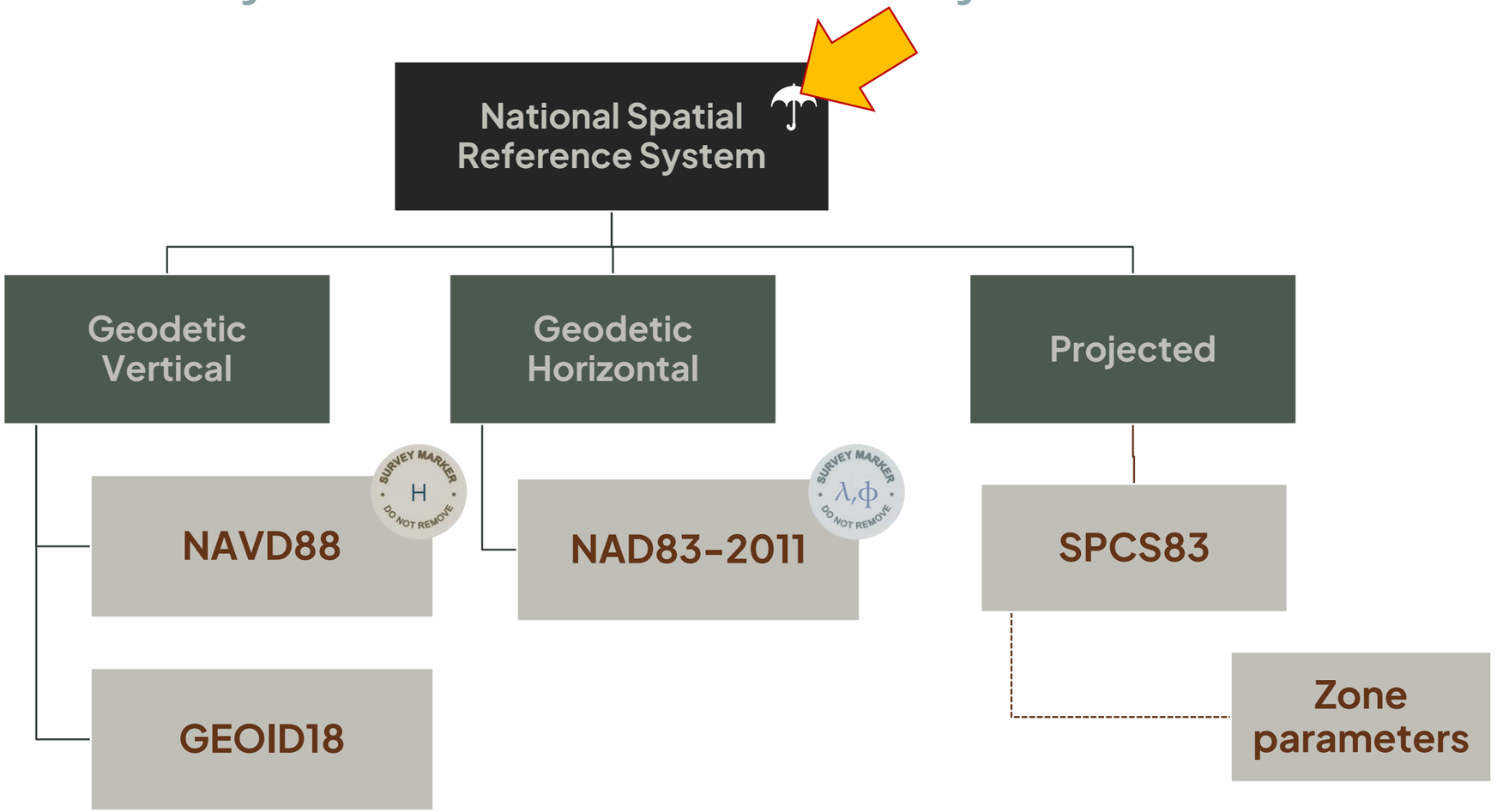
Pennsylvania Coordinate System Law



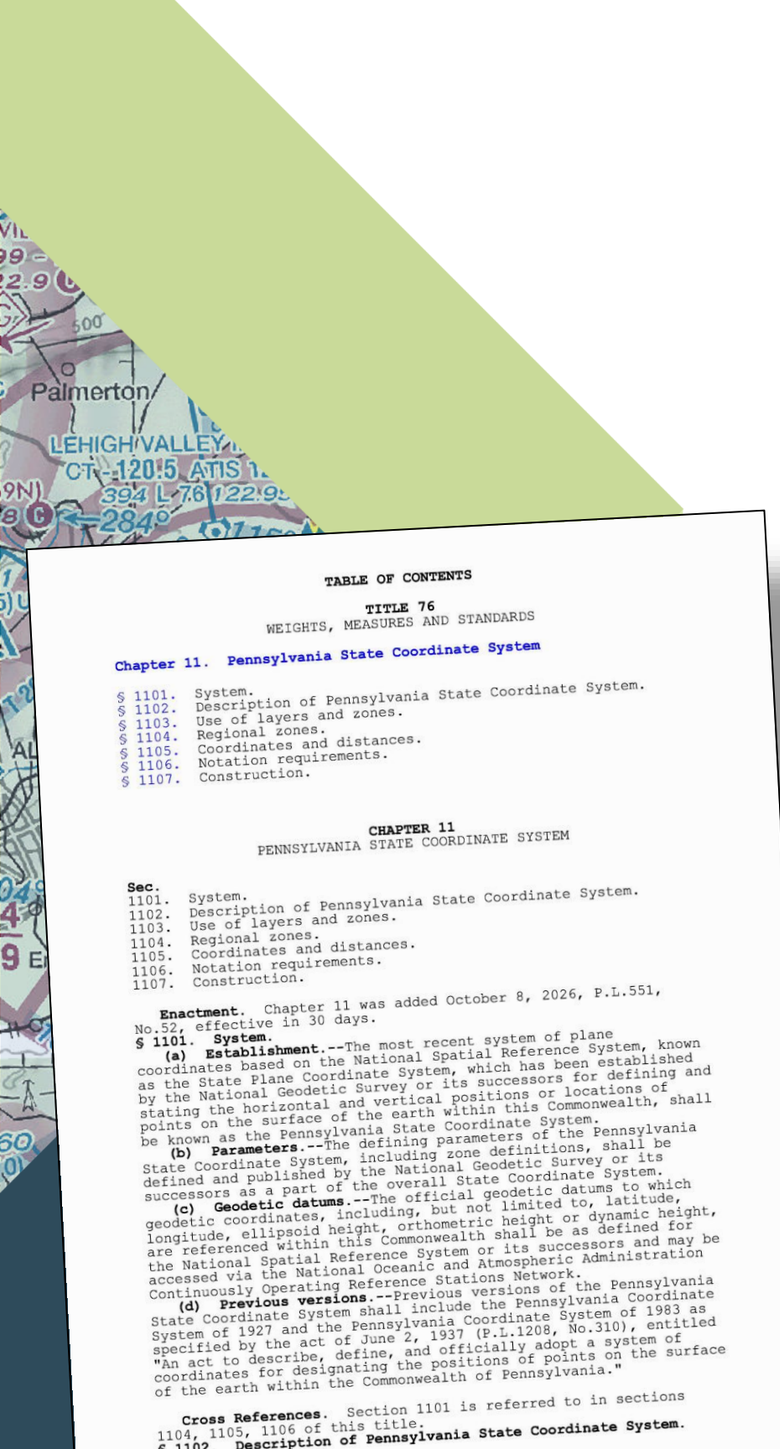


ACT 52 OF 2026 (now TITLE 76 Ch. 11 PA.C.S.)

Pennsylvania State Coordinate System



TAKE HOME MESSAGES



Pennsylvania is readying itself for these federal changes.

- Standards now include **horizontal and vertical** components.
- New **metadata / map notation** requirements.
- Title 76 Ch. 11 was written so future changes to the NSRS can waterfall automatically into our Commonwealth standards.
- All systems are defined in metric. For conversions, the International Foot supersedes ~~the U.S. survey foot (sFT).~~

  1 foot = 0.3048 meter, *exactly*.





EXPECTED IN 2027

NAPGD2022 (geoid and vertical datum) will supersede NAVD88.

- Vertical shift in PA, approx. -0.5 to -0.3 m ~(-1.6 to -1 feet)

NATRF2022 (horizontal datum) will supersede NAD83

- Horizontal shift in PA, approx. 1.1 to 1.3 m ~(3.6 to 4.3 feet)

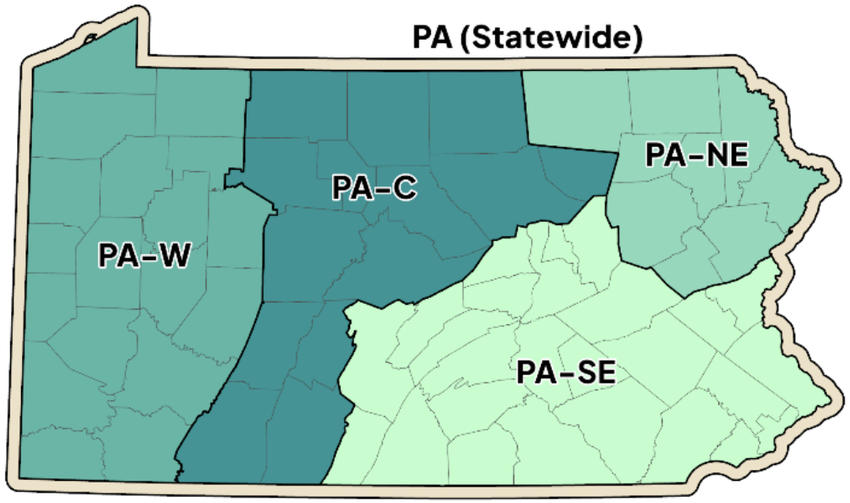
The official release (expected in mid-2027) will trigger a 5-year implementation timeline for federal agencies via a funding clause in the **National Geospatial Data Act of 2018 § 759A**



EXPECTED IN 2027

PA's new State Plane Coordinate System will have two layers

- 1 statewide mapping zone (PA)
- 4 low-distortion zones (PA-W, PA-C, PA-NE, PA-SE)
  - Less map projection distortion in smaller zones
  - Much improved grid-to-ground performance

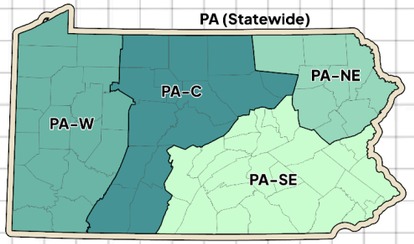


EXPECTED IN 2027



National Spatial Reference System

- **Geodetic**
  - **NAPGD2022** (2020.00) — geoid model, time dependent
  - **NATRF2022** (2020.00) — long, lat, time dependent
- **Projected**
  - **SPCS2022** (2020.00) — eastings, northings, time dependent



PA zones & parameters



CURRENT BUSINESS



UPDATES FROM OA GEOSPATIAL SERVICES



OA GEOSPATIAL SERVICES

Advancing PA's Enterprise LiDAR & Imagery Program

With GeoBoard support, OA Geospatial Services has developed a phased executive engagement strategy to secure agency partnerships, establish sustainable funding, and advance a coordinated five-year statewide acquisition program aligned with Commonwealth and federal priorities.

PA Parcels Proof of Concept

Phase 1 of the Statewide Parcels Proof of Concept (POC), involving state agencies, has concluded. OA GIS is currently reviewing the GeoBoard Parcel Working Group schema for implementation at the database level within the POC. County participation will be coordinated through the GeoBoard Parcel Working Group. Counties interested in participating are encouraged to attend upcoming working group meetings to learn more and coordinate their involvement.



UPDATES FROM 911 ADVISORY BOARD



SURVEY REPORT – 911 GIS STAFFING

SURVEY REPORT GIS Staffing, Recruitment, and Retention Issues Facing Pennsylvania PSAPs

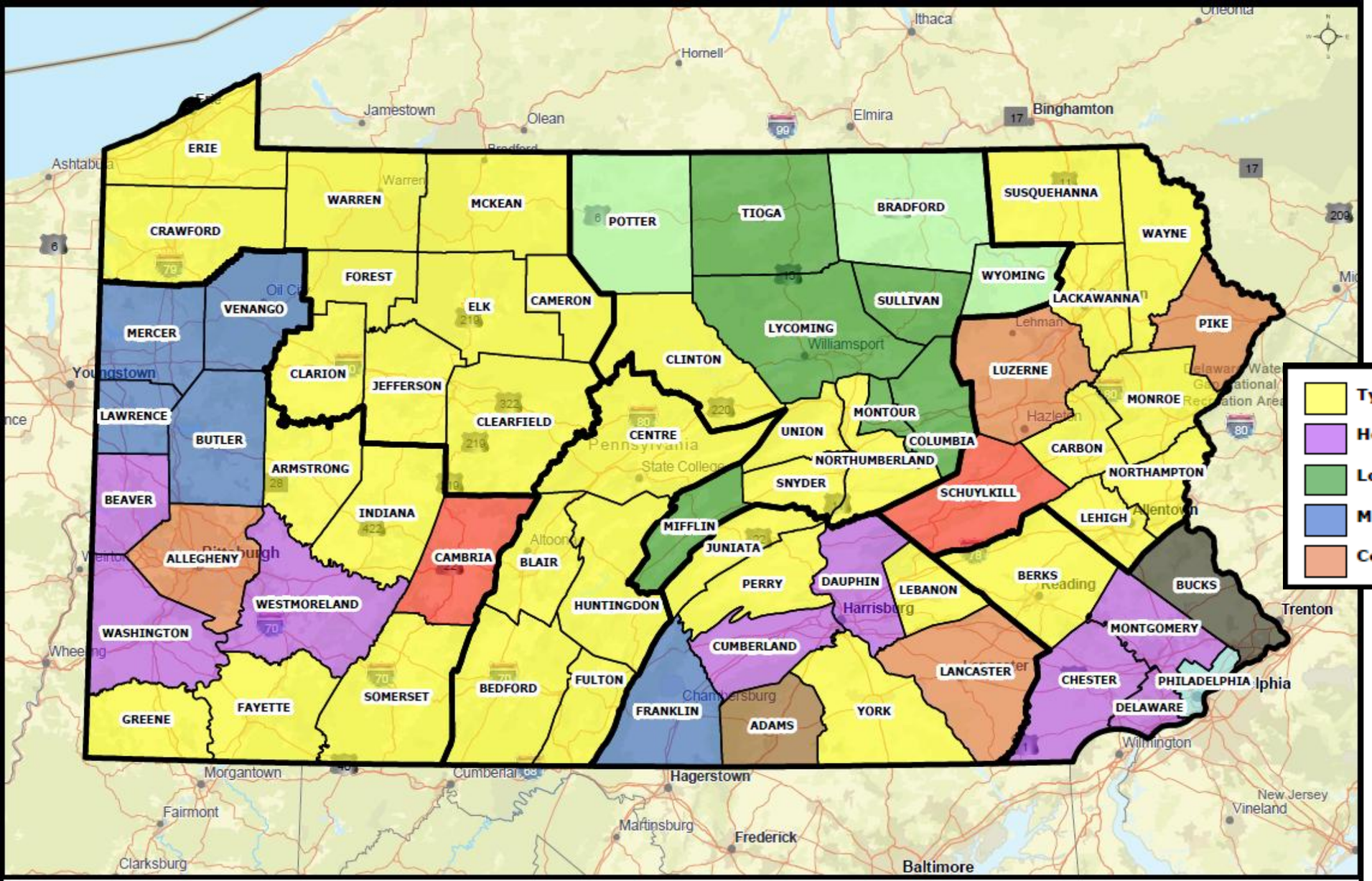
- 66% of county GIS personnel assigned to perform NG911-related work are housed in either the county's 911/public safety or GIS departments.
- 31% of PSAPs report difficulty retaining GIS staff, primarily due to compensation concerns or lack of career progression
- Common theme among responses is the continued need to make county leadership aware of the importance of GIS personnel.



SURVEY REPORT – NG911 GIS DATA

SURVEY REPORT NG911 GIS Data and CAD Integration in Pennsylvania PSAPs

- 53% say PSAP is part of a regional CAD system
  - Takeaway: County GIS Data Stewards are collaborating with their neighbors to build solutions
- 44% reported maintaining two independent GIS datasets – one for NG911 and one for CAD
  - Takeaway: Duplication increases staff workload and the risk of data inconsistencies
  - Takeaway: The other counties are maintaining their GIS data in the NG911 data model, then converting to a CAD-specific schema



CAD SYSTEM VENDORS BY COUNTY, 2024

PEMA
PEMA, ESRI
2/20/2024



GOVERNANCE TASK FORCE

The mission of the Governance Task Force is to document and monitor the governance and operations of the GeoBoard, ensure alignment with legislative requirements, and advise and provide direction to the board.



GOVERNANCE TASK FORCE

Kevin Eaton is Chair, Scott Zubek is Vice Chair

Next meeting December 1, 2026 @ 10 AM

Preparing for GeoBoard Reauthorization by June 2028



GOVERNANCE TASK FORCE

Legislative Tracking - new law this year

PA Act No. 29 of 2026 – County Property Contact Information List

- Amended Title 68 PA.C.S.
- Requires county chief assessor to maintain contact list for non-owner-occupied real property.

PA Act No. 52 of 2026 – Pennsylvania State Coordinate System

- Repealed Act 161 of 1992 and amended Title 76 PA.C.S.
- Repealed references to NAD83; the old pair of SPCS83 zones; and readied PA to adopt NSRS modernization.

PA Act No. 66 of 2026 – Defining Dispatchers as First Responders

- Amended Title 35 PA.C.S.
- The law clarifies the roles and responsibilities of telephone service providers as they transition to NG911 technology, updates requirements for geographic information system (GIS) mapping, and addresses emergency call delivery.



GOVERNANCE TASK FORCE

Legislative Tracking - Bills

HOUSE BILL No. 589 – Landslide and Sinkhole Insurance Program & Fund

- In Senate Community, Economic & Recreational Development Committee since Oct. 7, 2025.

HOUSE BILL No. 2438 – School Mapping Standards

SENATE BILL No. 1390 - Establishing Uniform, High-Quality Standards for School Mapping Technology

- Proposed changes to Public School Code of 1949 providing for school mapping services (boundaries, coordinates, floor plans, addressing, and aerial photography).
- The House version focuses on school financing; referred to House Veterans Affairs & Emergency Preparedness Committee on Apr. 21, 2026.
- The Senate version focuses on school safety and security; received first consideration on Oct. 19, 2026.



SERVICE DELIVERY TASK FORCE

The mission of the Service Delivery Task Force is to explore and evaluate how geospatial services are delivered across the commonwealth and the nation, and to prepare reports, positions, and recommendations for improved service delivery, for the GeoBoard to consider.



SERVICE DELIVERY TASK FORCE

Laura Lettiere is Chair, Maurie Kelly is Vice Chair

Next meeting December 1, 2026 @ 10 AM

3 Emergency preparedness-themed webinars in 2026

1. CrisisReady: Data Driven Decision Making
2. Flooding, Data & Decision-Making
3. Wildfires in Pennsylvania



SERVICE DELIVERY TASK FORCE

What We Are Learning About Spatially Enabled Decision-Making?

1. Spatial data are most valuable when decision-ready
2. Different hazards share a common information problem
3. Preparedness matters as much as response
4. Context is essential
5. There is an audience beyond the traditional GIS community
6. The GeoBoard can help PA transition from providing quality geospatial data to making faster and more informed decisions.



SERVICE DELIVERY TASK FORCE

Opportunities looking forward:

1. Build for readiness so we are prepared when a crisis occurs
2. Strengthen connections among data stewards, emergency response personnel, and communities that may be impacted
3. Demonstrate how hazard data can be integrated with people, environments, and infrastructure.
4. Continue to provide webinars as outreach and learning opportunities.



SERVICE DELIVERY TASK FORCE

PSU Center for Immersive Experiences flood demo video:

1. **Clipchamp** – includes the original Harrisburg Flood Zones and the Mixed Reality Flood Hazard experiences.

PASDA Data Updates:

1. Philadelphia 2025 DEM
2. USGS EDH PA_LowerSusquehanna_D25_H
3. USGS QL1 lidar-PA_17County_D24
4. PA Fish and Boat Commission
5. PA Soils for all Counties 2026
6. Chester, Washington, Erie, Adams, Allegheny and Lancaster County data
7. WeConservePA
8. PA DEP

More webinars planned for 2027!



DATA TASK FORCE

The mission of the Data Task Force is to identify opportunities and provide recommendations regarding how to build and sustainably maintain a set of authoritative, accessible, current, complete, correct, and consistent basemap layers to support decision-making.



DATA TASK FORCE

Al Guiseppe is Chair.

Working Group updates

A. **Civic Boundary WG** – Scott Drzyzga
B. Parcel WG & Land Records Committee – Sean McLaughlin
C. 3D Elevation and Imagery WG - Eliza Gross
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CIVIC BOUNDARY WORKING GROUP

Presentation at APA-PA @ Bethlehem (Oct. 2026)

- Municipal Boundary Change reporting and resources
- Legacy issues

Invited presentation at County Planning Directors Association of Pennsylvania meeting (May 14, 2027)

Reporting Municipal Boundary Changes

Per 53 Pa.C.S. § 719, the governing body of a municipality shall file a final report of boundary change with the County Board of Elections, the Department of Community and Economic Development (DCED), the Department of Transportation (PennDOT), the Governor's Office of Policy Development or its successor, the Department of Education, and the State Tax Equalization Board (STEB) within 15 days after a change in boundaries has taken effect.

When?
Boundary changes and related information shall be submitted to DCED by January 15.

Why?
PA DCED holds an agreement with the U.S. Census Bureau to report any boundary changes on behalf of local governments through the annual Boundary Annexation Survey (BAS).

How?
Changes can be reported through the *Municipal Boundary Change Reporting Form*.
A link to the form is available via DCED's BAS webpage or the QR code to the right.

Questions?
Please visit DCED's BAS webpage or contact ra-dcdced-BAS@pa.gov.

Pennsylvania
Department of Community & Economic Development
Governor's Center for Local Government Services

SCAN
SUBMIT MUNICIPAL BOUNDARY CHANGE

Bethlehem 2026
APA - PA CHAPTER
250
FORGING THE NEXT
Preservation, Innovation, & Collaboration



DATA TASK FORCE

Working Group updates - Al Guiseppe

A. Civic Boundary WG – Scott Drzyzga
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GEOBOARD PARCEL WORKING GROUP & COUNTY GIS PROS LAND RECORDS COMMITTEE (JOINT)

1. This join effort continues to develop and refine a proposed statewide aggregated parcel schema.
2. The primary goal is to create an approach that can work across different counties, CAMA systems, and parcel structures without requiring every county to operate the same way internally. Furthermore, in case legislation is passed that mandates counties share geospatial land records / cadastral data, this initiative could give the counties and state a headstart to standing-up a framework.
3. Secondary goals include creating an internal use / affiliated use version for use by state agencies and creating a redacted version for public use.



GEOBOARD PARCEL WORKING GROUP & COUNTY GIS PROS LAND RECORDS COMMITTEE (JOINT)

1. Next Steps:
    A. Work on ETL's
        i. Begin by aggregating publicly available data from Counties, PASDA, or other Open Data Portals.
        ii. A few counties have tested the schema with very few issues noted
        iii. Establish ETL procedures
    B. Continue to determine, plan, and execute interoperability with systems used by state agencies (example STEB reporting).



GEOBOARD PARCEL WORKING GROUP & COUNTY GIS PROS LAND RECORDS COMMITTEE (JOINT)

Interested in joining / reviewing the schema / providing comment-critique-suggestions?

Reach out to Sean McLaughlin (smclaughlin@mercercountypa.gov) to be added to recurring invite:

3rd Wednesday of the Month from 2 – 3 PM



DATA TASK FORCE

Working Group updates - Al Guiseppe

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3D ELEVATION AND IMAGERY WORKING GROUP

Report – Eliza Gross @ U.S. Geological Survey

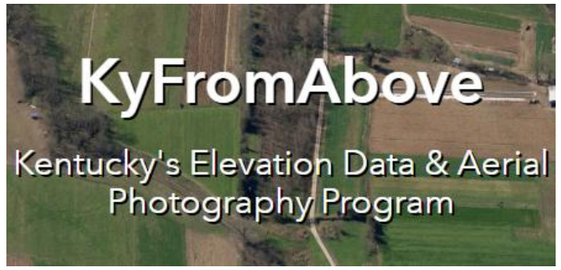


Next Meetings:

- **Winter Quarterly Meeting**
  - **Wednesday, February 3, 2027 from 10am-12pm**
  - Virtual attendance only via Teams
  - Guest speaker **Dan Coe**, Graphics Editor at Washington Geological Survey and Map Creator at Meander & Flow Design, will discuss his work using lidar data as a visual communication piece (https://dancoecarto.com/work).



- **Spring Quarterly Meeting**
  - **Thursday, April 8, 2027 from 1:30-3:30pm**
  - In-person attendance option at USGS PA Water Science Center New Cumberland Office and virtual attendance option via Teams
  - Guest speaker **Kent Anness**, Kentucky GIO, will discuss KY's Elevation Data & Aerial Photography Program (https://kyfromabove.ky.gov/). KY was the first state in the nation to capture statewide oblique (side-angle view) imagery.



Contact Eliza for a meeting invitation: egross@usgs.gov

3D ELEVATION PROGRAM (3DEP)

Quality Level 1 (QL1) Topographic lidar

2024 - PA_17County_D24

- Project complete with data available for download on USGS data repositories and PASDA

2025 - PA_9County_D25

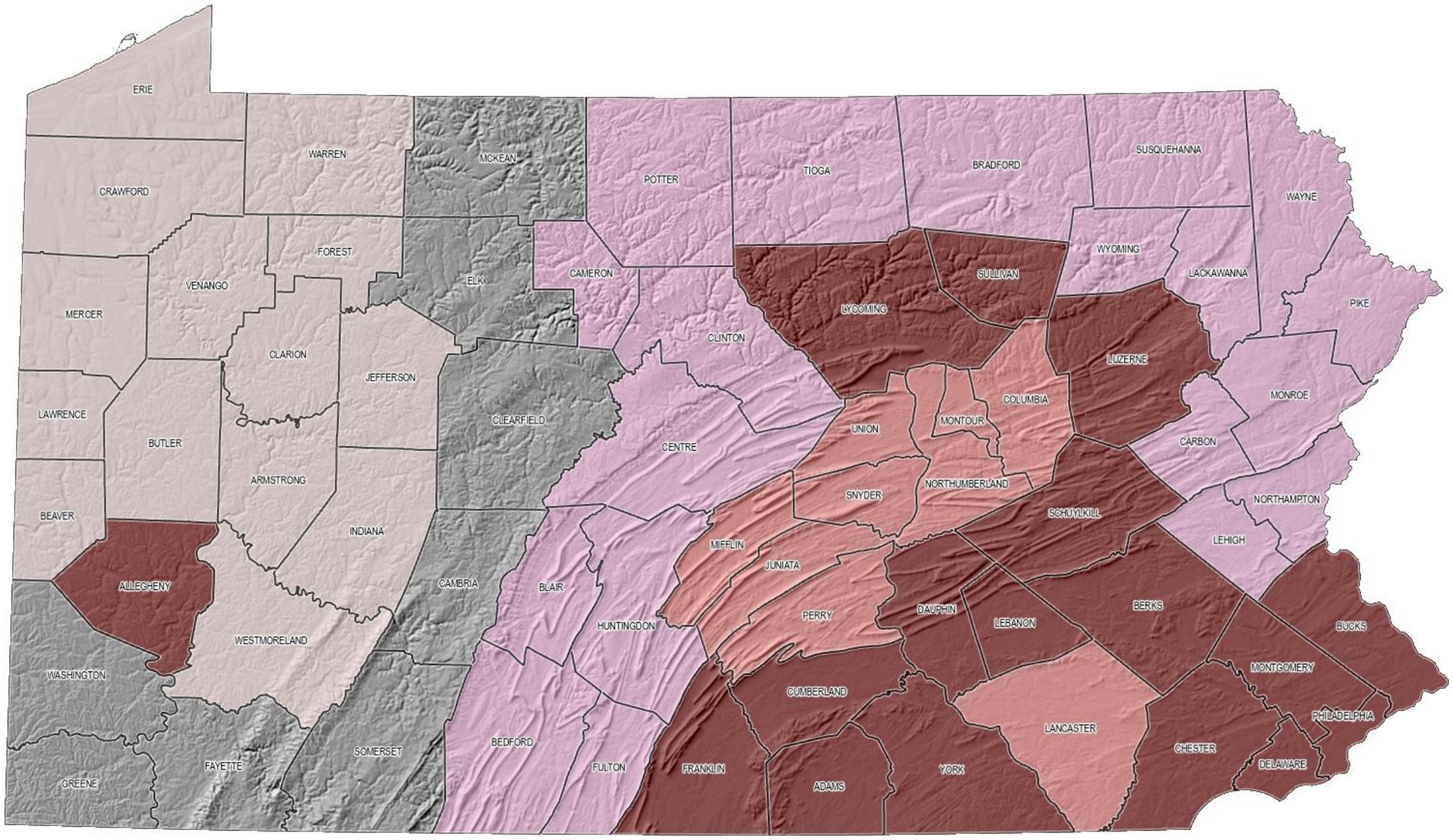
- Data processing in progress
- Final data estimated to be available Q3 2027

2026 - PA_19County_D26

- Data calibration in progress
- Final data estimated to be available Q4 2027

2026 - PA_Western_D26

- Data acquisition to begin Q4 2027 during leaf-off conditions
- Final data estimated to be available Q4 2028



Contact Eliza with any questions: egross@usgs.gov

3D ELEVATION PROGRAM (3DEP)

Inland rivers

2024 - PA_AlleghenyTB_F24

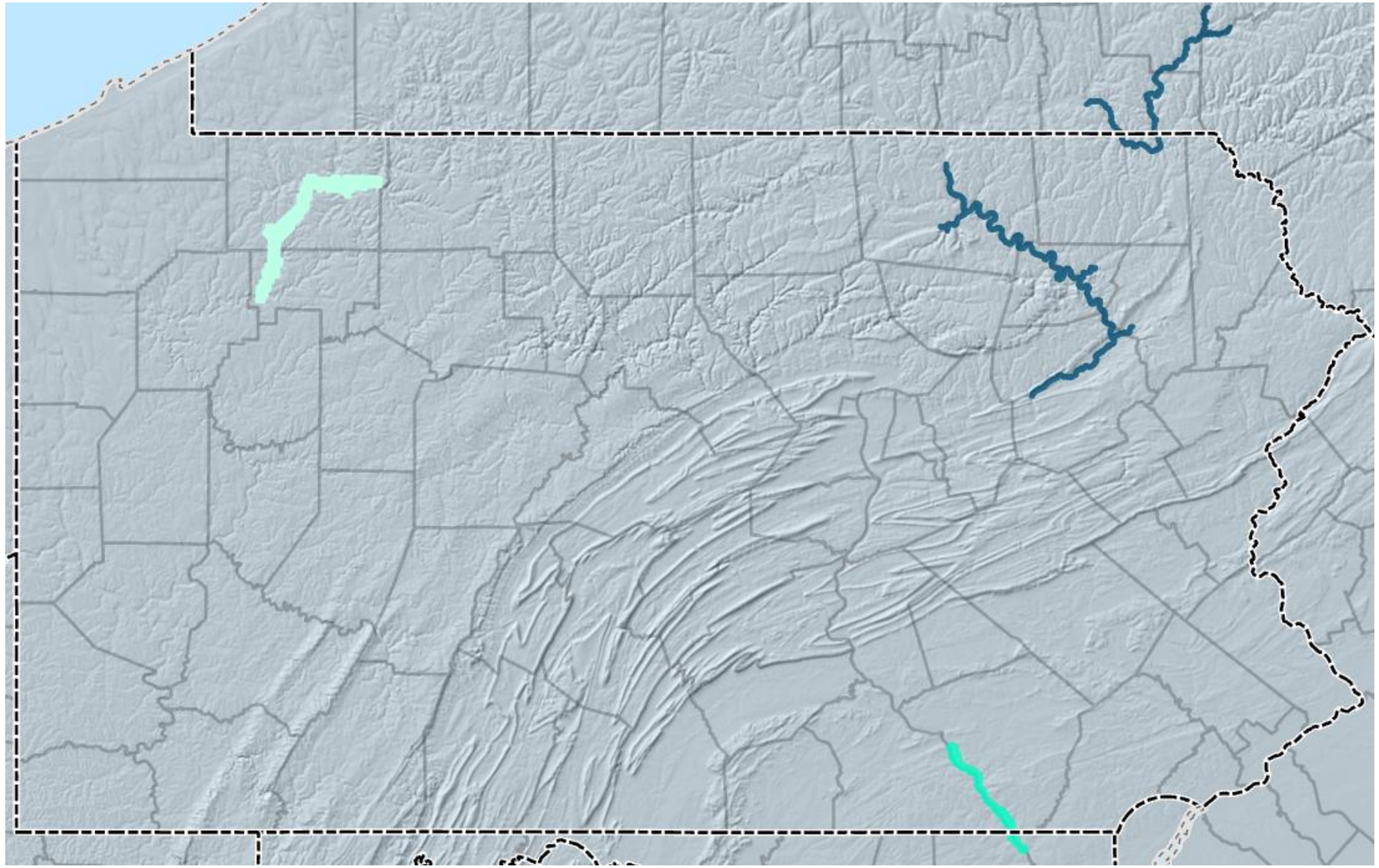
- Allegheny River topobathymetric lidar
- In first round of corrections
- Final data estimated to be available Q2 2027

2026 - PA _LowerSusqMainstemBathySNR_D26

- Lower Susquehanna River Mainstem multibeam sonar bathymetry for three reservoirs (Lake Clarke, Lake Aldred, Conowingo Reservoir)
- Data acquisition complete; in review
- Final data estimated to be available Q3 2027

2026 - PA_NorthBranchSusquehannaTB_D26

- North Branch Susquehanna River topobathymetric lidar
- Data acquisition complete; in review
- Final data estimated to be available Q4 2027



Contact Eliza with any questions: egross@usgs.gov



DATA TASK FORCE

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3D HYDROGRAPHY WORKING GROUP

Report – Ellen Fehrs & Pennsylvania Bureau of Geological Survey

Key Information

- Pennsylvania Geological Survey 2026 DCA (12/4)
- 3DPA Hydrography Workshops: speaker agenda finalized

Calls to Action

- Attend 3D-HWG for more info on 3D hydrography acquisition for PA (through DCA)
- Register for 3DPA Hydrography Workshops



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CALLS FOR NEW BUSINESS



ANNOUNCEMENTS & KUDOS



ANNOUNCEMENTS

2026 Western PA GIS Day
- Fri. Nov. 13 @ Carnegie Mellon University

2026 Central PA GIS Day
- Wed. Nov. 18 @ Harrisburg University

2026 CCAP Fall Conference
- Nov. 22-23 @ Hershey, PA

3DPA Hydrography Workshop – Ohio River Basin
- Wed. Dec. 2 @ Southwestern Pennsylvania Commission, Pittsburgh

3DPA Hydrography Workshop – Susquehanna River Basin
- Tue. Dec. 8 @ Bureau of Geological Survey, Middletown

3DPA Hydrography Workshop – Delaware River Basin
- Tue. Dec. 15 @ Delaware Valley Regional Planning Commission, Phila.

2027 Surveyors Conference
- Jan. 10-13 @ Hershey, PA

KUDOS: MISSOURI GIS ADVISORY COUNCIL





KUDOS: ELLEN FEHRS & ELIZA GROSS

AK

WA IA WI MI NY

CA KS IN OH NJ + **PA**

MO LA TN DE

TX



2026 MEETING SCHEDULE

Joint Task Force Meetings @ 10:00 AM	Board Meetings @ 1:30 PM
~~Thu. January 15~~	~~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



2027 MEETING SCHEDULE

Joint Task Force Meetings @ 10:00 AM	Board Meetings @ 1:30 PM
Thu. January 21	Thu. February 18
Thu. April 22	Thu. May 20
Thu. July 22	Thu. August 19
Thu. October 21	Thu. November 18
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