

PA Wetland Program Update

2025 Mid-Atlantic Wetland Workgroup
Canaan Valley Resort State Park Lodge - Davis, WV
September 23-25, 2025



Overview Of Updates

SPEED Update

Clean Water Academy Trainings

Regulatory and Non-Regulatory Agenda

Geospatial Data

Stratigraphic Investigations Standard Operating Procedure

2026 Aquatic Resource Restoration Conference

SPEED Update

- 104 QPs approved
- 27 Firms approved (ie have QPs)
- 16 Contracts approved by OAG
 - 9 Firms are still working through the contract process
- **0 Intake Forms received** (i.e., officially showing interest)
- Additionally, working to ensure all QPs have access to 105 SPEED QP training on CWA.



[PA - eMarketplace](#)

Regulatory and Non-Regulatory Agenda

[Regulatory and Non-Regulatory Agendas \(pa.gov\)](https://www.pa.gov)

Chapter 105 Regulatory Revisions (Take 2)

Publication for Comment 2025 Quarter 4

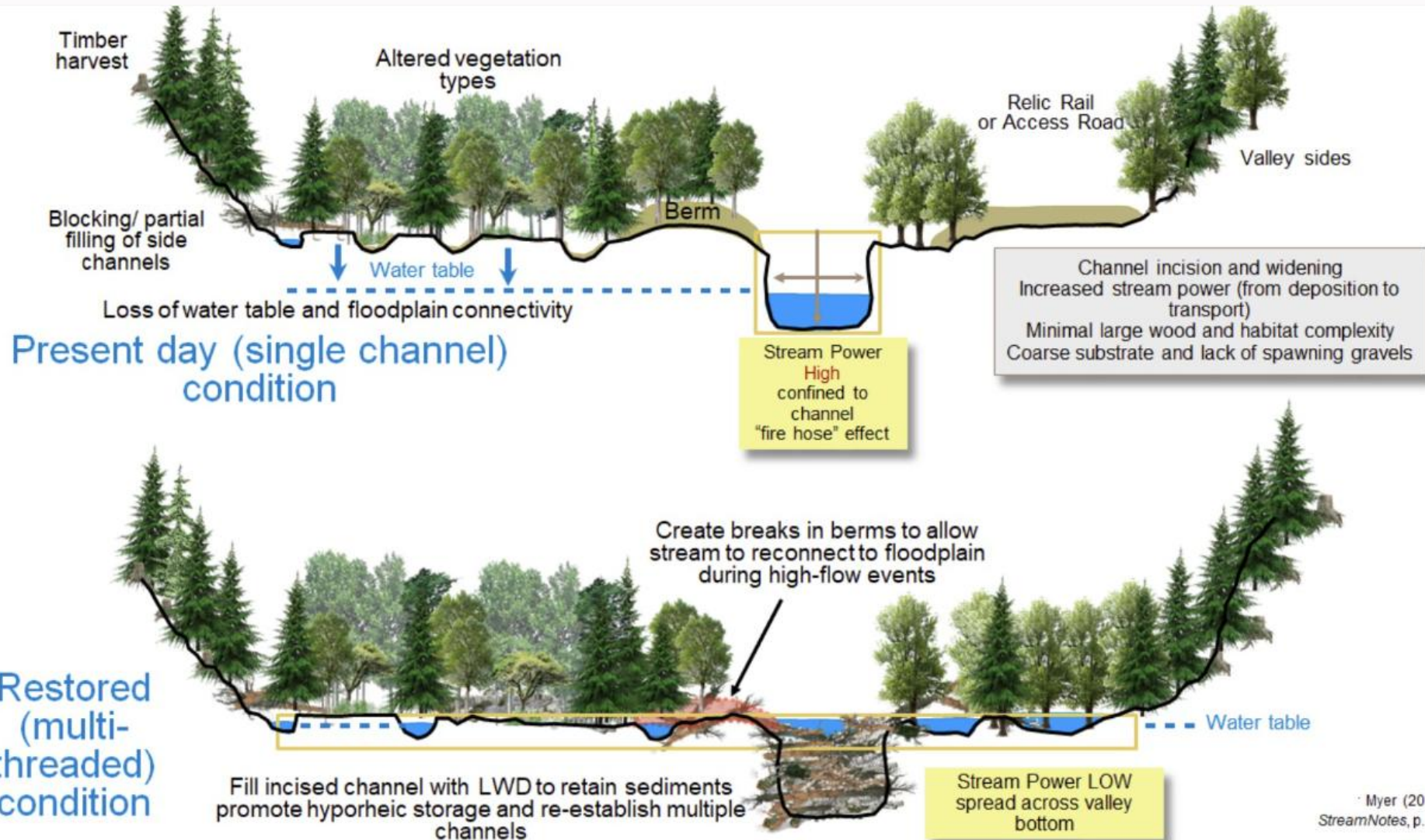
Pennsylvania Function-Based Aquatic Resources Compensation
Protocol 310-2137-001 (former title)



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Modified after Figure 2 from an article by Kate Myer entitled "Deer Creek: Stage 0 Alluvial Valley Restoration in the Western Cascades of Oregon" in the May 2018 edition of StreamNotes, a newsletter published by the National Stream and Ecology Center, U.S. Forest Service, USDA, p. 1- 5.

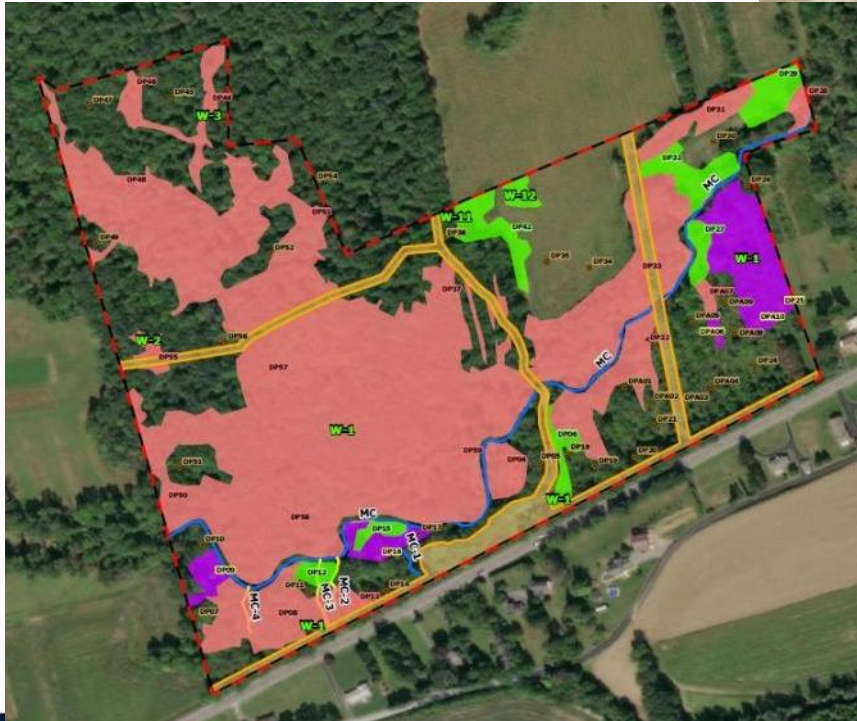


Geospatial Data

Reminder of Past Data Releases

PA Wetland Mapping and Restorable Lands data

Recommend using the
two data sets for field
reconnaissance prep.

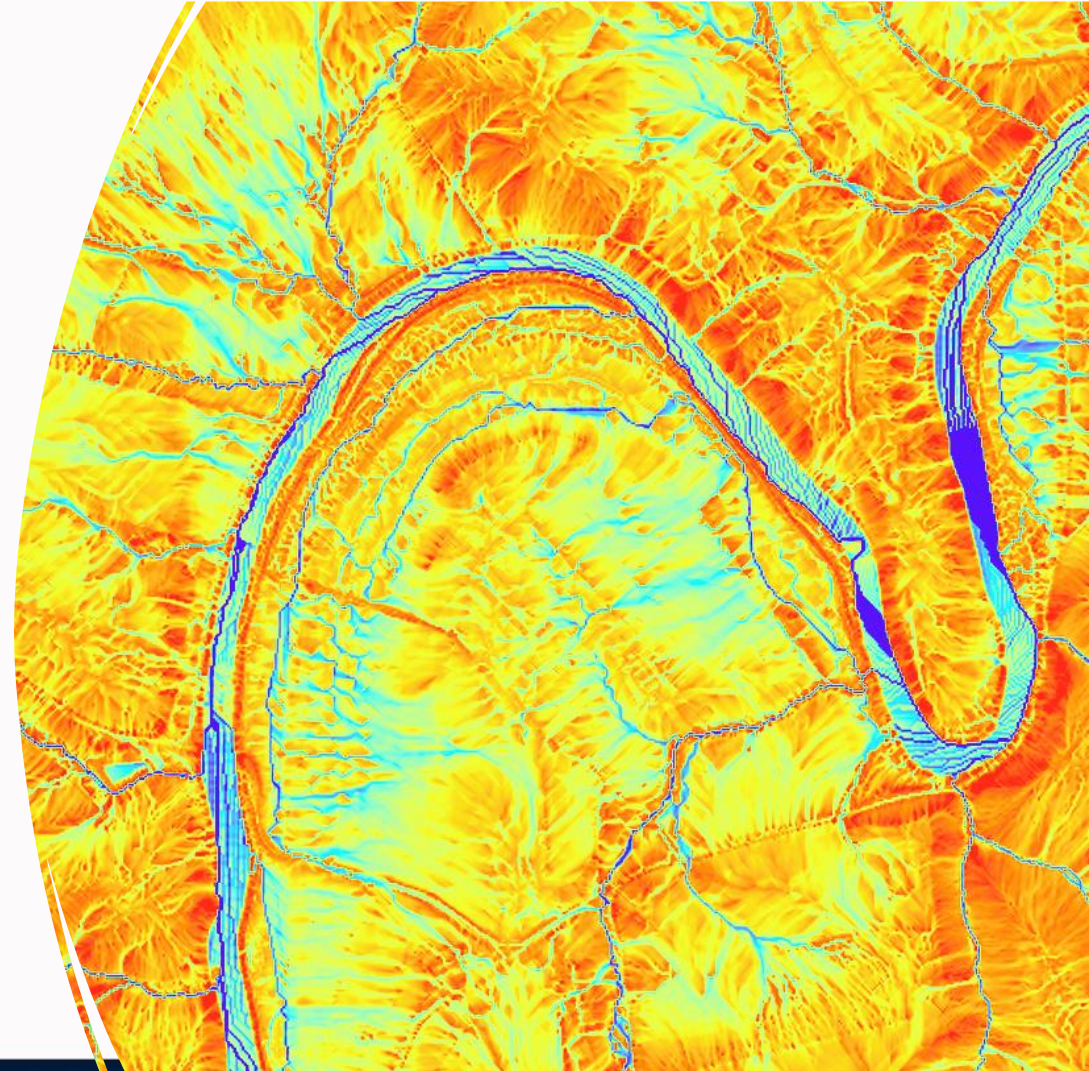


Geospatial Data

Reminder of Past Data Releases

Topographic Wetness Index

Statewide 3 m resolution extremely useful in field prep, legacy sediment identification, flow alteration mapping, stormwater management, BMP evaluation, etc.



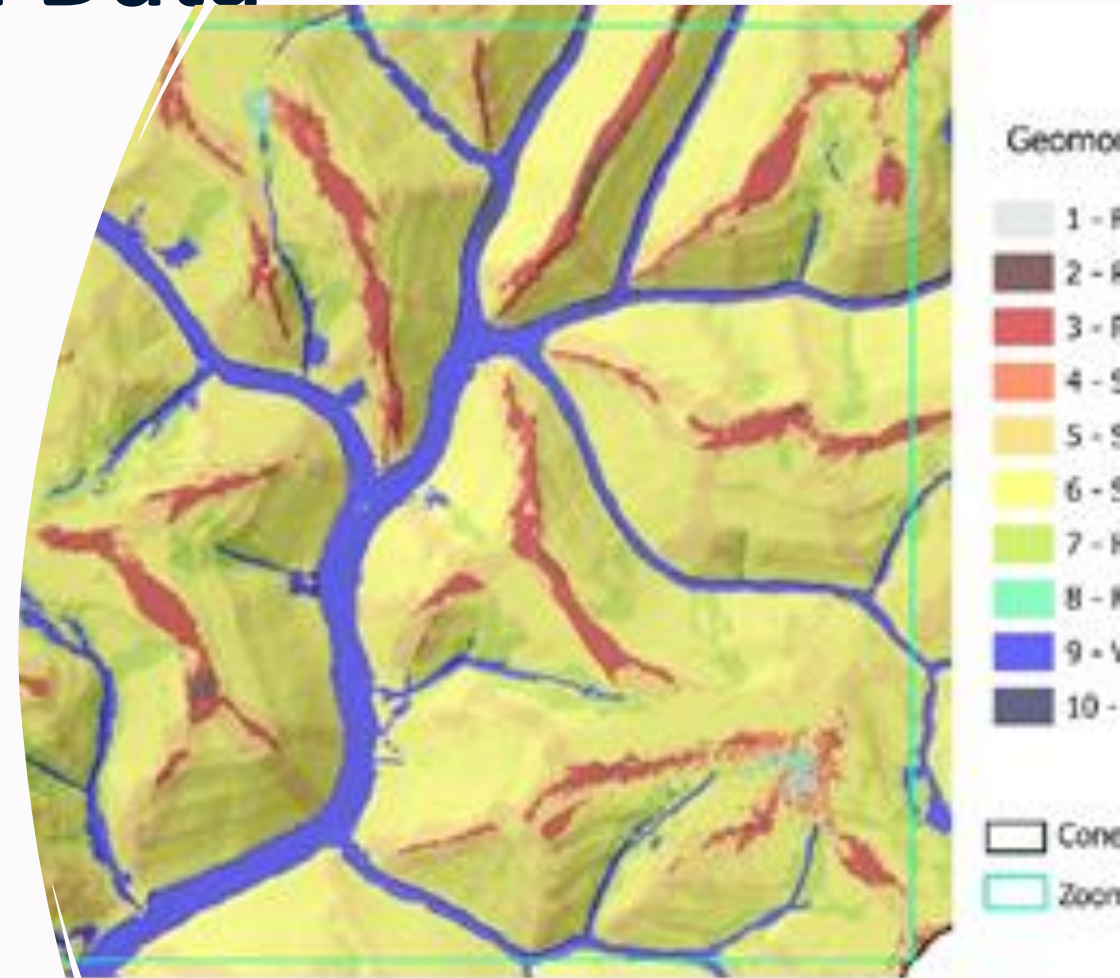
Geospatial Data

Reminder of Past Data Releases

Level 1 Geomorphon Landform Mapping

Admittedly this data is difficult to use,
must download a county-wide data file

Ten class statewide landform mapping



Level 1 Geomorphon

Geospatial Data

Level 2 Geomorphon Valley Mapping and Related Data

Working to rename and organize data better on PASDA

Data summary pages for each dataset:

- Pennsylvania 3m lidar digital elevation models 2019

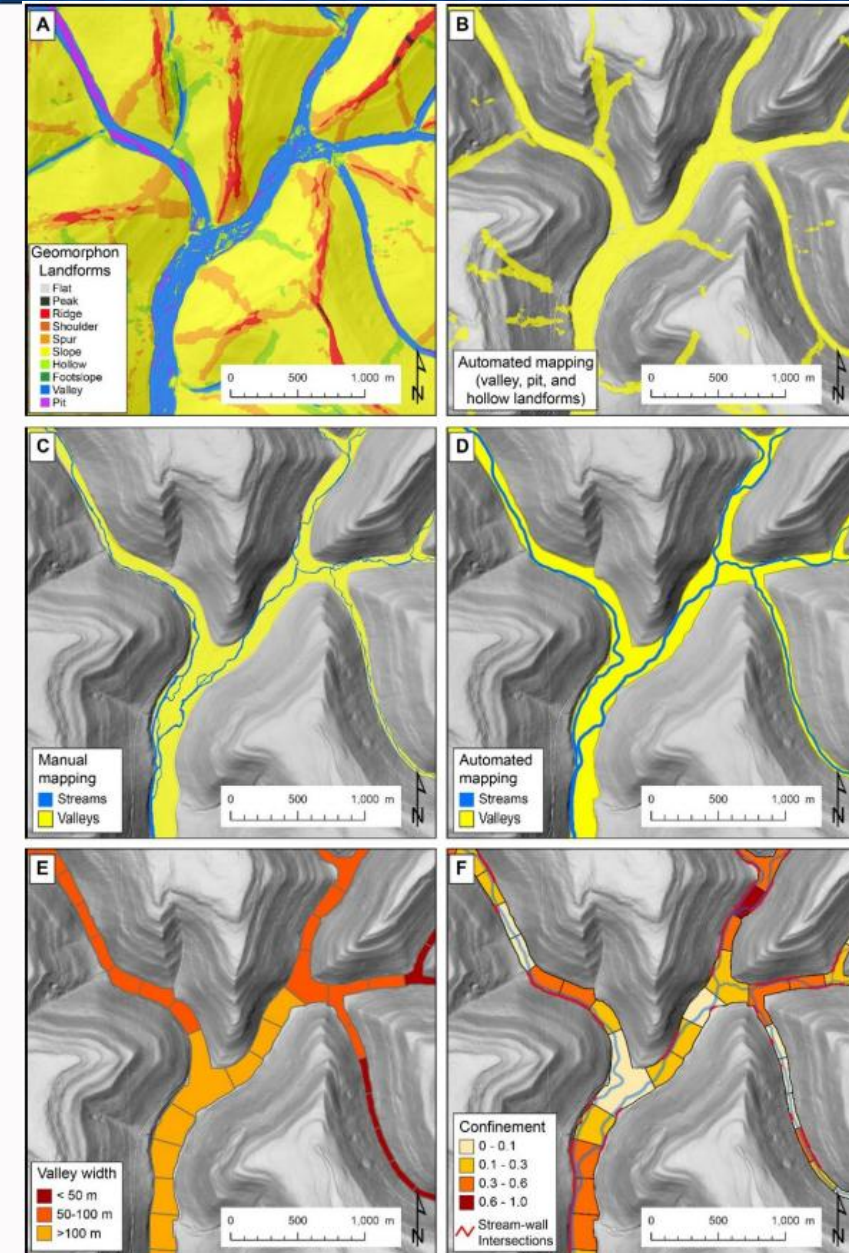
<https://www.pasda.psu.edu/uci/DataSummary.aspx?dataset=2600>

- Pennsylvania 3m lidar slope maps 2019

<https://www.pasda.psu.edu/uci/DataSummary.aspx?dataset=2601>

- Pennsylvania 3m lidar flow accumulation 2019

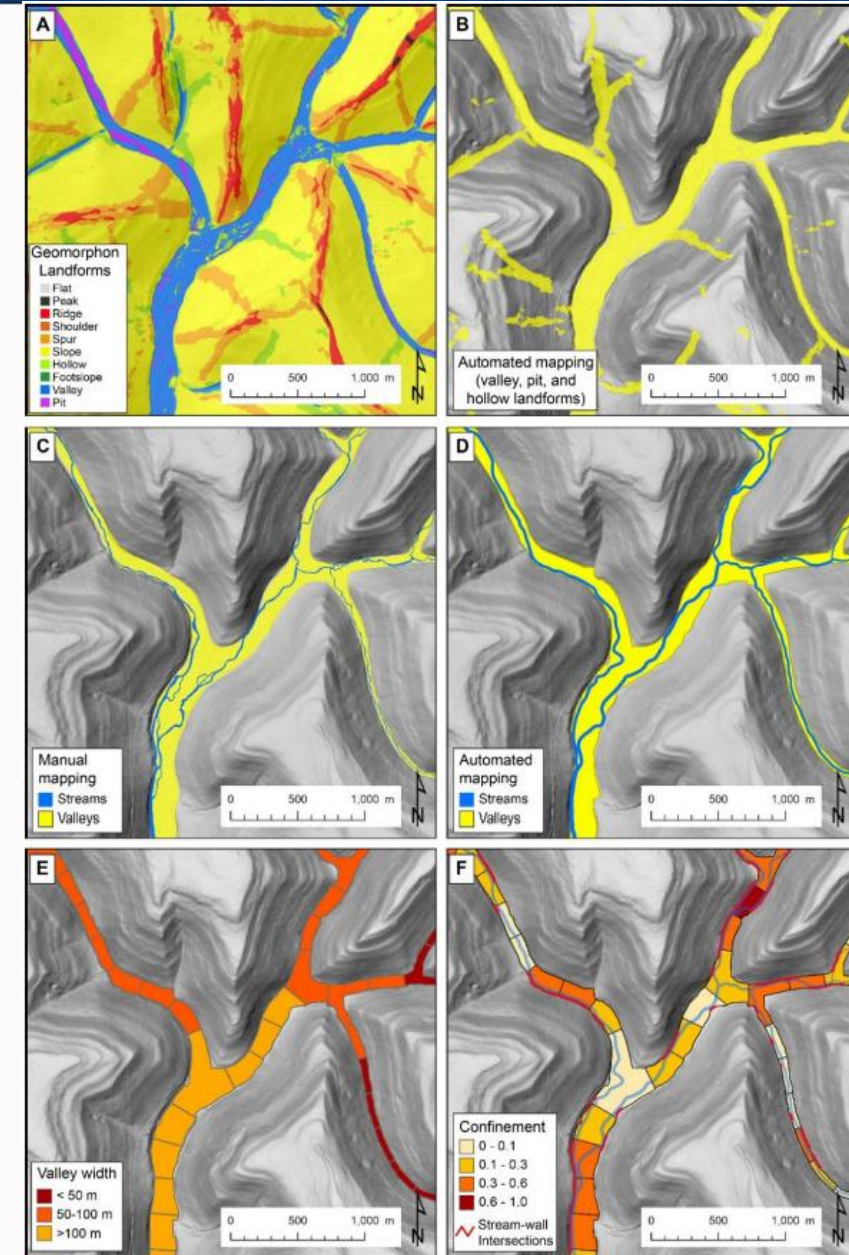
<https://www.pasda.psu.edu/uci/DataSummary.aspx?dataset=2602>



Geospatial Data

Level 2 Geomorphon Valley Mapping and Related Data

- Pennsylvania 3m lidar geomorphon landforms 2019
<https://www.pasda.psu.edu/uci/DataSummary.aspx?dataset=2603>
- Pennsylvania Stream Polygons 2019
[https://www.pasda.psu.edu/uci/DataSummary.aspx?dataset=2606](https://www.pasda.psu.edu/uci/DataSummary.aspx?dataset=2604)
- Pennsylvania Stream Valley Intersections 2019
<https://www.pasda.psu.edu/uci/DataSummary.aspx?dataset=2605>
- Pennsylvania Valley Segment Statistics 2019
<https://www.pasda.psu.edu/uci/DataSummary.aspx?dataset=2607>
- Pennsylvania Valley Bottom Polygons 2019
<https://www.pasda.psu.edu/uci/DataSummary.aspx?dataset=2606>

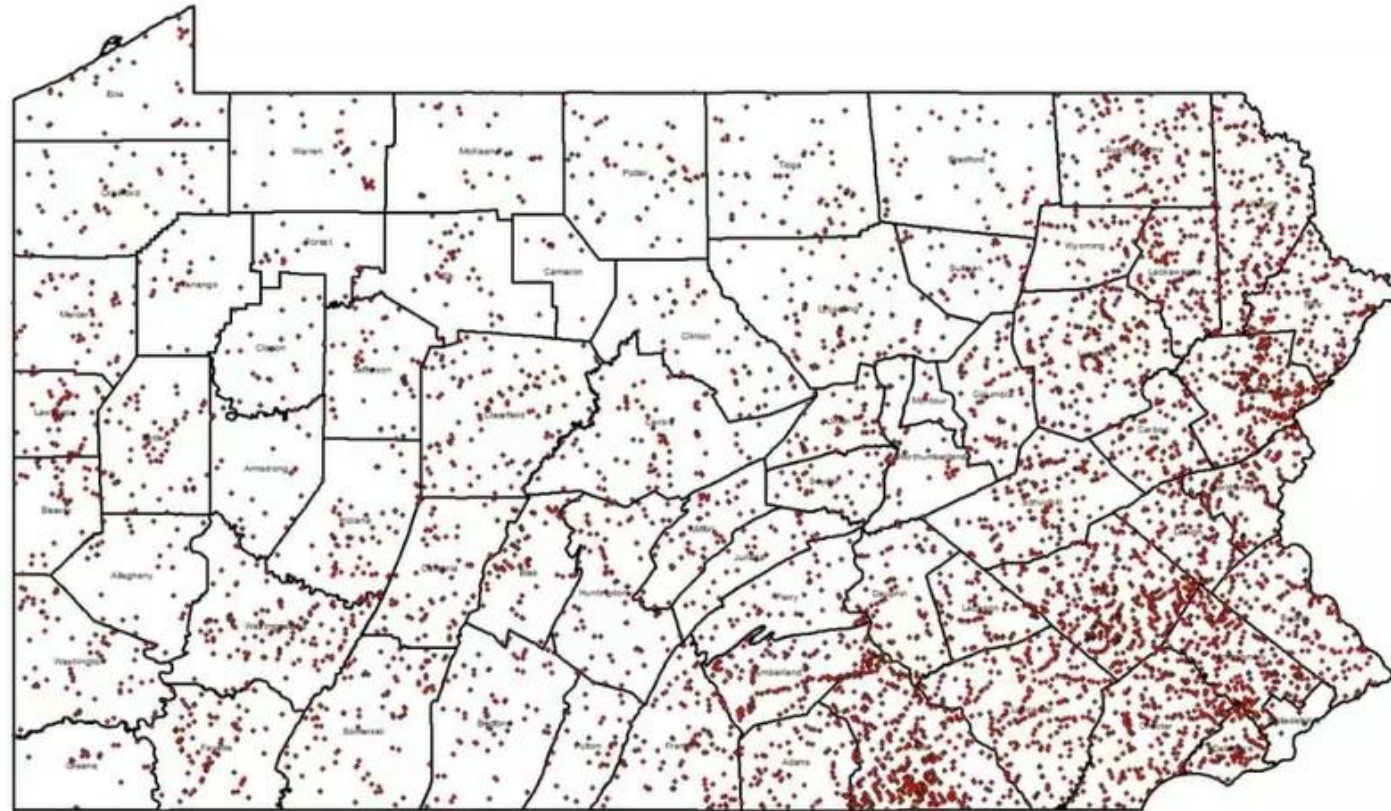


Geospatial Data

Breached Dam Data Posting on PASDA

Locations and supporting details of over 5,400 breached dam locations dating back to 1913.

Might be as many as 2x the known ones across the state.



Source: PA Dam Inventory 1913-2023

Stratigraphic Investigations SOP

Standardizing In Situ Evidence Data Collection and Presentation

A comprehensive investigation consisting of trenches and/or borings guided by background research and conceptual extent of project limits.

Delineating legacy and historic/natural strata along the full longitudinal extent of the restoration project is an obvious need.



2026 Aquatic Resource Restoration Conference

March 3 - 4, 2026

Penn Stater Hotel and Conference Center
215 Innovation Boulevard, State College, PA 16803



Pennsylvania
Department of
Environmental Protection



Conference Description and Agenda

Purpose of the Conference:

The purpose of the conference is to facilitate knowledge transfer among scientists, regulatory agencies, and resource managers to advance resource restoration work in a scientifically sound manner using an evidence-based approach that results in the restoration of resilient aquatic resources.

Goals of the Conference

The goal of the conference is to elevate participants' understanding of the use of an evidence-based systems basis. To provide a forum to facilitate the linkage of academic, government, and private sector advancement of restoration science.

2-Day Conference Cost is \$275 per person. Cost covers lunch each day.





Pennsylvania
**Department of
Environmental Protection**

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The Department of Environmental Protection's mission is to protect Pennsylvania's air, land and water resources and to provide for the health and safety of its residents and visitors, consistent with the rights and duties established under the Environmental Rights Amendment (Article 1, Section 27 of the Pennsylvania Constitution).