



COMMONWEALTH OF  
PENNSYLVANIA

# STATE GEOSPATIAL COORDINATING BOARD

BOARD MEETING  
NOVEMBER 16, 2023

[STATE GEOSPATIAL COORDINATING BOARD WEBSITE](#)

# MEETING AGENDA

- 
- Welcome and Opening Remarks
  - Leadership Team Updates
    - Data Task Force
    - Service Delivery Task Force
    - Governance Task Force
    - Executive Director
  - Revised GeoBoard Procedures - Vote
  - Special Report – State Plane Coordinate System - Vote
  - BaseMap 2030 Roadmap
  - New Business
  - Adjourn



# WELCOME AND INTRODUCTIONS

- Welcome and Opening Remarks - Mike DeMatt, Eric Jespersen
- Member Roll Call – Mike DeMatt



# **GEOBOARD LEADERSHIP TEAM UPDATES**

Task Force Leaders

# DATA TASK FORCE

## DISCUSSION ITEMS

### ➤ **PA BaseMap 2030 Workshop – October 12, 2023**

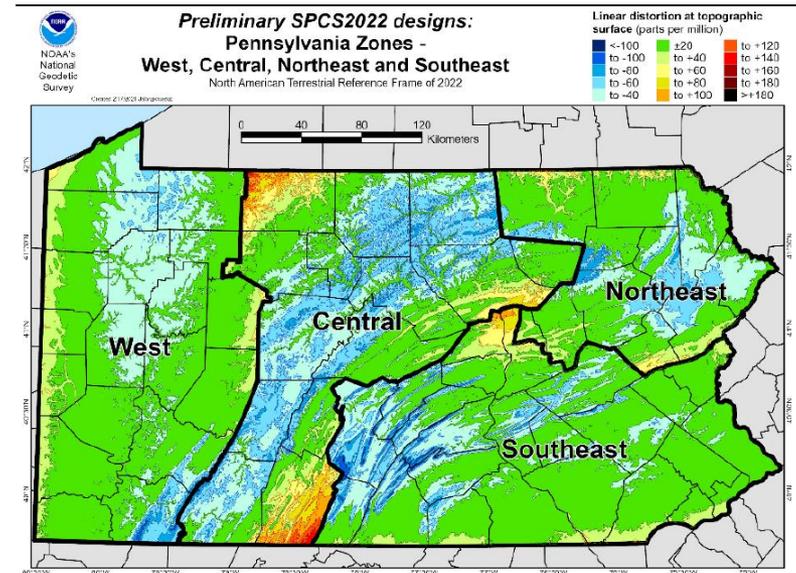
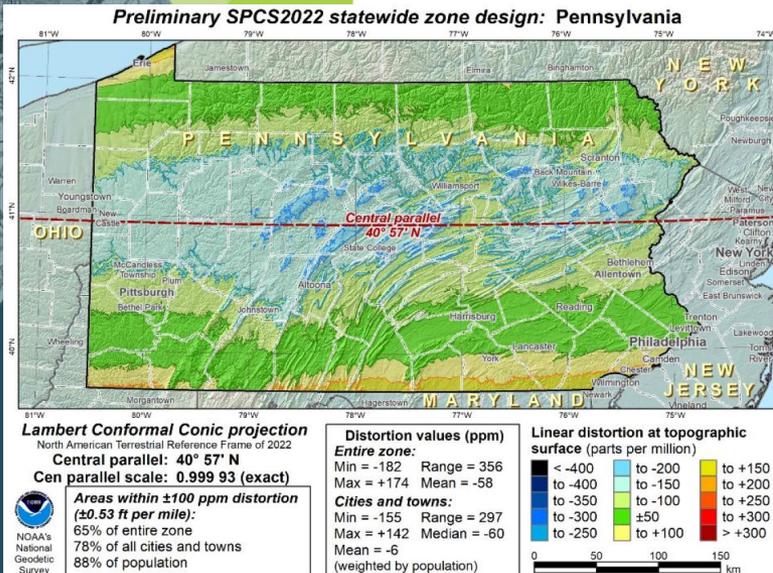
- Desired Outcomes:
  - Individual working groups compare roadmaps
  - Fortify the Data Task Force as a whole
  - Gather information for unified/integrated PA BaseMap 2030 Roadmap
- Working Group Presentations and Discussions
  - Geodetic WG
  - Elevation WG Leadership Team
  - Hydrography Team
  - Civic Boundary WG
  - County Pros Land Records Committee
  - SSAP Secondary Use team

# DATA TASK FORCE

## Geodetic Working Group

### ➤ Goals

- NATRF22 – Legislative necessity
- Adoption of NATRF22
- Collaboration on metadata



# DATA TASK FORCE

## Elevation Working Group

### ➤ **Vision**

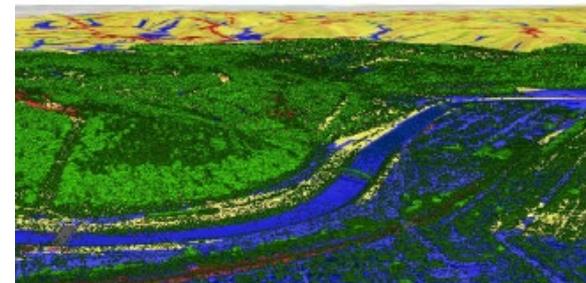
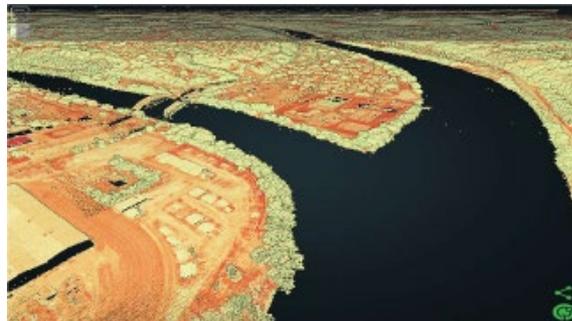
- predictable, consistent, and regularly updated
- central entity to manage the enterprise responsibilities
- “data ecosystem” for data sharing

### ➤ **Goals**

- Imagery and topography program with predictable update cycles and data access

### ➤ **Core Element, The Foundation**

- By 2030 the Remotely Sensed Data program is the foundation for PA Basemap and 3DPA. It is firmly established and available as the core to all other geospatial creation and development.



# DATA TASK FORCE

## Hydrography Working Group

### ➤ **Goals:**

- Statewide coverage
- Elevation-derived hydrography
- Data interoperability

### ➤ **Opportunities:**

- Avoid duplication of efforts
- Elevation integration
- Elevation-derived hydrography from the USGS
- Regional Hydrography
- Accelerated production



# DATA TASK FORCE

## Civic Boundary Working Group

### ➤ Vision

- All levels of government utilize common alignments for civic boundaries within PA by June 2028

### ➤ Goals

- 100% Relative Common Alignments with Census
- Successful Execution of 2024 Boundary and Annexation Survey (BAS) State Certification Program
- Original Records Protected / Existing Known Monuments Utilized
- Integrated with other data layers

# DATA TASK FORCE

## State Parcel Layer Working Group

### ➤ Actions

- Identify Needs at all levels
- Statewide inventory of agencies and source of data used
- On-going education / stakeholder knowledge
- State level aggregator vs. Data Administration
- Document considerations

### ➤ Goals

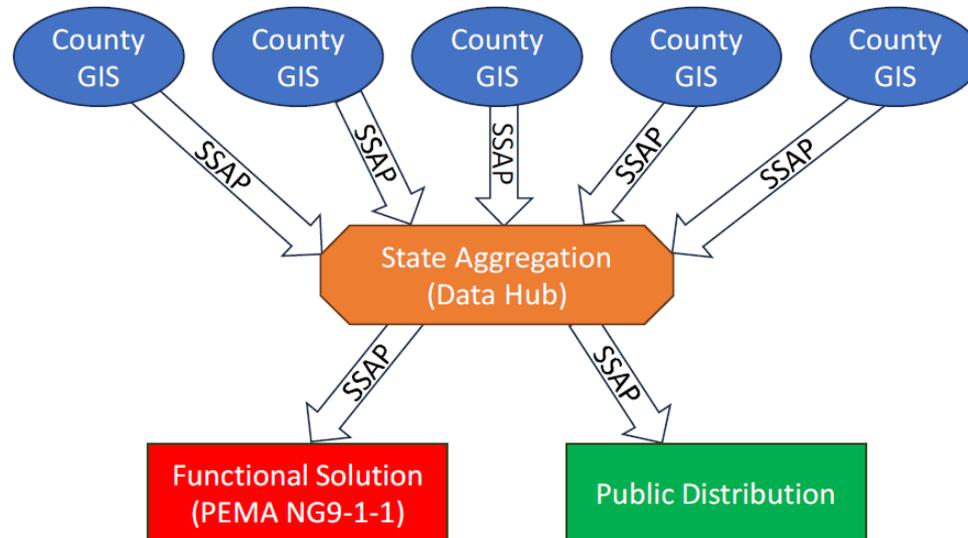
- Bring connected group together
- Communications & Education Plan(s)
- State-level champion
- Statewide Parcel Layer for use within government

# DATA TASK FORCE

## Site/Structure Address Points

### ➤ Ecosystem of SSAP

- County SSAP Layers
- NG9-1-1 SSAP Layer
- Public SSAP Layer



# SERVICE DELIVERY TASK FORCE

- 
- ▶ Metadata Session #2: January, 2024
  - ▶ Counties sending regular data updates for the PA Basemap are Lycoming, Lancaster, Franklin, Adams, Allegheny, Erie, Bradford, Bedford, Venango, Chester, Montgomery, Bucks, Centre, etc.
  - ▶ GeoBoard County representatives will meet in Q1 of 2024 to focus on the simplification of data exchange and sharing between counties and state agencies
  - ▶ “Focus Point” – The creation of 1-page, simple, informational documents on various topics for the GeoBoard. Subjects could be on critical minerals, stocking trout, building trails, etc. Communication!
  - ▶ PASDA Updates:
    - ▶ 3D PA Report is finalized
    - ▶ Received Forest, Warren and Greene county PEMA imagery
    - ▶ Met with DVRPC about sharing additional data
    - ▶ Cambria County Imagery from 2003 to date as well as planimetrics
    - ▶ SRBC and WeConservePA updates
    - ▶ Statewide contour service available
    - ▶ Statewide LAS service in testing

# SERVICE DELIVERY TASK FORCE

## Discussion Items:

- ▶ PASDA Stats (for 1 year):

*PASDA Total Site Hits: **561,410,656***

Total Site Users: 6,429, 635

PASDA Downloads: 2,271,083

Map Service Requests: 202,873,353

PA Imagery Navigator: 12,422,724

Penn Pilot/Historic Imagery: 15,454,944

PA LiDAR Navigator: 1,972,497

PA Mine Map Atlas: 5,073,122

PA Flood Risk Assessment Tool: 2,215,522

All Imagery Related Services: 73,729,183

# SERVICE DELIVERY TASK FORCE

## Discussion Items:

### ► PASDA Stats Continued:

#### *Most accessed state data services:*

1. PennDOT: 49,011,450
2. PA Fish and Boat Commission: 13,852,883
3. PA DEP: 9,931,496
4. PA Game Commission: 4,559,536

#### *Most accessed county data:*

Allegheny County: 2,174,721

#### *Most accessed NGO:*

WeConservePA: 7,653,624

# GOVERNANCE TASK FORCE

## ➤ **GeoBoard Reauthorization update**

- Currently in the hands of OA Executive Policy Manager and Legislative Liaison
- Inquiring about interest by other agencies not currently involved

## ➤ **Strategic Plan Update**

- Review committee will be established by EOY
- Review will commence Jan, end in Feb
- Planned to be ready by Q1 GeoBoard meeting
- Focus on Implementation Tasks

# GOVERNANCE TASK FORCE

## ➤ **Procedures Update**

- Revised “*Official Procedures*” document provided in Board packet.
- Vote to accept changes will occur later in this meeting

## ➤ **Geodetic Working Group - State Plane Coordinate System Recommendation Update**

- Revised document now as Special Report provided in Board packet.
- Vote to accept report will occur later in this meeting

# EXECUTIVE DIRECTOR

## ➤ Importance of Strategic Plan

- Implementation Tasks
- Forward Vision

## ➤ Member Engagement

- One-on-ones
- As working group members
- Sponsor Briefings
  - PEMA, DCNR, Agriculture, DEP, DOT, OA

## ➤ Communications Plan

- Positive support
- Steady progress

SUSTAINABILITY  
COLLABORATION  
SETWARDSHIP



# Geospatial Strategic Plan

## Commonwealth of Pennsylvania

**PA State  
Geospatial  
Coordinating  
Board**

**2021**

# STRATEGIC PLAN IMPLEMENTATION APPROACH

Task / Item	<u>Leadership Team</u> – Document current data sharing practices and expectations among state agencies and signatories of the Statewide Data Sharing Agreement and propose changes that would promote increased collaboration and agility in sharing among governments.
Estimated Start Date	Revision of task dated 11/30/2021 (was Governance Task Force)
Estimated Completion Date	11/30/2023
Metrics/Measurables	Succinct report on current practices and on possible policy directions to increase sharing.  Bureau of Geospatial Services establish and promote Standard Operating Procedures for Data Transfer
Other Entities Involved	OGC, EDO, County GIS Pros, CCAP, PASDA
Strategic Plan Relation(s)	Theme: Collaboration  Objective: Continue to promote data sharing and increase the number of entities that participate in the GeoBoard Data Sharing Agreement



# REVISED GEOBOARD PROCEDURES

GeoBoard Leadership Team

# REVISED GEOBOARD PROCEDURES

## Timeline

- First proposed in June meeting
- Initial revisions in July – Governance TF
- Reviewed at August Meeting – GeoBoard
- Final Revisions October – Leadership Team

# REVISED GEOBOARD PROCEDURES

## Areas of Change

- Executive Director Duties
- Opportunity Briefs
- Recommendations
- New Business Topics
- Strategic Plan Implementation Tasks

# REVISED GEOBOARD PROCEDURES



## QUESTIONS/DISCUSSION

# REVISED GEOBOARD PROCEDURES



## ROLL CALL VOTE



# **SPECIAL REPORT ON STATE PLANE COORDINATE SYSTEM**

Geodetic Working Group

# NEW DATUM AND SPCS

## Timeline

- 2019** – Subcommittee established in Governance Task Force
  - NGS guidance
  - PSLS, DOT primary drivers
- 2020** – PA preferences relayed to NGS
  - Datum shift delayed to 2025
- 2022** – Geodetic Working Group reactivated to drive SPCS legislation and educational plan
  - PSLS, DOT, SSHE, NGS, others
- 2023** – Policy Recommendation (August)
- 2023** – Special Report (November)

# NEW DATUM AND SPCS

## Rationale

The Pennsylvania Coordinate System Law (1992, P.L. 1224, No. 161, Cl. 76.) defines “a system of coordinates for designating the positions of points on the surface of the earth within the Commonwealth of Pennsylvania.”

The Law needs to be updated.

# NEW DATUM AND SPCS

## Rationale

If left unchanged, the Law from 1992 will, in effect, compel mapping professionals working on Pennsylvania projects to continue developing and maintaining maps and geographic datasets that are tied to outdated geodetic concepts, outdated positioning technologies, and a legacy unit of measure.

# NEW DATUM AND SPCS

## **Summary**

The purpose of the Pennsylvania GeoBoard is to: “Provide advice and recommendations ... on geospatial issues and provide uniform data standards, coordination and efficiency in geospatial policy and technology issues ...

Accordingly, the GeoBoard, through its Geodetic Working Group, provides an analysis that informs the community on the need for the change in the Pennsylvania Coordinate System Law.

The Special Report is offered as a resource to members and the community in pursuit of the necessary legislation.

# NEW DATUM AND SPCS

## QUESTIONS/DISCUSSION



# NEW DATUM AND SPCS



## ROLL CALL VOTE

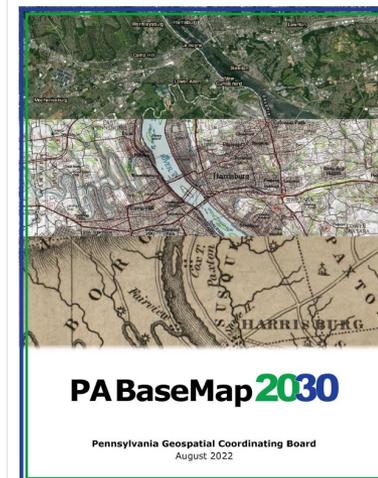


# BASEMAP ROADMAP

October 12  
Joint Task Force Meeting

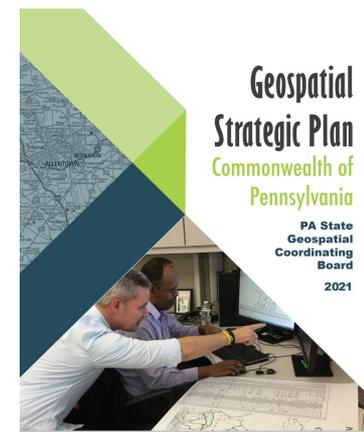
**The goal of PA BaseMap 2030** is to change the way we make and share maps (and the data that connects to them) by identifying logical workflow changes and pathways for collaboration. PA BaseMap 2030 will help guide interagency and intergovernmental efforts on data development, ownership, funding, and sharing.

**The result** will be a clean, well-maintained foundation of authoritative data that our citizens can depend on being current and reliable, and for which ongoing process improvement is fundamental.



## 2023 Implementation Tasks

1. Each Working Group will create and publish a road map for data layer planning that informs data development and maintenance decisions by agencies and organizations in that working group and reflects the functional requirements and the integration of each dataset as a component in PA BaseMap 2030
2. Convene a series of meetings where representatives of all data working groups present their case study to enhance its connection to other data layers.





## What the Review Panel Observed

Need a standard template

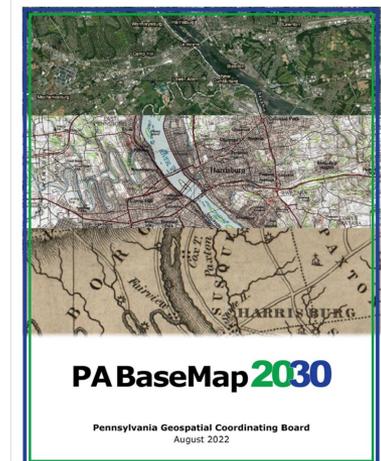
Goals must be tied to a clear problem statement

Recognize shared goals – consistency, currency, efficiency

Engage the community, enlarge the community to secure champions

Messaging at multiple levels

Data use increases value



## What We Will Do

### **2024/2025 Implementation Tasks**

- Treat the BaseMap as a whole
  - Individual Working Groups remain critical
  - Data sharing simplified
- Tie goals to the problem statements
  - Inefficiency
  - Public safety
  - Equity

### **Messaging/Communications**

- Expand the messaging to other audiences
- Build the document repository

## Roadmap Elements

**2023/2024** – SSAP data development case study proves public benefit and value of uniform data to technical and policy leadership

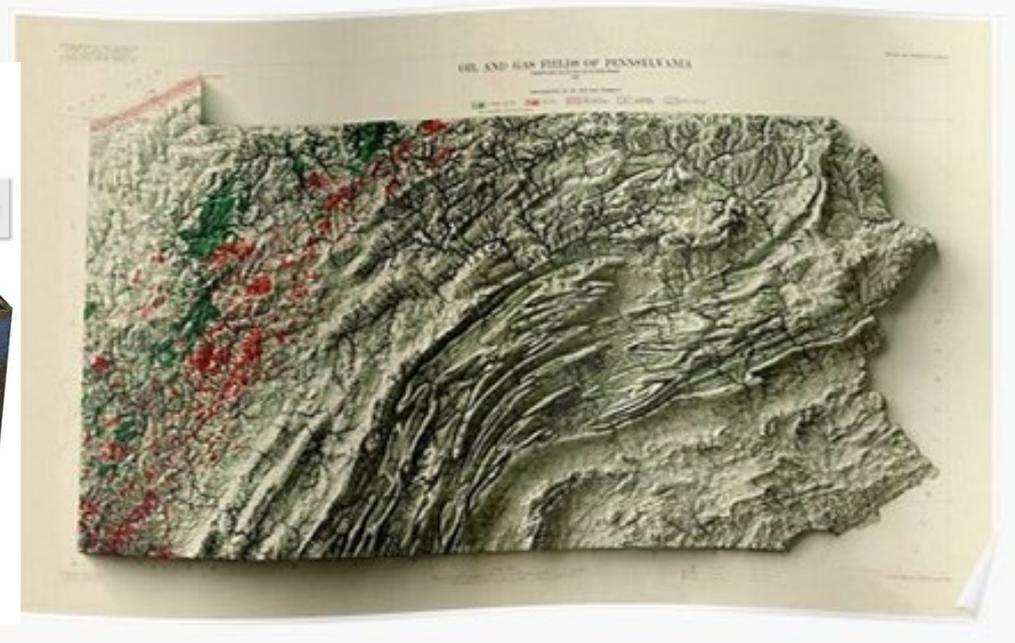
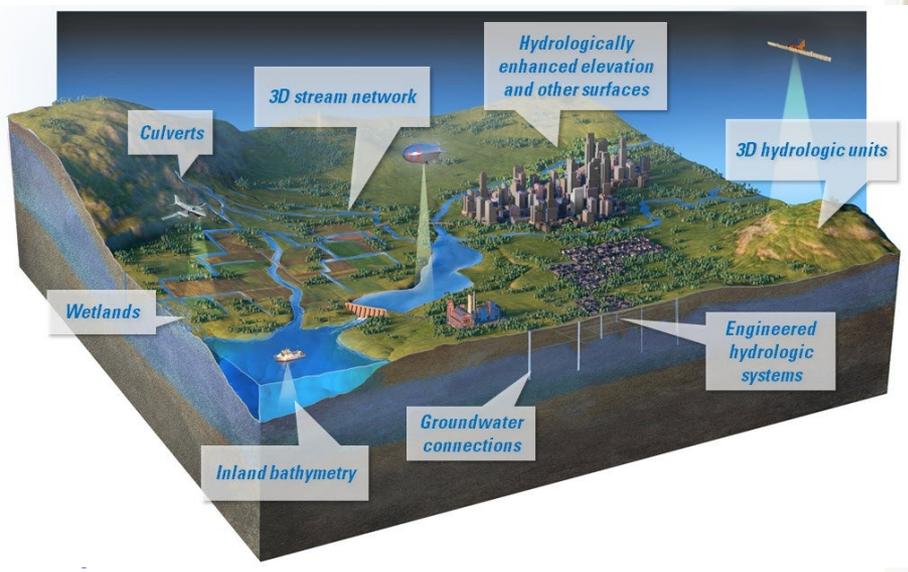
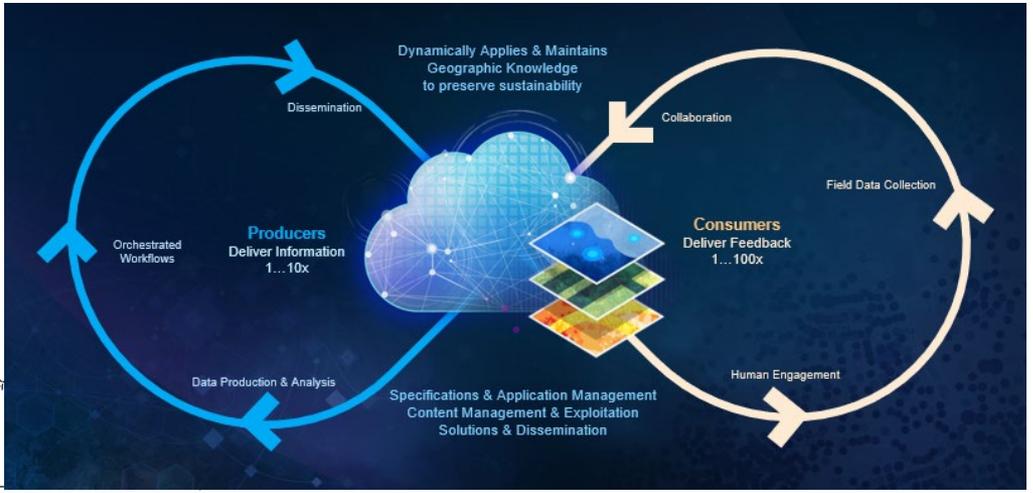
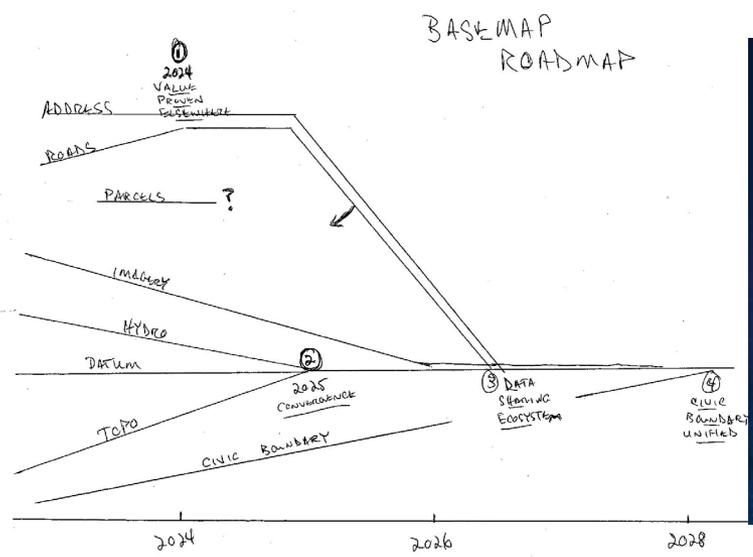
**2024/2025** - Datum Adoption and Hydrography milestones combine with Imagery Program in proving benefit and value to industry and academia

**2025/2026** – Data Sharing Ecosystem defined and in development

**2026/2027** – Legislation mandates assessment updates

**2027/2028** – Cadastral fabric unifying civic and private boundaries operational

# Base Map



# NEW BUSINESS

- 
- **Submitted Business Topic – Drone Use in PA**
    - Submitted by James Whitacre (PA Game Commission)
    - Leadership Team has reviewed it, plans to refer to Governance TF
  - **Topics for March 14 meeting**
    - 2023 Annual Report
    - Revised Strategic Plan
    - County Data Sharing Vision
    - GeoBoard Reauthorization
    - Other?

# FUTURE MEETINGS

## Joint Task Force Meetings

- February 8, 2024
- May 9, 2024

## GeoBoard Quarterly

- March 14, 2024
- June 13, 2024

## LOCATION

Virtual Conference and 1 Technology Park-  
Commonwealth Technology Center (CTC) , Harrisburg,  
PA 17110

*Reminder: new business agenda topics are finalized  
five (5) weeks prior to Board meetings.*



# Motion to Adjourn