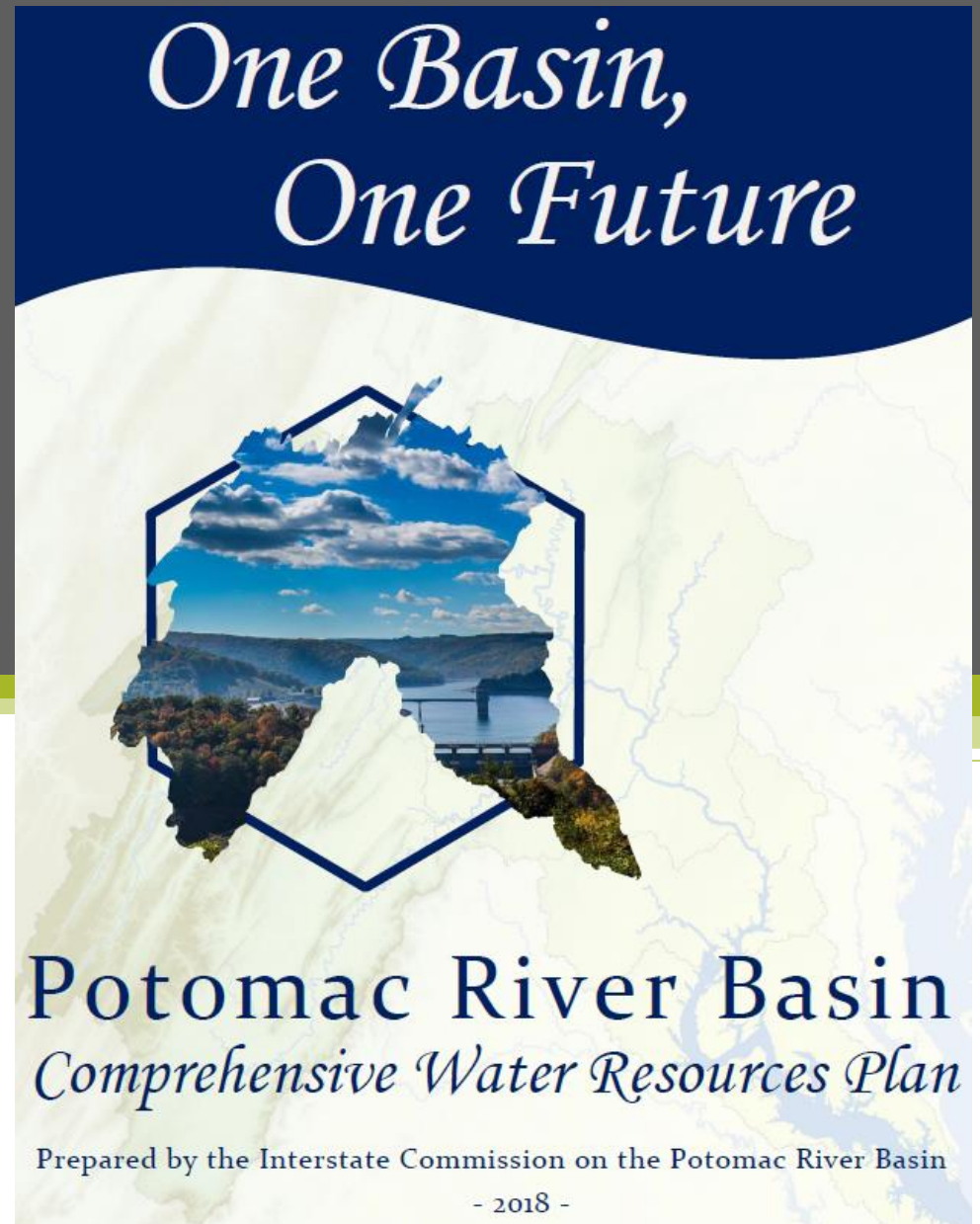


Potomac Basin Comprehensive Water Resources Plan

Potomac Watershed Roundtable
April 13, 2018



Interstate Commission
on the
Potomac River Basin



Plan cover photo by Robyn Phillips Photography.

Outline

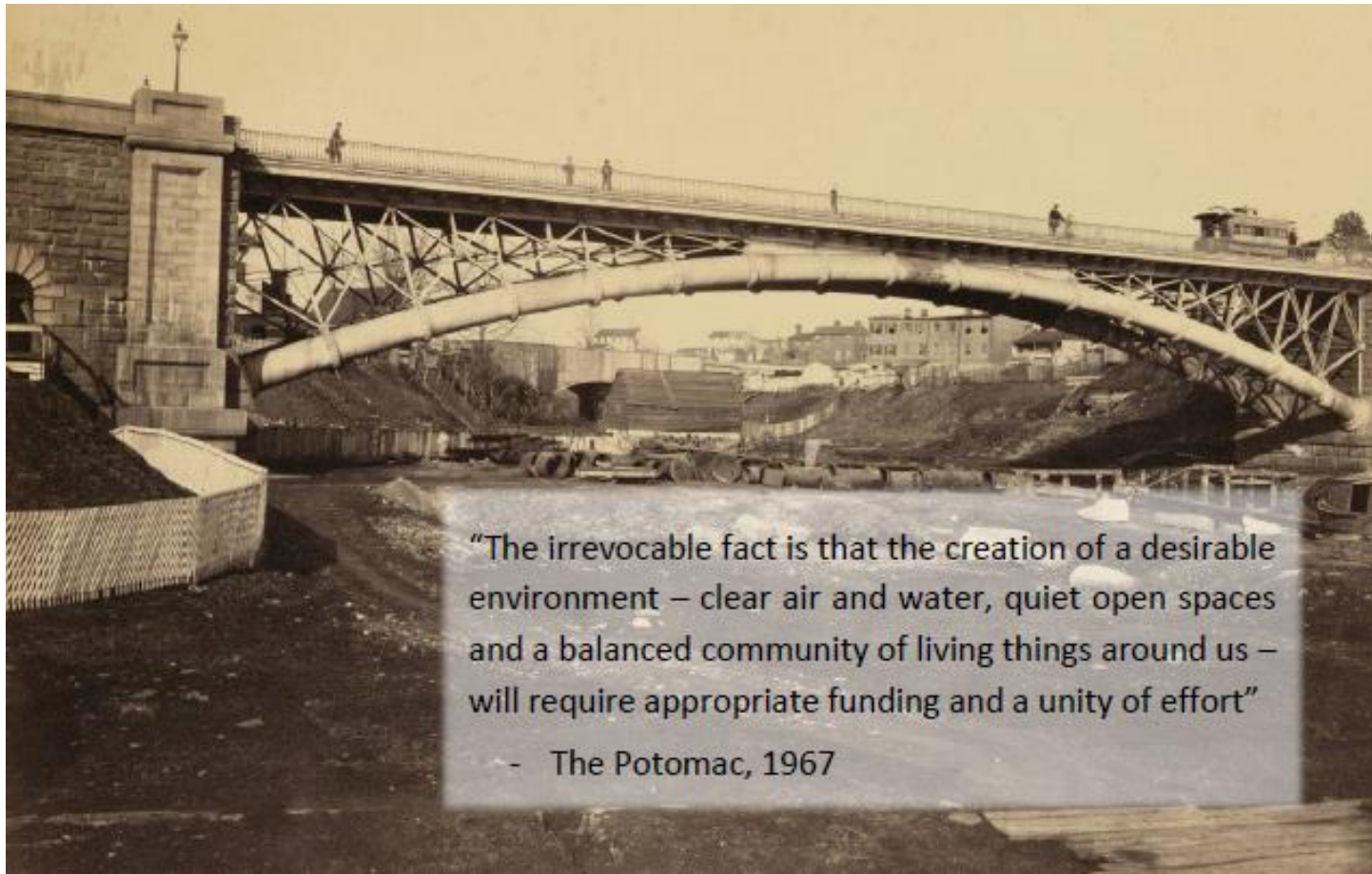


Photo from the Library of Congress.

- Basin Planning
- Vision
- Purpose
- Framework
- Stakeholder Participation
- Challenge Areas
- Recommendations
- Adaptive Implementation
- Timeline
- Get Involved!

Major Sections of Plan Document


- Introductory Materials
- Potomac Basin Description
- Challenges and Recommendations
- Implementation
- Strategy for Adaptive Implementation



Photo by John Wirts.

Planning

*Water for Maryland's Future:
What We Must Do Today*

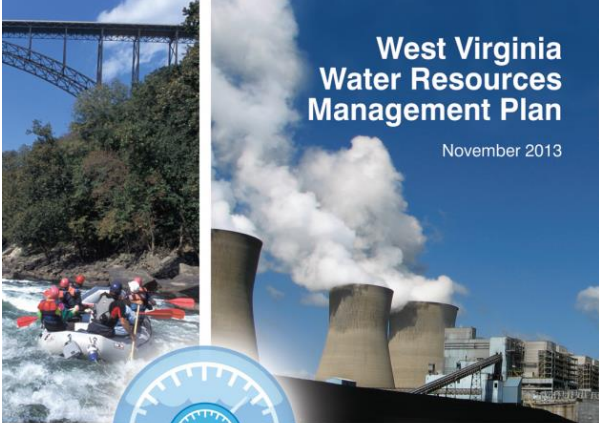


Final Report of the Advisory Committee on the Management and Protection of the State's Water Resources

M. Gordon Wolman
Chairman

West Virginia
Water Resources
Management Plan

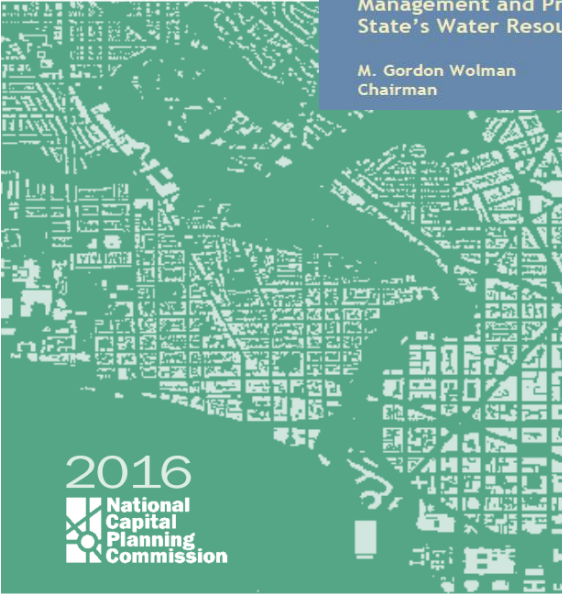
November 2013



WATER USE SECTION

west virginia department of environmental protection

COMPREHENSIVE PLAN
FEDERAL ELEMENTS



2016
National
Capital
Planning
Commission

The Comprehensive Plan for the National Capital



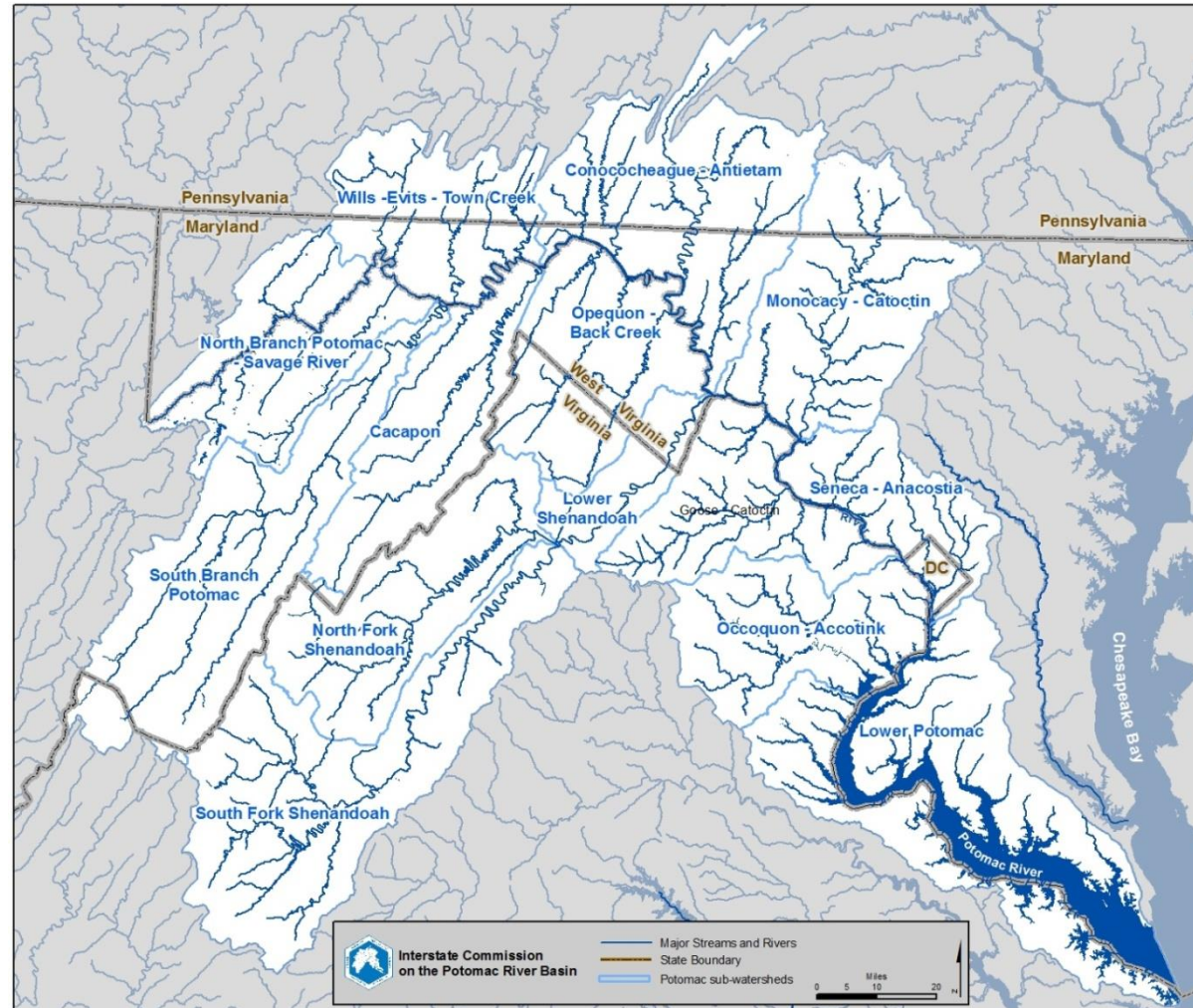
Pennsylvania
Water Planning

Shared Resource...Shared Responsibility



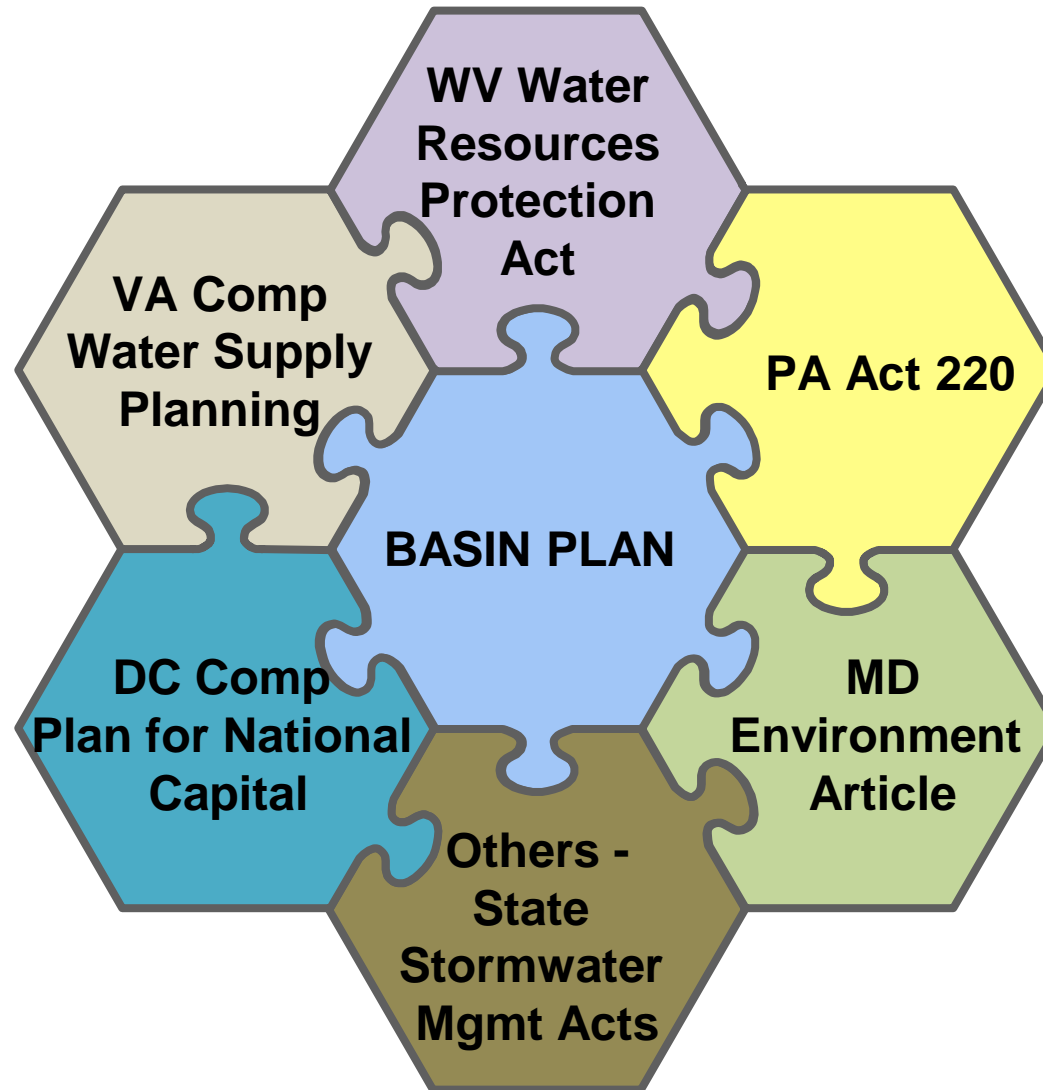
Commonwealth of Virginia
State Water Resources Plan

Basin Planning



Map produced by J. Ducnuigeen, ICPRB

Basin Planning



Vision



VISION

This plan provides a roadmap to achieving our shared vision that the Potomac River basin will serve as a national model for water resources management that fulfills human and ecological needs for current and future generations. The plan will focus on sustainable water resources management that provides the water quantity and quality needed for the protection and enhancement of public health, the environment, all sectors of the economy, and quality of life in the basin. The plan will be based on the best available science and data. The ICPRB will serve as the catalyst for the plan's implementation through an adaptive process in collaboration with partner agencies, institutions, organizations, and the public.

Purpose



The purpose of this plan is to identify and develop management recommendations for water resources issues of interstate and/or basin-wide significance. It aims to facilitate achievement of common goals, including protection of water supplies, drinking water sources, water quality, and aquatic life.



Photo by Jim Palmer.

Framework



Comprehensive Water
Resources Plan

- Collaborative
 - Adaptive
- Integrated
- Participatory

Stakeholder Participation

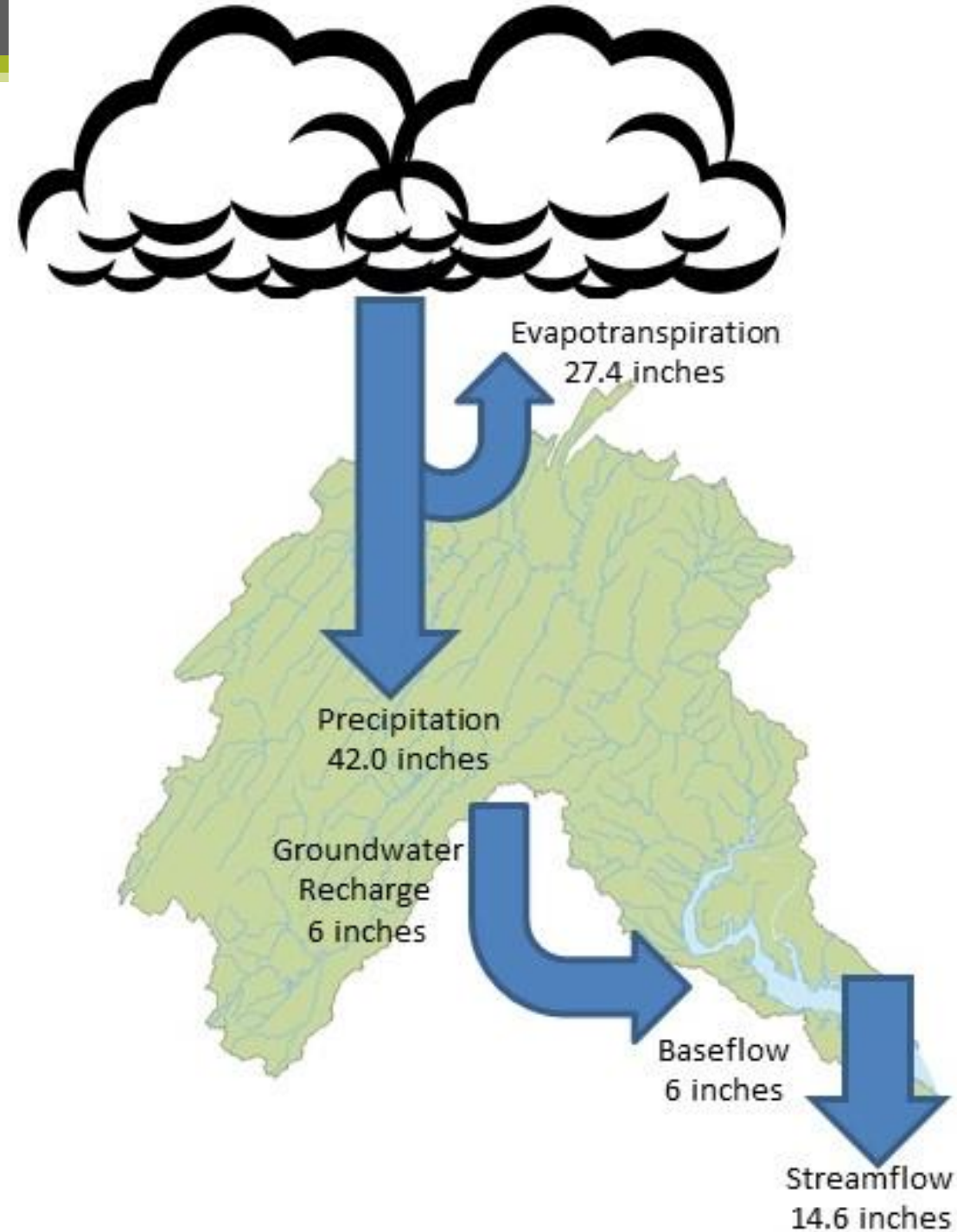
- Advisory committee
 - Provide input throughout the planning process
- Broad public participation
 - Extensive email distribution list
 - Other ICPRB electronic distribution lists
 - Website

Photo by Renee Bourassa.

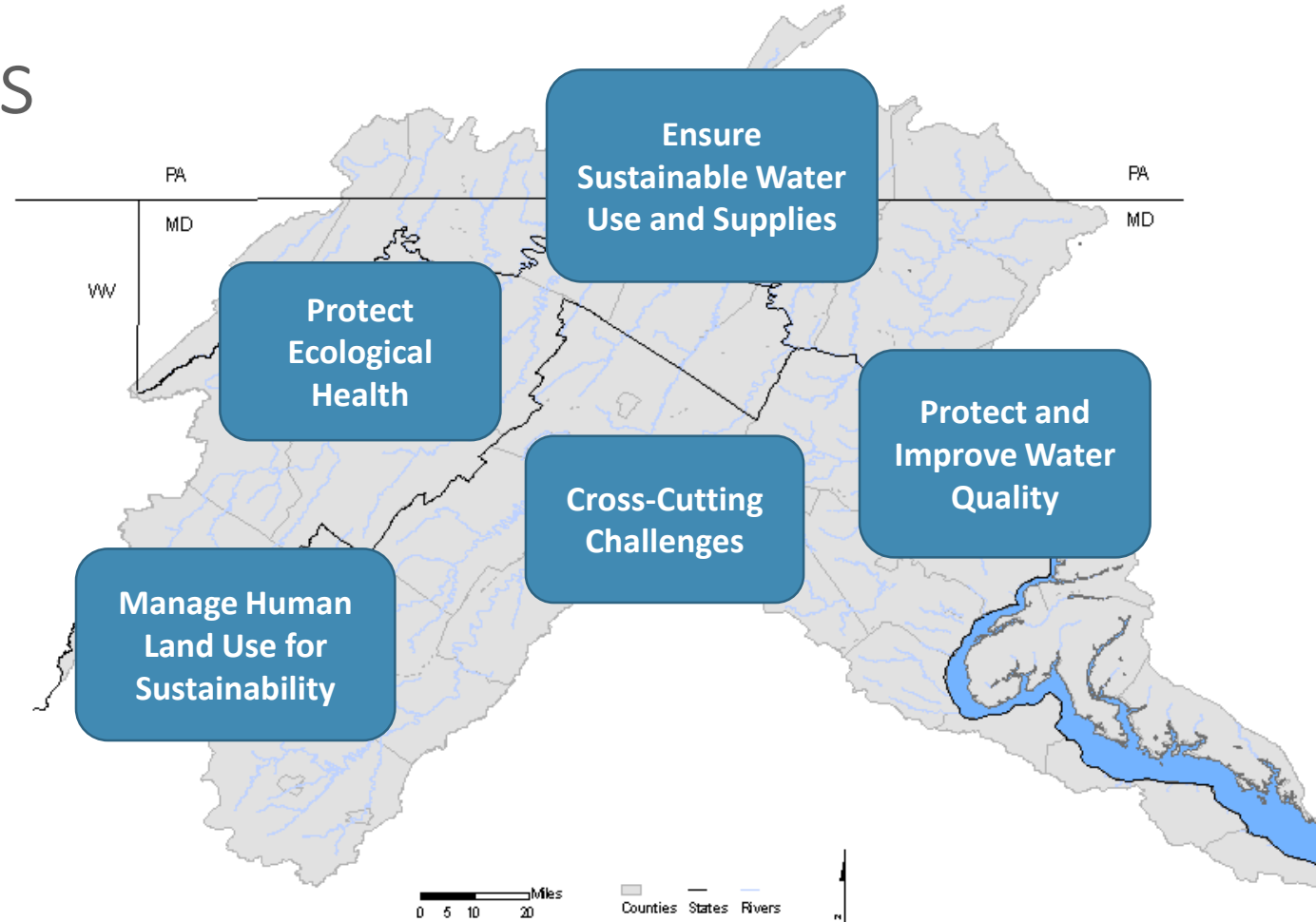


Basin Description

- Physiography
- Hydrology
- Population
- Land Use
- Water Use
- Water Quality
- Aquatic Life



Challenge Areas



Cross-Cutting Challenges

Cross-cutting themes that transcend any one particular challenge area

Floods and Droughts



Occoquan Reservoir during 1960s drought.

Climate Change

Water-Energy Nexus

Source Water Protection



Oil spill on the Anacostia River, early 1990s.

Recommendations

ACTION ITEMS Simple Actions We Can Do To Make a Difference



EVERYONE

- Pick up after your pet
- Leave no trace
- Properly dispose of pharmaceuticals
- Minimize use of deicing salts

KIDS

- Take care to close faucets tightly after each use
- Tell a teacher or parent if you see a water leak or pollution entering a waterway
- Volunteer with an adult to plant trees, monitor water quality, or pick up trash
- Get involved in your community



HOMEOWNERS

- Regularly pump your septic tank
- Properly dispose of household chemicals
- Conserve water by fixing leaks and replacing old toilets, dishwashers, and washing machines
- Use native, drought-tolerant species when landscaping

NON-PROFIT/BUSINESS

- Participate in local land-use planning
- Obtain a green business certification
- Promote environmentally sound decision-making by clients and customers



AGRICULTURE

- Keep cows out of streams
- Install and/or protect vegetated buffers
- Talk to your state about financial incentives for new equipment, planting trees, and other conservation techniques
- Plant a cover crop

GOVERNMENT

- Promote rain gardens, green infrastructure, and low impact development
- Encourage environmentally friendly landscaping
- Promote community wastewater treatment rather than individual septic systems
- Conduct contingency planning to respond to emergencies

Recommendations

RECOMMENDATIONS BY Challenge Areas



ENSURE SUSTAINABLE WATER USES AND SUPPLIES

- Report on basin-wide water uses, projected demands, and consumptive demands
- Conduct additional studies on water uses that fall below state water reporting thresholds
- Develop an inventory of roles, responsibilities, and areas of authority and discuss how effectively current programs and activities are being carried out
- Pursue a range of complementary actions that would contribute to a more sustainable and resilient water supply

PROTECT AND IMPROVE WATER QUALITY

- Promote water quality information sharing
- Educate citizens and professionals about water quality in the Potomac basin
- Develop an inventory of roles, responsibilities, and areas of authority and discuss how effectively current programs and activities are being carried out
- Pursue a range of complementary actions that would contribute to protecting and improving water quality

MANAGE HUMAN LAND USE FOR SUSTAINABILITY

- Research timely land use related information for decision-making
- Effectively disseminate scientific data and information compiled by ongoing research
- Develop an inventory of roles, responsibilities, and areas of authority and discuss how effectively current programs and activities are being carried out
- Pursue a range of complementary actions that would contribute to managing human land use for sustainability

PROTECT ECOLOGICAL HEALTH

- Share across jurisdictions data, analysis results, and information on successful restoration approaches
- Coordinate across jurisdictions plans and programs that protect ecological value
- Support and coordinate programs that identify, protect, conserve, restore, enhance, and connect natural areas, especially along waterways
- Pursue a range of complementary actions that would contribute to protecting ecological health

Implementation

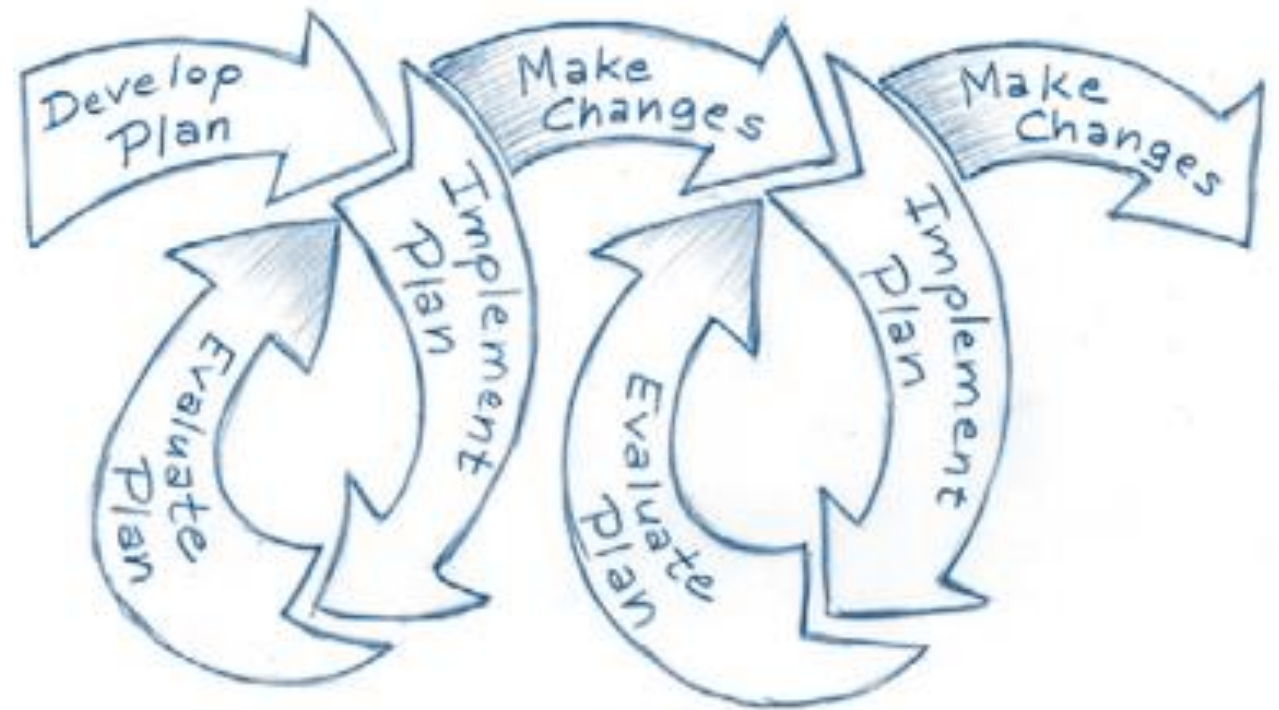
- Roles and Responsibilities
- Potential Funding Sources
- Integration with Other Plans



Photo by John Wirts.

Adaptive Implementation

- Milestones
- Measures of Success
- Review Process
- Communications Plan



Source: EPA

Timeline

- Final plan expected in early summer
- Ongoing communication with stakeholders during roll-out and implementation

Get Involved!

Contact us if you would like to review the draft plan.

Questions?



2008 ICPRB River Ramble at Mount Vernon. Photo by ICPRB.

Contact

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