



**CAPITAL REGION**™

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**WATER**

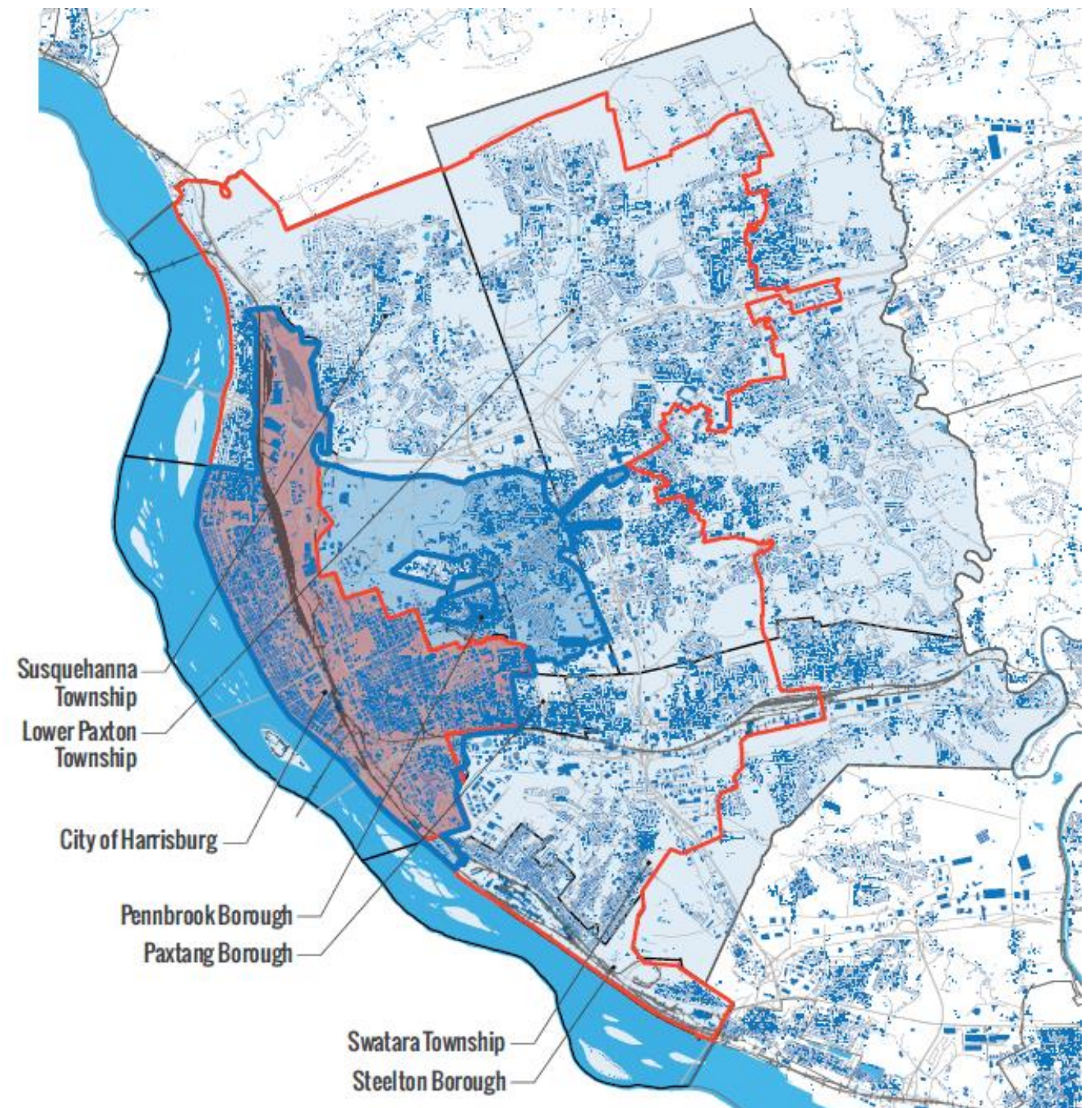
# Conserving the DeHart Property

November 3, 2016

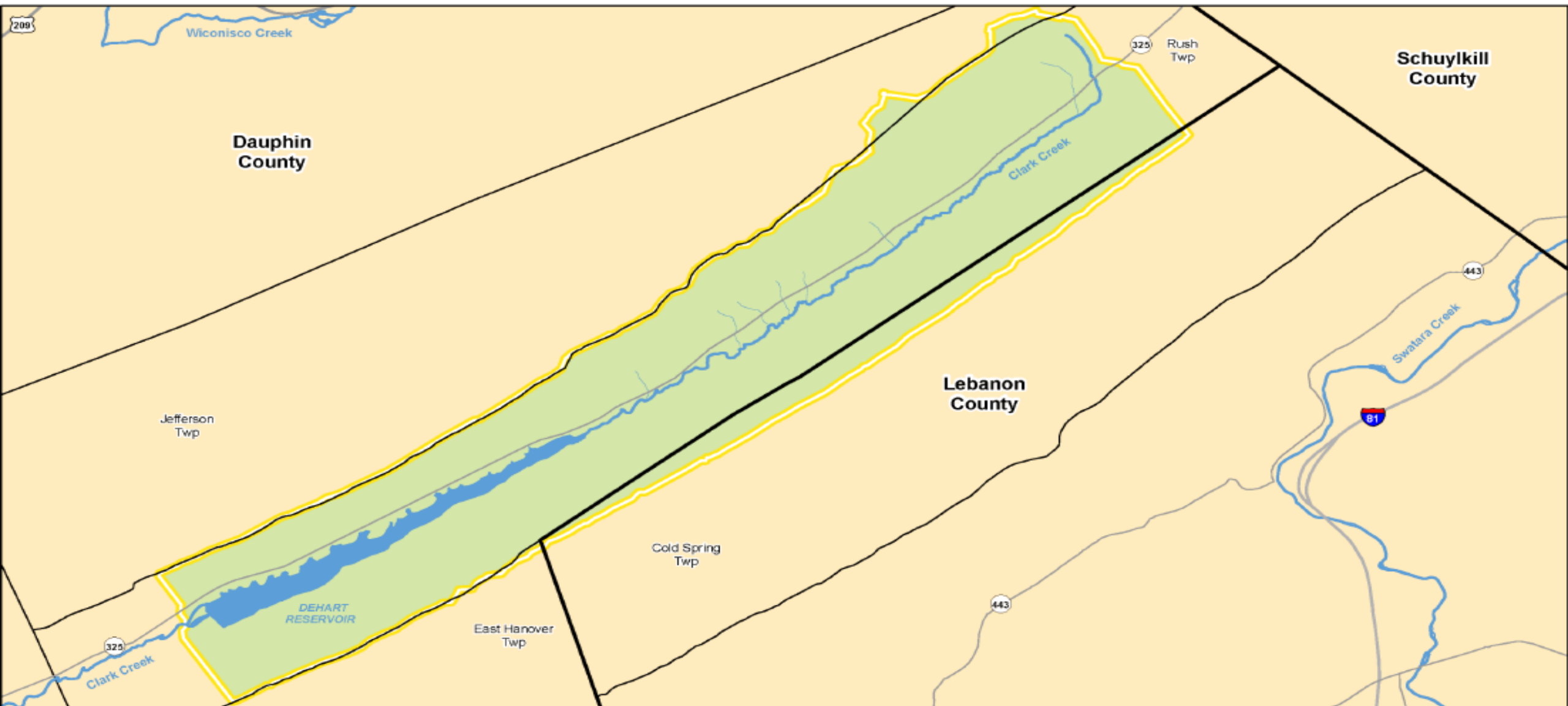


**Primary source of drinking water for the City of Harrisburg and portions of Penbrook Borough and Susquehanna and Lower Paxton Townships**

- Located in Rush, Jefferson, Middle Paxton Twps.
- Clarks Creek is the source
- Built in 1940s
- Holds 6 billion gallons
- 5-mile long reservoir
- Surrounded by forested property







**SOURCE OF STREAM IMPAIRMENT**

-  Abandoned Mine Drainage (AMD)
-  Agriculture
-  Urban/Suburban Development
-  Other
-  Unimpaired

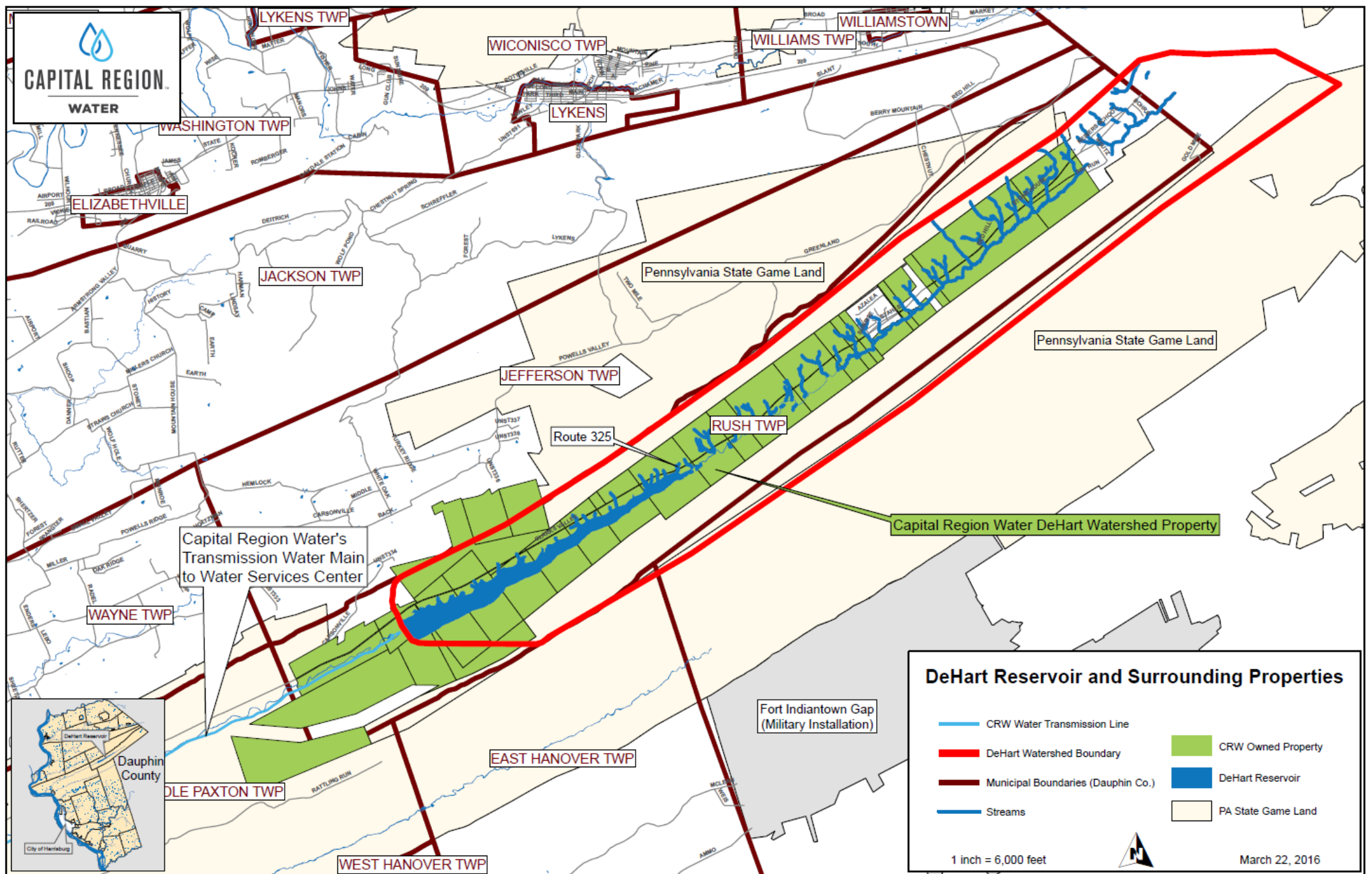
**SWP AREA**

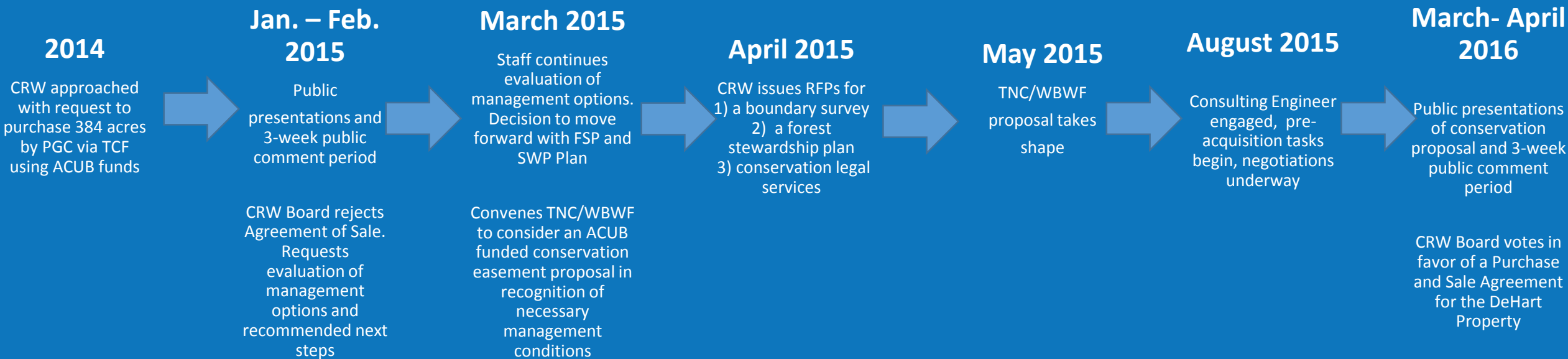
-  Zone A SWP Area
-  Zone B SWP Area
-  Zone C SWP Area

**GENERAL**

-  Major Road
-  County Boundary
-  State Boundary
-  Municipal Boundary









# Army Compatible Use Buffer (ACUB)

## What & Why

- Since 2002, The Department of Defense's **REPI (Readiness and Environmental Protection Integration) program** has authorized U.S. military installations to enter into agreements with State or Local governments or private conservation organizations to address development concerns and encroachment on lands neighboring the installation.
- The United States Army's version of this program, the **ACUB (Army Compatible Use Buffer)** program, has been used to protect multiple National Guard training Installations from encroachment.
- **Encroachment** is defined as urban development surrounding military installations that affects the ability of the military to train realistically. **Encroachment restricts the Army's ability to operate installations & training areas.** It changes the pattern of land use and habitat growth and impedes the Army's ability to train Soldiers.

The following conditions must be met :

- CRW retains property ownership, including oil/gas/mineral/timber rights
- Perpetual conservation agreement (ie. restriction or easement)
- Both CRW and third party maintain enforcement authority of conservation agreement
- Maintain hunting/hiking through the PA Game Commission Cooperative Game Agreement
- Respects Trust Indentures and efficient operation of the water system
- Minimal interference with CRW operations

Scenario	1	2	3	4
Approach	“Do Nothing”	“Deed Restriction”	“Sale”	“Conservation Easement”
Ownership	CRW	CRW	Other	CRW
Management / Enforcement	CRW	CRW	Other	CRW & Partner
Potential Revenue Source	Timbering & Carbon	Timbering & Carbon	One Time Payment	Timbering & Carbon & Compensation
Total Revenue – One timber cycle (timber, carbon, land sale values)	\$4 - \$12 Million	\$4 - \$12 Million	\$6-\$20 Million	\$4 - \$20 Million
Potential Revenue – Two Timber Cycles	\$8 - \$24 Million	\$8 - \$24 Million	\$6 - \$20 Million	\$8 - \$36 Million
Benefit/Cost Ratio	1/2 = 0.5	2/2 = 1	1/2 = 0.5	3/1 = 3
Rank	3	2	3	1





**Utilizing Fort Indiantown Gap Army Compatible Use Buffer (ACUB) Program funds, Capital Region Water will partner with the Ward Burton Wildlife Foundation and The Nature Conservancy to grant a conservation easement on the 8,200-acre DeHart Watershed Property.**

**The conservation easement will protect the property's natural, scenic, forested and open space condition. Thereby, protecting water quality, regional conservation significance, and the military mission of FTIG.**

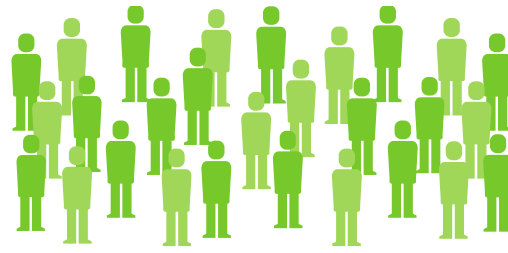


# Ward Burton Wildlife Foundation



**50**

U.S. state chapters



**1mm+**  
active members



**3,700/  
550**

employees/  
scientists

**35**

countries



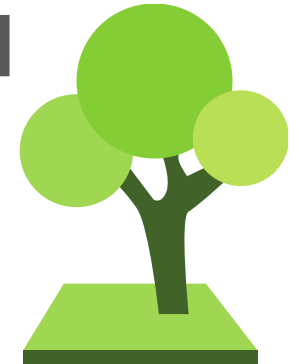
The Nature  
Conservancy



Protecting nature. Preserving life.™

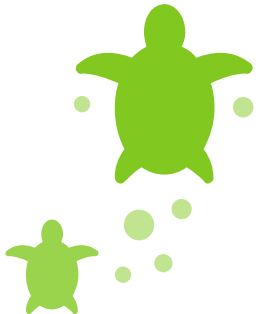
**120MM**

acres of land  
protected



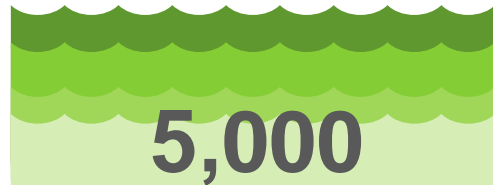
**100**

Marine conservation  
projects  
in 21 countries &  
all U.S. coastal states



**5,000**

river miles  
protected



**1,400**

preserves managed



# WORKING WOODLANDS

## HOW IT WORKS



Maintain working forest landscapes for the production of high quality ecologic and economic values.

### **LONG-TERM FOREST PROTECTION**

- Working forest conservation easements

### **CERTIFIED FOREST MANAGEMENT**

- Forest inventory
- 10 yr. Assessment and plan
- FSC certification

### **ECOSYSTEM VALUE ASSESSMENT**

- Improved forest management carbon potential



# Public Comment - by the numbers

- 2 public meetings/hearings as well as additional information discussions with critical stakeholders such as CRW's Community Ambassadors, Source Water Protection partners, and the PA Game Commission
- 8 media hits
- 8,400 reached on social media
- 1,500 via direct email, including previous commenters
- 62 comments received
  - 31 customers and 8 organizations
  - 46 comments were in support
  - 5 comments in opposition
  - 11 comments were without express support or opposition
  - All comments were made publically available

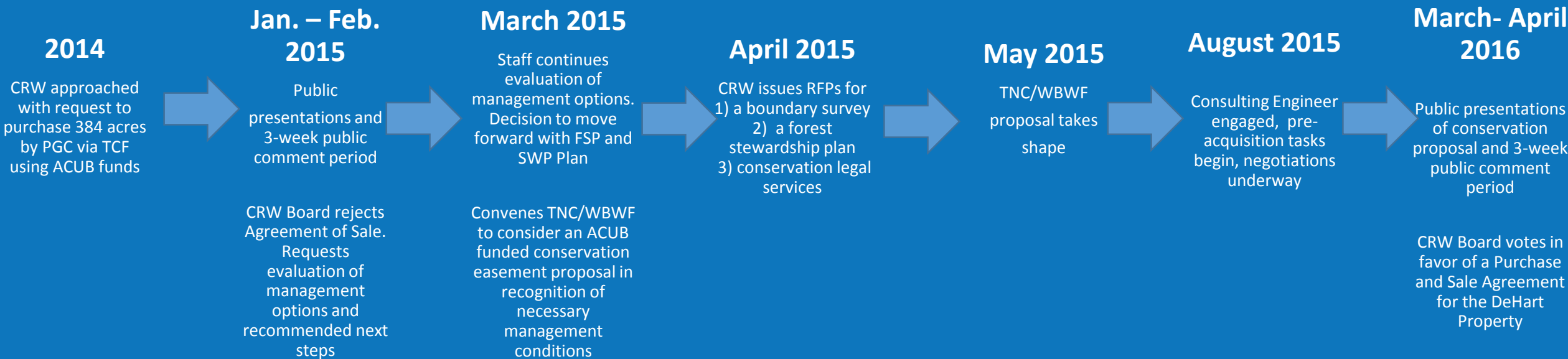


**Water:** Preserve and/or enhance the high quality drinking water by improving the capacity of the system to produce the resource. Watershed security must also be maintained to insure the safety of the supply. Critical riparian buffer zones must be maintained and established as necessary. All water resources on the property must be recognized, including any springs, tributaries, and wetlands. In addition, the plan must complement existing operations and source water protection efforts that provide drinking water to nearly 67,000 people.

**Revenue:** Improve the capacity of the watershed and downstream properties to produce carbon-friendly revenue options. Revenue streams will allow CRW to enhance and protect the asset. This includes sustainable timber harvesting and monetizing of ecosystem services.

**Ecosystem health:** Maintain and enhance long-term ecosystem health and viability. Identify and conserve high priority conservation areas, contribute to the conservation of biological diversity and habitat, and actively manage the property for resiliency to withstand threats (invasive species, storms, insect invasions, changing climate).

**Compliance and recordkeeping:** Ensure any active management of the property exceeds any federal, state and local requirements and best practices. Implementation of the plan must be monitored and documented with incremental benchmarks.





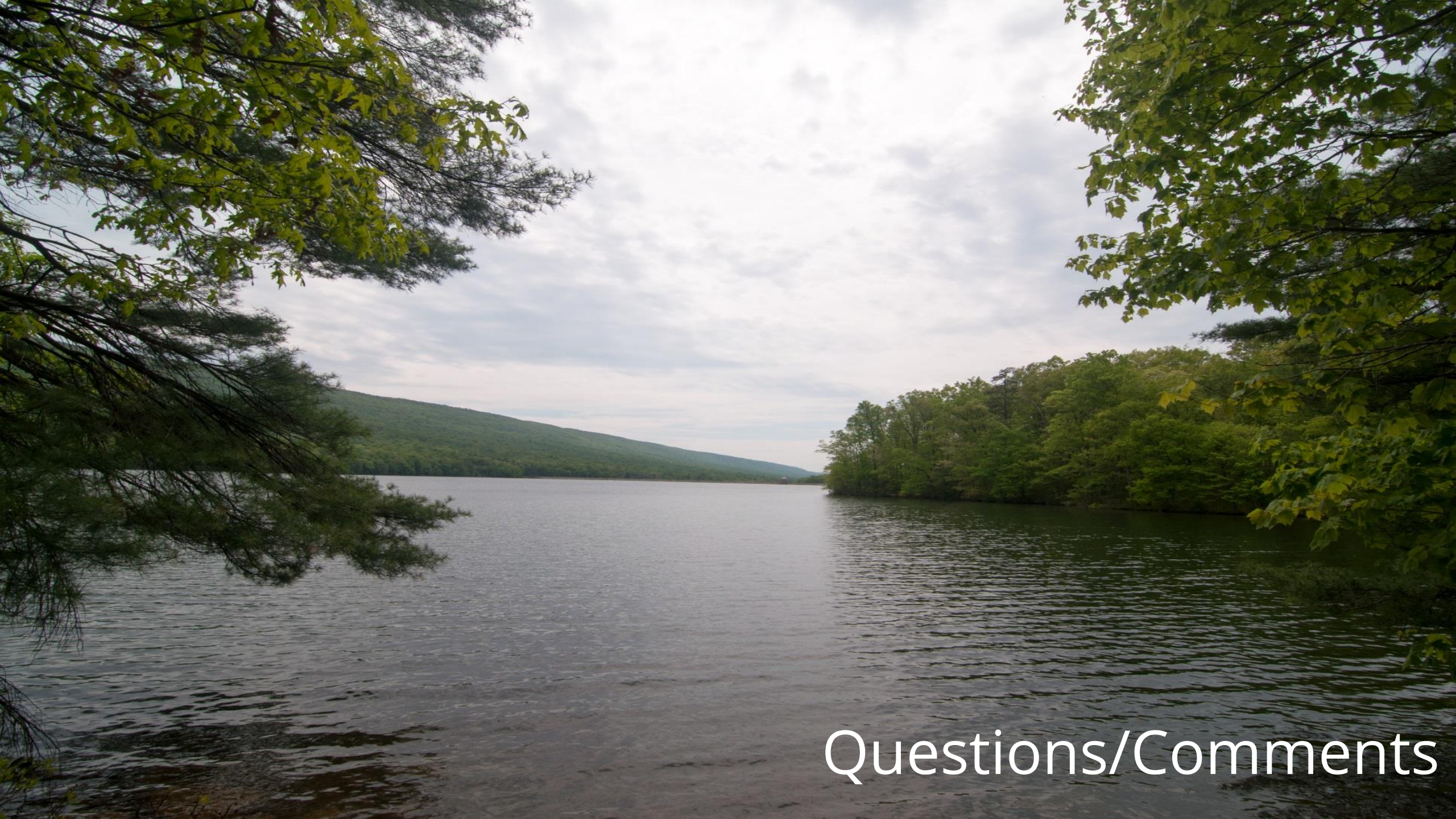






Next Steps





Questions/Comments





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**WATER**