



Mission



To strengthen the connection between people and the watershed, conserve the landscapes and special places that sustain the Chesapeake's unique natural and cultural resources, and encourage the exploration and celebration of the Chesapeake as a national treasure.

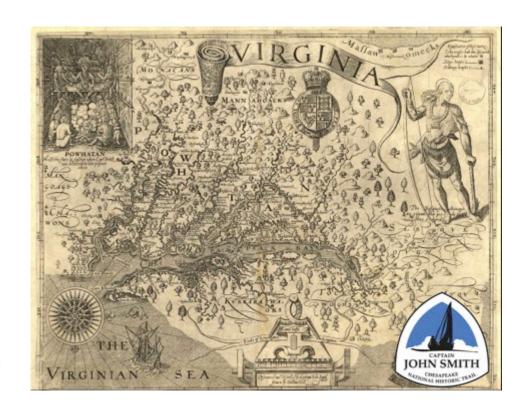




Captain John Smith Chesapeake National Historic Trail



- Signed into law in 2006
 - Nation's first Historic Water Trail
 - Akin to the Appalachian Trail
- Spans 3,800 miles and interprets:
 - Smith's exploratory voyages
 - 17th century Indian culture
 - Natural history of the region
- Chesapeake Conservancy serves as:
 - Primary partner for trail implementation with the National Park Service



Conservation Partnerships



National Park Service

 Cooperative Agreement to develop Capt. John Smith Trail and carry out large landscape conservation

U.S. Fish and Wildlife Service

 Cooperative Agreement to implement community-based conservation corridor planning and wildlife education

National Geographic Society

Cooperative Agreement to advance the Great Rivers of the Chesapeake initiative

National Oceanic & Atmospheric Administration

Task Agreement to investigate land-use impacts on water quality

Land Trust, State, and Private Partners

Working together to protect land and programs that fund land protection

Strategic Goals

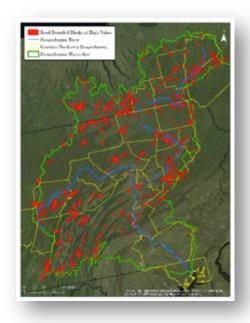


- Connect people to the Great Rivers of the Chesapeake
- Create a network of conservation corridors
- Advance conservation innovation



The *Envision* Process







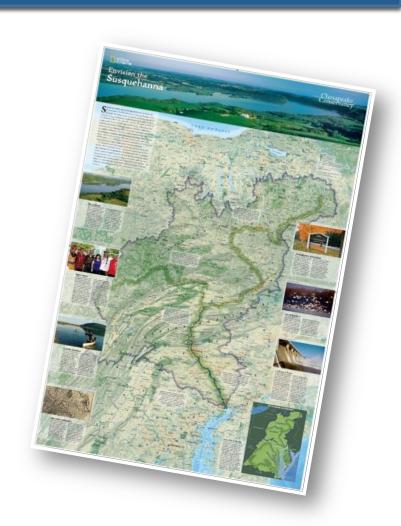


"Community supported, scientifically based conservation solutions."

Envision the Susquehanna Mission



- To restore the natural beauty and highlight the cultural heritage of the River corridor,
- To support community-based solutions to conserving the watershed and its significant places, and
- To encourage synergy of such efforts locally and regionally.



Envision the Susquehanna Core Team Partners



- Susquehanna Greenway Partnership -- Local Expertise
- Susquehanna River Heartland Coalition for Environmental Studies -- Academia
- Wildlife Management Institute -- Ecological Expertise
- PA Department of Conservation and Natural Resources -- State Knowledge
- National Park Service, Chesapeake Bay Office -- Cross-Boundary Vision
- Chesapeake Conservancy -- Large-landscape Vision













Envision the Susquehanna Phases



- Phase I: Comprehensive Data Assessment & Stakeholder Engagement
 - Conservation Innovation Center
 - Community Engagement Campaign
 - Comprehensive Plans Analysis
- Phase II: Analysis & Vision Development
- Phase III: Collaboration & Implementation

On-Going Work:

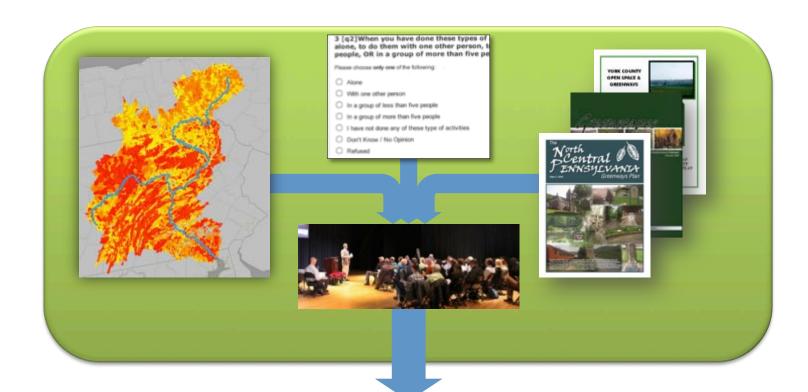
Fundraising

Outreach

Representative Projects

The Envision Process





Vision for the Susquehanna River

Envision the James



- Resident Survey: Water Quality & Wildlife Habitat Protection
- Robert E. Lee Soil and Water Conservation District
- Amherst Streamside Tree Buffer Program
- Landowners ineligible for cost-share money
- Chesapeake Conservancy's high-resolution land use data and flow path data
- Funding through *Envision the James*



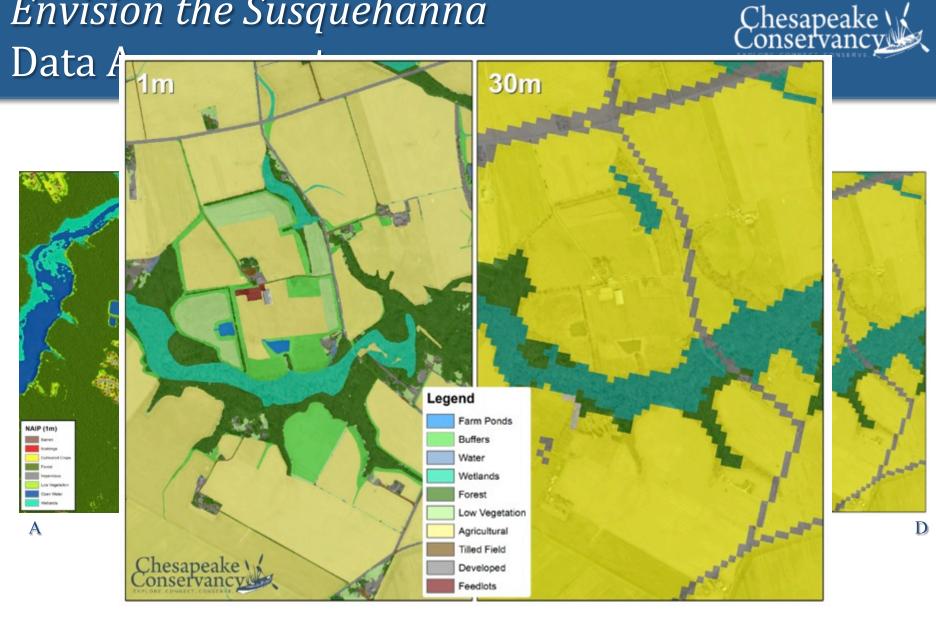
Envision the James



- Started in Fall of 2014.
- 2 acres, 525 trees, 1800 linear ft. restored. Sits between two creeks that run through the property.
- Previously used for cattle crazing, the goal is to restore grazing area to bottomlands hardwood forest.
- District will monitor the health of the buffer going forward.

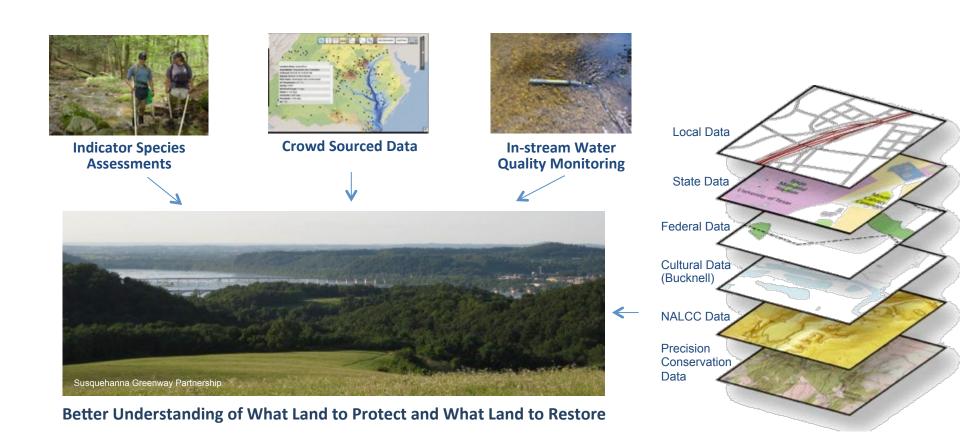


Envision the Susquehanna



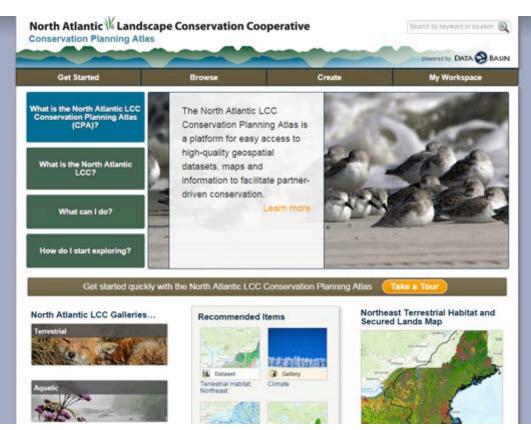
Combining Data with Large Landscape Conservation





NALCC DataBasin Site



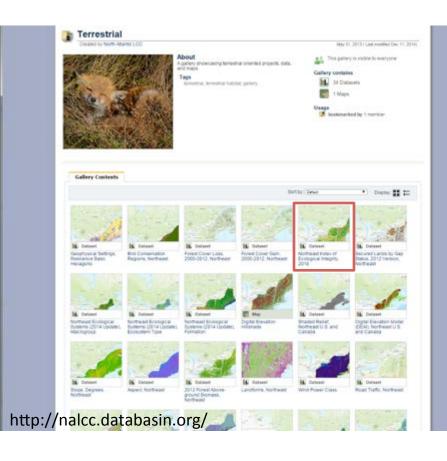


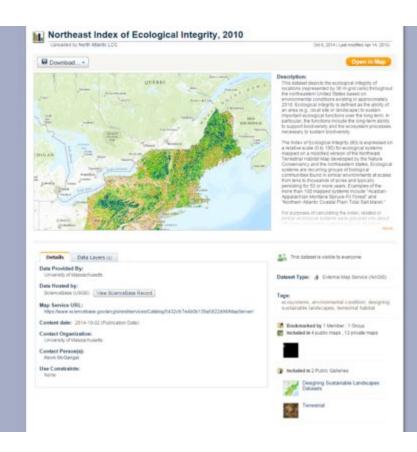
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NALCC DataBasin Site

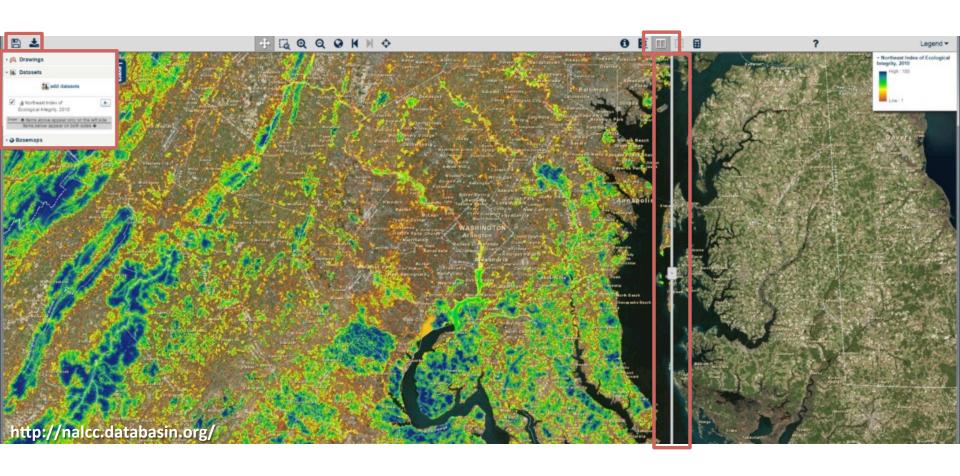






NALCC DataBasin Site

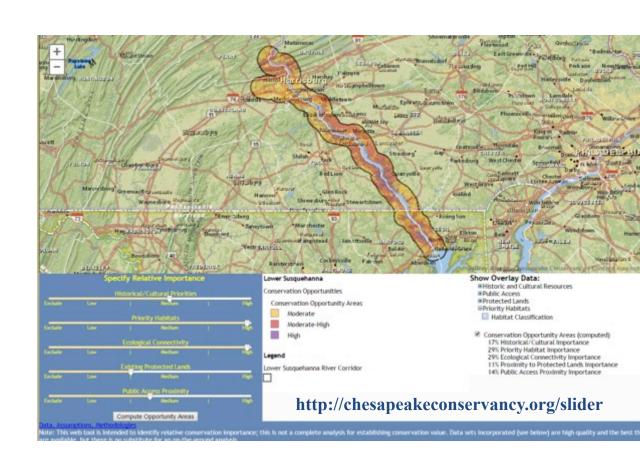




Lower Susquehanna River Conservation Opportunities Analyst



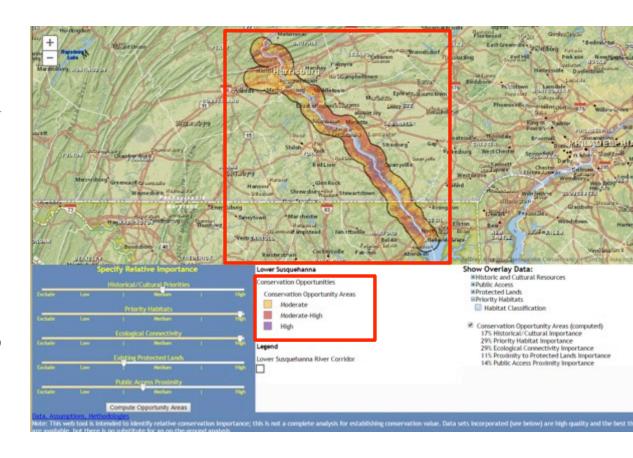
- Allows users to conduct a custom analysis of conservation potential based on THEIR priorities
- Users can visualize how the base data relates to the priority areas that come out of the analysis



Lower Susquehanna River Conservation Opportunities Analyst



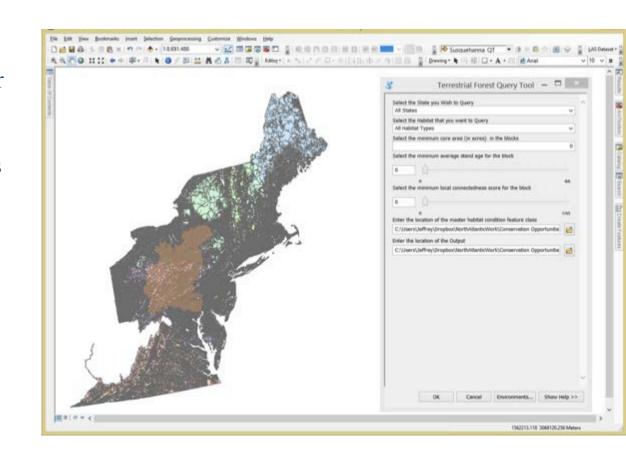
- Resulting dataset shows
 High, Moderately-High, and
 Moderate Potential areas
 based on the custom
 weighting
- As users adjust the weighting, areas with a high underlying resource value across interests will begin to emerge



North Atlantic LCC Terrestrial Habitat Query Tool



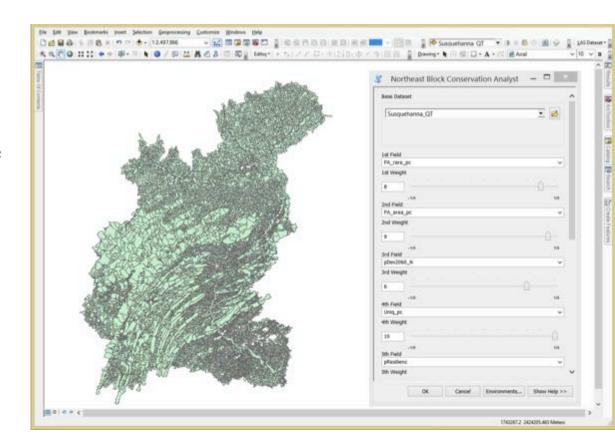
- Initial tool was developed for the North Atlantic LCC by The Nature Conservancy to identify road bounded blocks of habitat that meet specific criteria (state, habitat type, stand age, core habitat size, connectivity)
- We clipped the dataset down to the Susquehanna River watershed



Northeast Block Conservation Opportunities Analyst



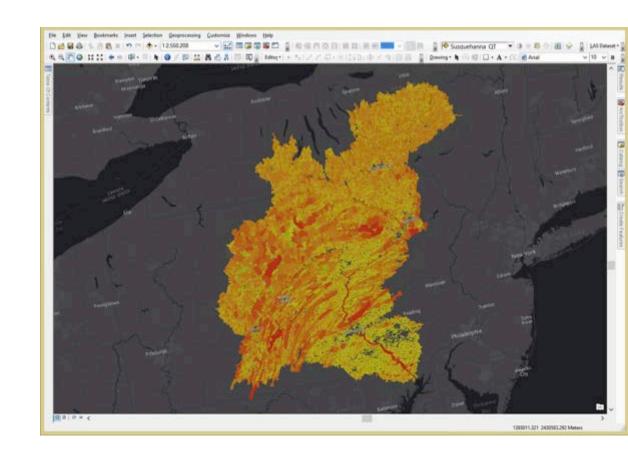
- Python based tool was developed in conjunction with the Wildlife Management Institute for the North Atlantic LCC
- Users can weight up to 10 variables that have been calculated and normalized across the entire North Atlantic region (Maine to Virginia)



Northeast Block Conservation Opportunities Analyst



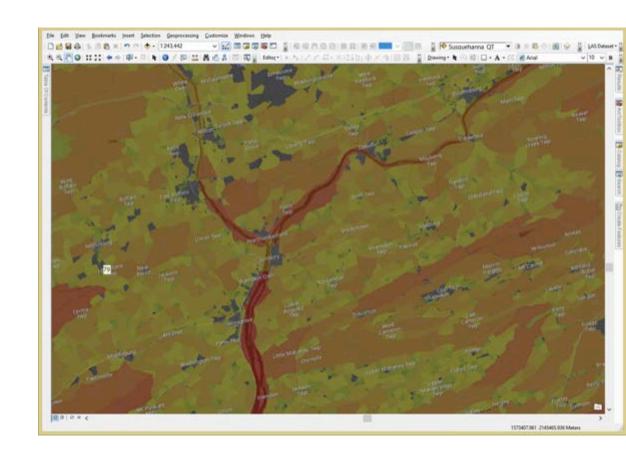
- For our analysis, we used 6 variables from the NALCC data and added two additional variables based on criteria that were important for *Envision the Susquehanna*
 - Natural Heritage Areas
 - Relationship to Existing Protected Land



Northeast Block Conservation Opportunities Analyst



- Using these results, we are working to identify priority landscapes where we will conduct further community engagement and work with local stakeholders to understand their priorities
- We are also working with local, county, and state governments to expand the understanding and use of these datasets



Envision the Susquehanna Community Engagement



 Key Informant Interviews



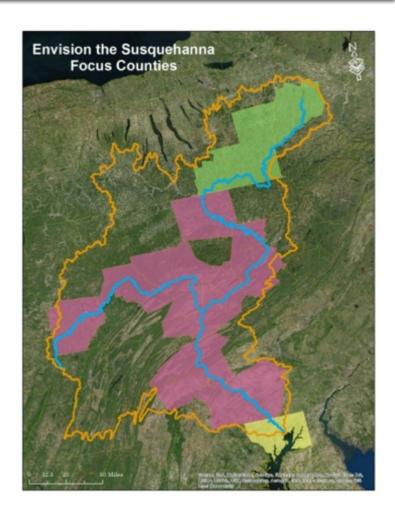
Telephone Survey

Workshops

 Community attitudes

Key challenges

 Openness to various conservation actions

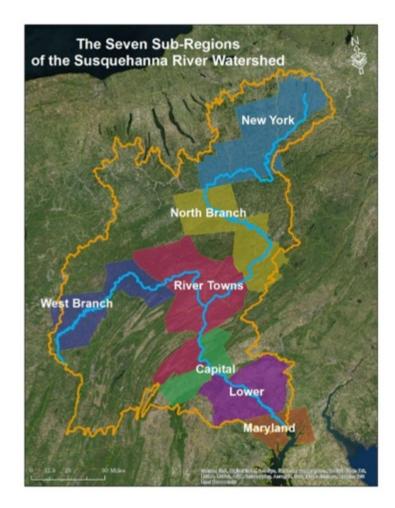


Envision the Susquehanna Key Informant Interviews



- 62 informants
- Cultural, social, environmental, economic
- Assets, attitudes, opportunities

- Key audiences
- Issues & opportunities
- Environmental goals and priorities
- Conservation work in progress
- Community
 openness to
 various
 conservation
 actions



Envision the Susquehanna Regional Phone Survey



- 950+ respondents
- Statistically significant comparisons between the seven subregions



- Regional differences & priorities
- Drivers
- Openness to conservation activities
- Non-starters



Envision the Susquehanna Regional Phone Survey



Next, I am going to ask you activities. Fallika to got a over the page MORE than 30 [q33]		25 [q28PA] I am now going to ask organizations and gov tell me if you trust the heard of that organiza Only answer this question if the ((State_NAOK == "PA")) Please choose the appropriate in	Next I'd like to get a sense of your willingness to give a donation to an organization working to improve the same items I just listed. A quick reminder, I am <u>not</u> asking you these questions to solicit money. For the following list, please tell me if you Would be willing OR Would not be willing, given your current financial circumstance, to donate money to a non-profit organization to				
Please choose	Next, I'd like the state of please indica	Pennsylvania Game	Public Schools	Would be willing to donate	Would not be willing to donate	Don't Know / No Opinion	Refused
Fished in the	profits shoul historical to	Conservation District	Agricultural Land Preservation	0	0	0	0
Susquehanna Used a boat la facility on the	Please choose the	PA Fish and Boat Commission US Fish and Wildlife Service	Open Space Preservation Bike Paths Libraries	0	0	0	0
Susquehanna Relaxed while in or next to th	Native Americar history	Susquehanna Greenway Partnership	Acquiring land for hunting Boat Launches and	0	0	0	0
Susquehanna Biked or walk along the Susquehanna Visited the	Agricultural histor Industrial history Ethnic and Imprisorant History Ethnic and Ethnic	Natural Resources (DCNR) Chesapeake	other river access opportunities	0	0	0	0
		National Park Service Sierra Club	Purchasing private land adjacent to the Susquehanna River for conservation	0	0	0	0
Susquehanna to view wildlife	Natural History	Environmental Protection (DEP) Your County Extension	Parks	0	0	0	0
Visited a park anong the Susquehanna River		Office Trout Unlimited Ducks Unlimited	Acquiring land to manage flood impacts	0	0	0	0
		The Nature Conservancy Private Business	Acquiring land to protect wildlife habitat	0	0	0	0

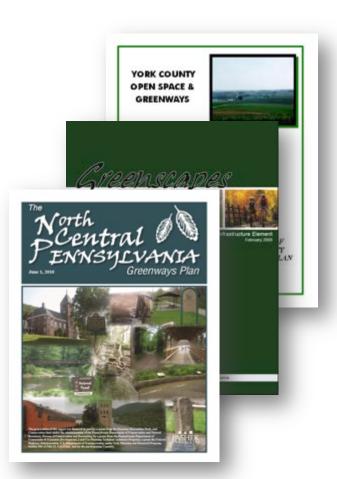
Envision the Susquehanna Plans Analysis



- 36 Comprehensive and Open Space Plans
- Distance reading of over 5,500 pages
- Statistical analysis of term frequency
- Process for public input



- Key themes
- How to be additive to on-going activities
- How much has the public been engaged thus far



Envision the Susquehanna Plans Analysis



- Bucknell University
- Chesapeake Bay Commission
- Chesapeake Conservancy
- County Planning Directors Assn.
- Endless Mountain Heritage Area
- Foundation for PA Watersheds
- Haudenosaunee
 Environmental Task
 Force

- PA Assn. of Conservation
 Districts
- PA DCNR
- PA Environmental Council
- PA Fish and Boat Comm.
- PA Game Comm.
- PA Land Trust Assn.
- PA Municipal Authorities Assn.
- Susquehanna Gateway Heritage Area
- Susquehanna Greenway Partnership

Susquehanna Heartland Coalition

- Susquehanna River Basin Comm.
- Trout Unlimited
 - **USFWS**
 - Upper Susquehanna Conservation Alliance
 - Wildlife Management Institute

Envision the Susquehanna Next steps



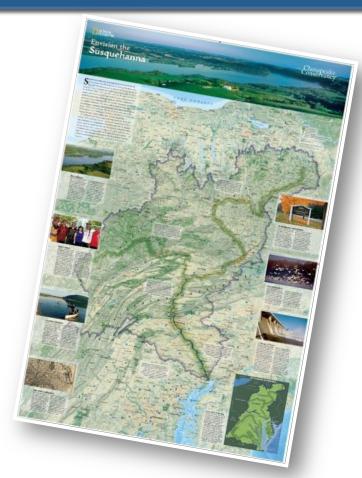
- Stakeholder Workshops:
 - Have high natural, historical, and cultural resource conservation value
 - Are amenable to working with us
 - Where we can add the most value



Envision the Susquehanna Analysis & Vision Development



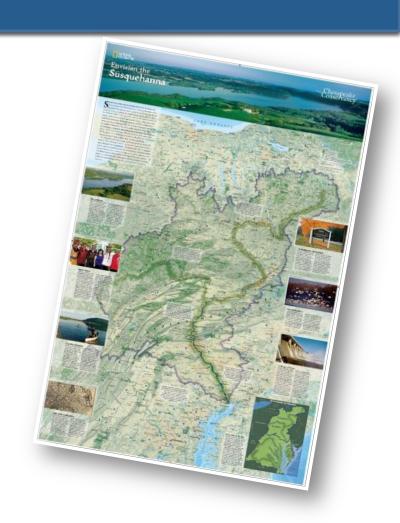
- Scientifically-based, community supported Vision for the Susquehanna River
- Comprehensive data layers for entire watershed
- 1,000 + voices of support for land conservation
- Network of protected lands and access sites
- Prioritized wildlife habitat and culturally valued areas



Envision the Susquehanna Implementation



- To restore the natural beauty and highlight the cultural heritage of the River corridor,
- To support community-based solutions to conserving the watershed and its significant places, and
- To encourage synergy of such efforts locally and regionally.



Envision the Susquehanna Next Steps



- Mapping workshop with ETS partners
- Webinar with Dr. Brandn Green; An in-depth discussion on the community engagement campaign for *Envision the Susquehanna*

