

# Executive Order on Chesapeake Bay Protection and Restoration

202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters



## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- The 202b Report states that USDA would lead an aggressive, voluntary, partnership conservation initiative to improve water quality while sustaining and enhancing the Chesapeake's farms and forests.

## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- There are 6 major Elements of this Initiative:
  - A. Focus on the highest priority watersheds
  - B. Focus and integrate Federal and State programs
  - C. Accelerate conservation adoption
  - D. Accelerate development of new conservation technologies
  - E. Implement a sound accountability system
  - F. Launch a “shared federal leadership” commitment to support Ecosystem Markets in the Chesapeake Bay.

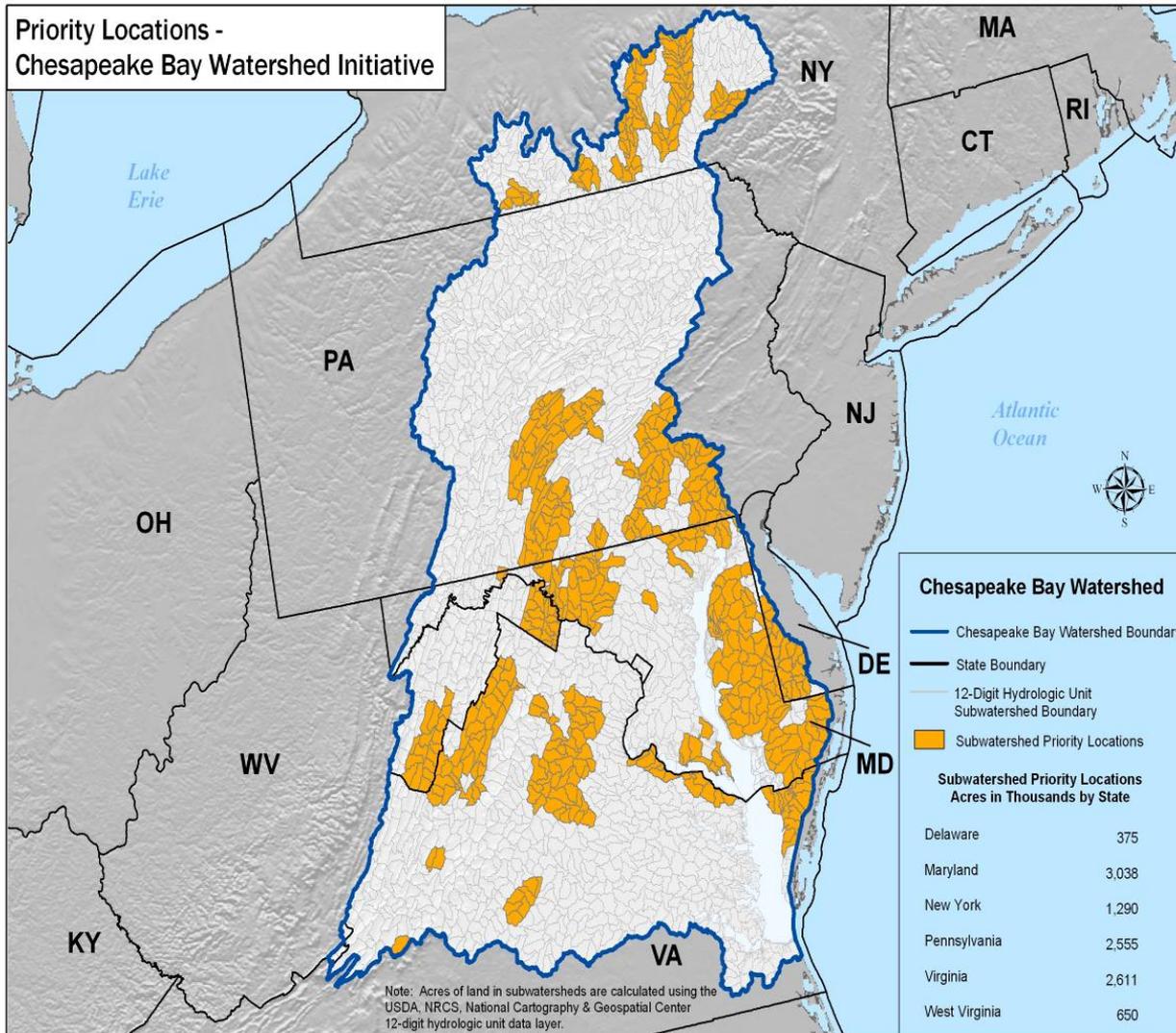


## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- **Focus on the highest priority watersheds**

By identifying the watersheds and their most critical acres for immediate conservation action in order to better protect the Bay and its tributary waters.

Priority Locations -  
Chesapeake Bay Watershed Initiative

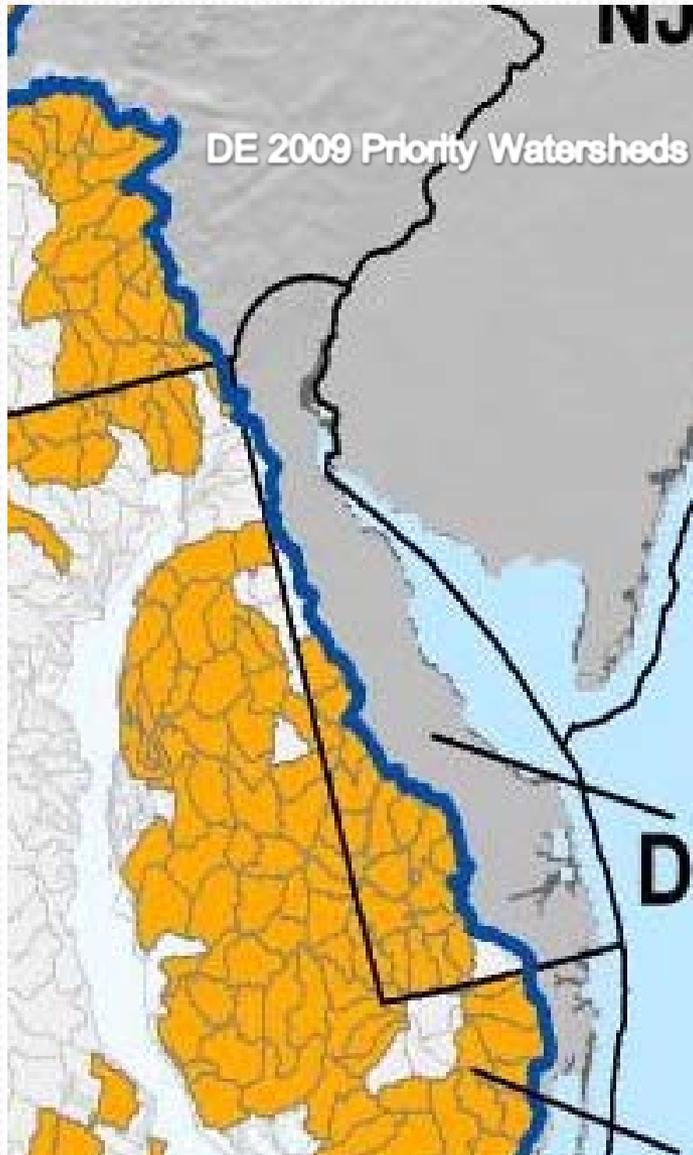


U.S. Department of Agriculture  
Natural Resources Conservation Service  
Resources Inventory and Assessment Division  
Washington, D.C. February 2009

Map ID: 10434

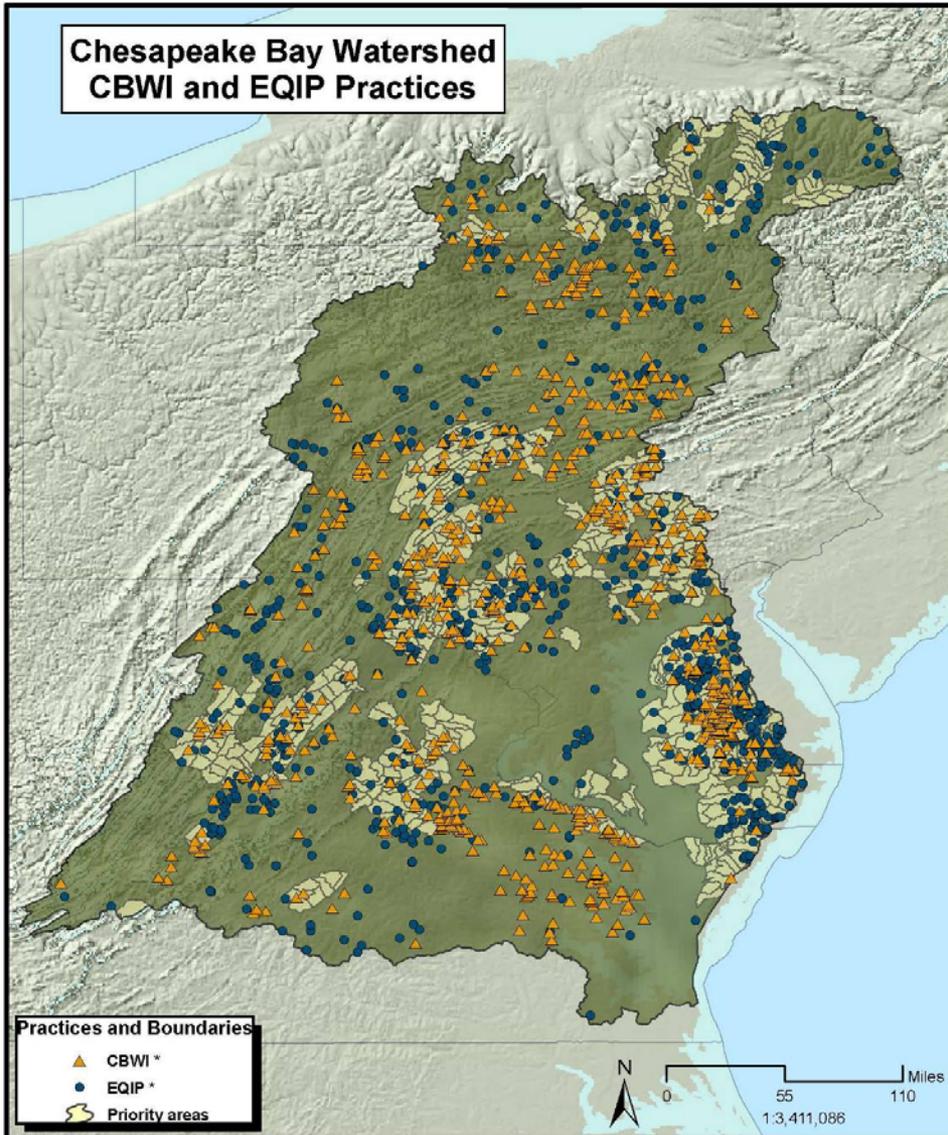
Source: USDA, NRCS, Chesapeake Bay Program Data

# 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters



202 B  
Report -  
Focusing  
Resources  
to Restore  
and Protect  
the  
Chesapeake  
Bay and its  
Tributary  
Waters

## Chesapeake Bay Watershed CBWI and EQIP Practices



### Practices and Boundaries

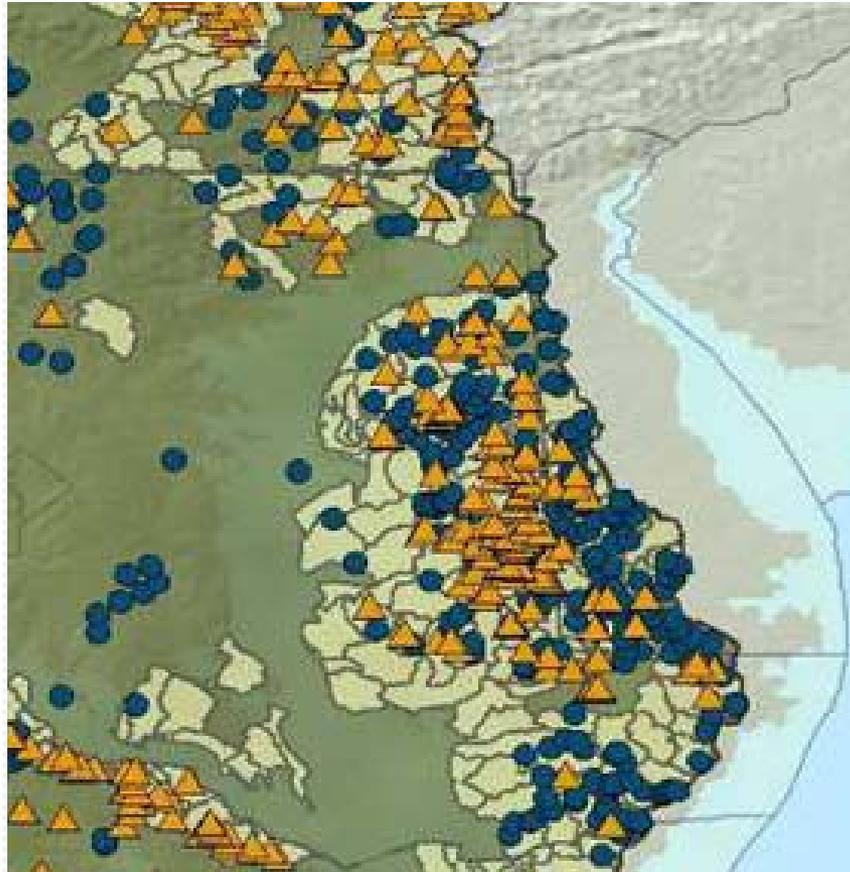
- ▲ CBWI \*
- EQIP \*
- Priority areas



Chesapeake Bay Watershed:  
58.3% of the CBWI obligation within priority location  
50.8% of the Chesapeake EQIP obligation within priority location  
75.4% of the CBWI priority practices within priority locations

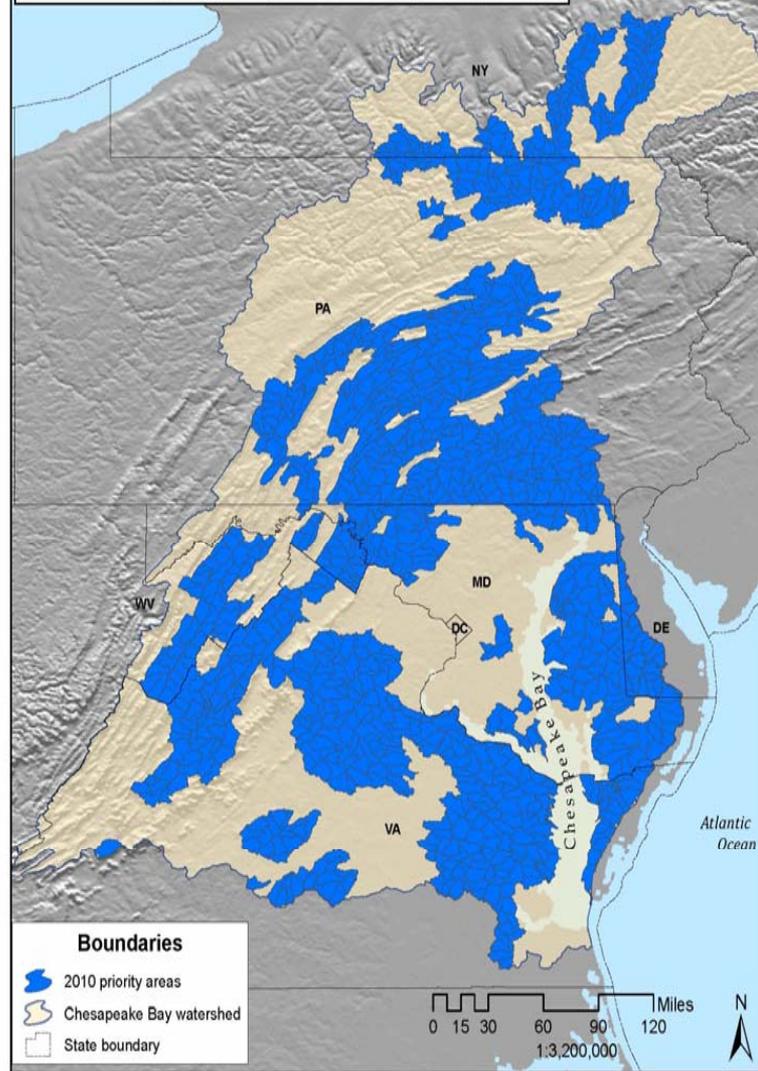
\* Represents unique location

202 B  
Report -  
Focusing  
Resources  
to Restore  
and Protect  
the  
Chesapeake  
Bay and its  
Tributary  
Waters



202 B  
Report -  
Focusing  
Resources  
to Restore  
and Protect  
the  
Chesapeake  
Bay and its  
Tributary  
Waters

2010 Chesapeake Bay watershed priority areas

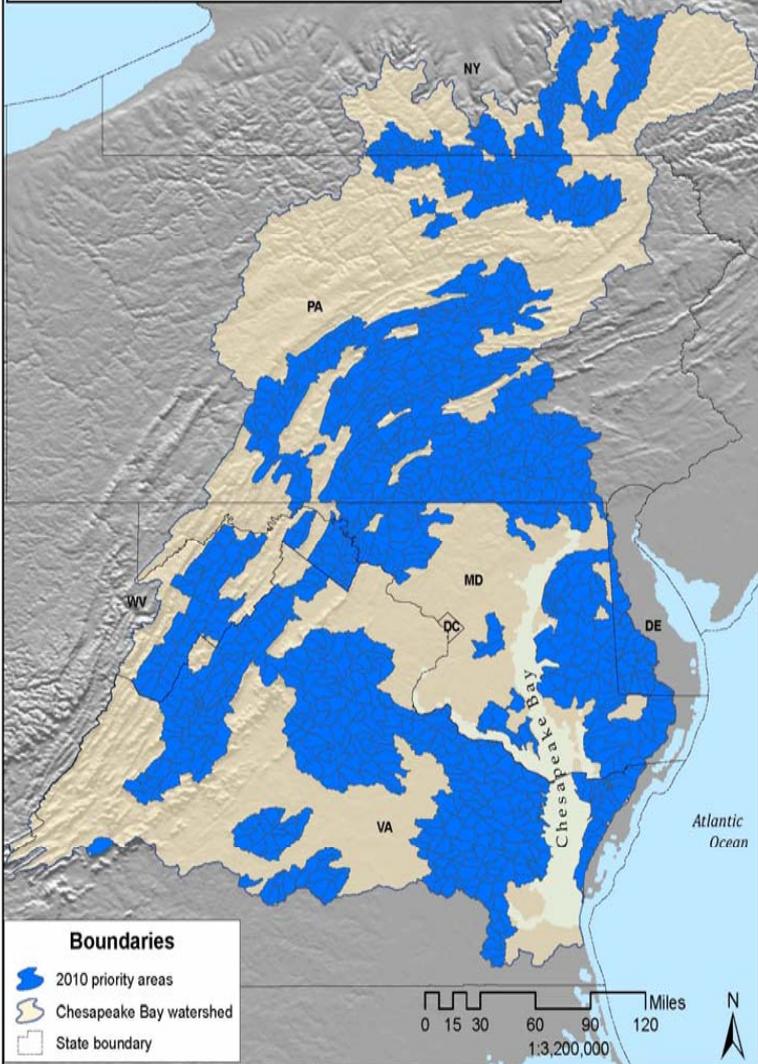


Map data sources: watersheds based on 12-digit HUCs USGS, NRCS areas submitted by states

December 2, 2009

# 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

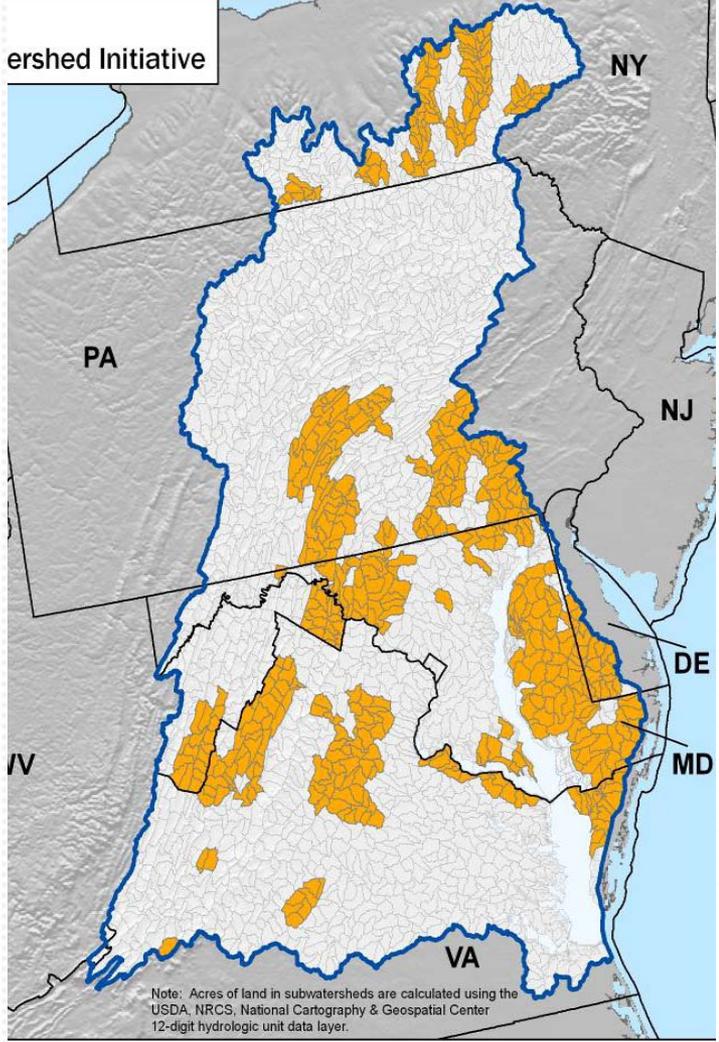
# 2010 Chesapeake Bay watershed priority areas



Map data sources: watersheds based on 12-digit HUCs USGS, NRCS areas submitted by states

December 2, 2009

# Watershed Initiative

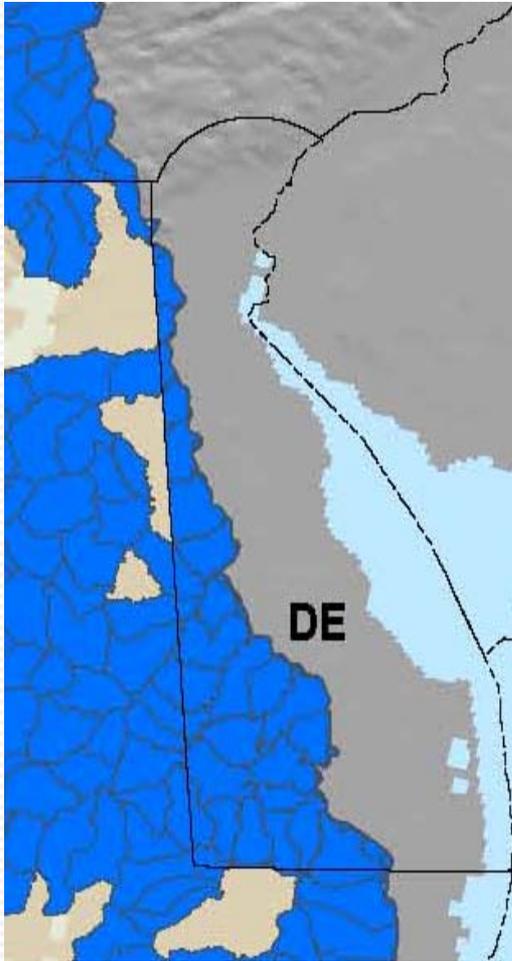


Department of Agriculture  
Natural Resources Conservation Service  
Resources Inventory and Assessment Division  
Washington, D.C. February 2009

Map ID: 10434

So

## DE 2010 Priority Watersheds



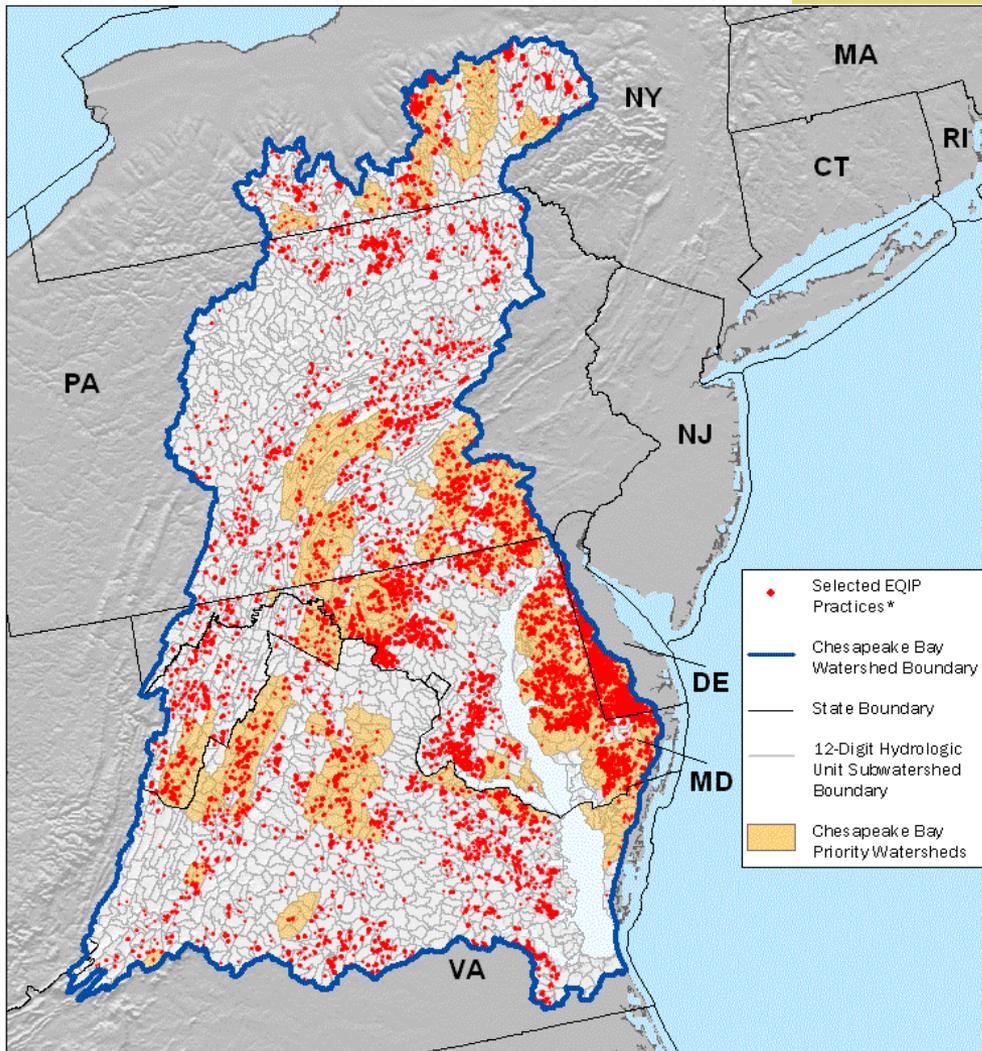
202 B  
Report -  
Focusing  
Resources  
to Restore  
and Protect  
the  
Chesapeake  
Bay and its  
Tributary  
Waters



## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- **Focus and integrate Federal and State programs**

by focusing programs on priority conservation practices, better coordinating U.S. Department of Agriculture (USDA) and U.S. Environmental Protection Agency (USEPA) resources for voluntary conservation, and delivering programs and assistance most effectively. Strong partnerships with states and local governments, communities, and the private sector are essential to achieve the environmental objectives for the Bay watershed.

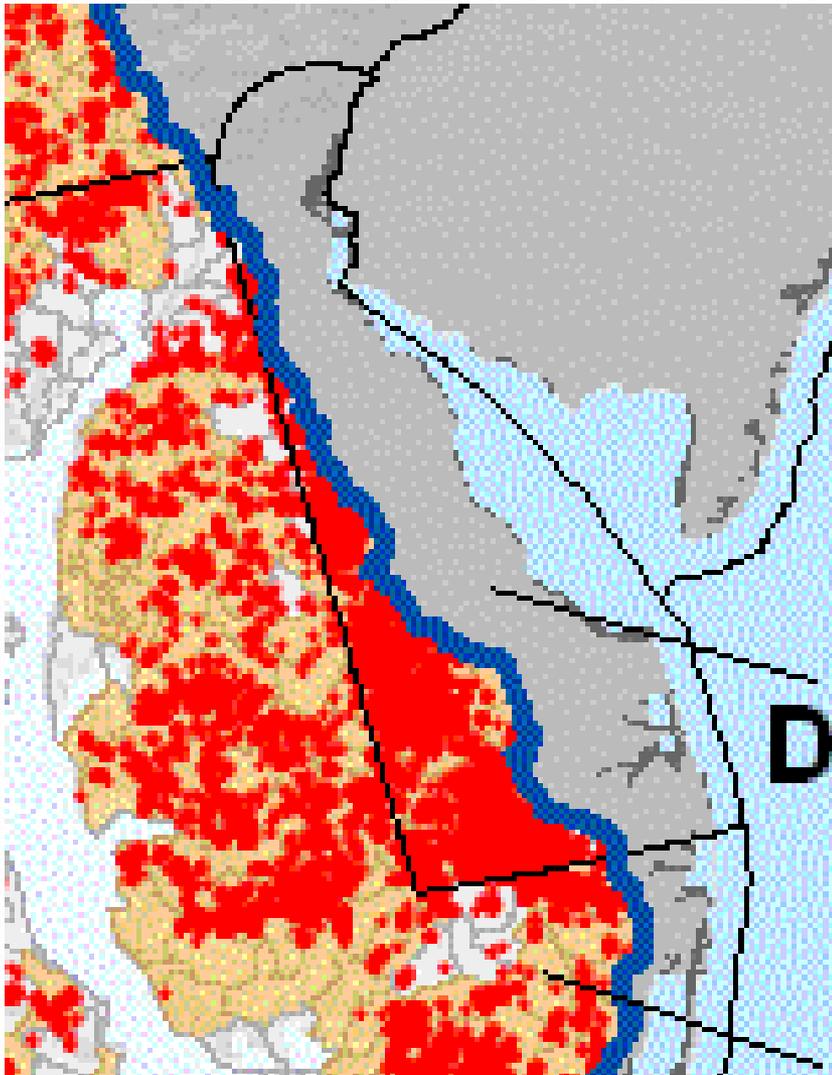


There are a total of 46,602 practices represented in this map; 23,278 of these, or 51%, are in priority watersheds. The practices cover 651,164 acres -- 54% in priority areas; 4,409,461 feet -- 36% in priority areas; 799 facilities or structures -- 53% in priority areas; and 302 animal units -- 99% in priority areas.

\*This map includes the following practices: Conservation Cover, Conservation Crop Rotation, Cover Crop, Cover Crop Shoreline Protection, Diversions, Feed Mgmt., Fencing, Filter Strips, Grassed Waterways, Heavy Use Area Protection, Irrigation Water Mgmt., Lined Waterway or Outlet, Nutrient Mgmt., Pasture and Hayland Planting, Pest Mgmt., Prescribed Grazing, Residue & Tillage Mgmt., Riparian Buffers, Riparian Herbaceous Cover, Structures for Water Control, Terraces, Tree Planting, and Waste Storage Facilities.

# 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters





202 B  
Report -  
Focusing  
Resources  
to Restore  
and Protect  
the  
Chesapeake  
Bay and its  
Tributary  
Waters

- 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

## **Accelerate conservation adoption**

by working with partners to increase incentives, simplifying program participation, and encouraging private sector investment in conservation actions to restore the health of the Bay. Coordinated programs that empower voluntary actions through incentives, and technical and financial assistance are a fundamental part of improving the Bay



- 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- FY 09 State Allocation

• State	Total	Percent
• DE	\$1,278,263	5.6%
• MD	\$5,143,305	22.4%
• NY	\$1,403,356	6.1%
• PA	\$6,747,749	29.3%
• VA	\$6,976,161	30.3%
• WV	\$1,451,165	6.3%
• Total	\$23,000,000	100.0%

- 
- 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

### CBWI - Proposed Allocations FY 2010-2012

- FY 2010      \$43 million
- FY 2011      \$73 million
- FY 2012      \$50 million

## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- **Accelerate development of new conservation technologies**
- by increasing public-private research partnerships and focusing Federal funding to foster and promote innovation to expand the –conservation toolbox. New technologies that increase revenue opportunities for farmers and their communities will also increase rural prosperity and sustain the restoration of the Bay.



## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

### **Conservation Innovation Grants - CIG**

- A voluntary program intended to stimulate the development and adoption of innovative conservation approaches and technologies
- CIG funds are awarded through a nationwide grants competition. CIG applications will be accepted from State or local units of government, Federally recognized Indian Tribes, nongovernmental organizations, and individuals.
- State grants (Less than \$75k)



## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

### **Conservation Innovation Grants - CIG**

- 50% matching from entity with 25% in kind allowed
- Evaluation Criteria:

Qualified applications will be scored by a peer review panel against the following criteria for proposal evaluation:

- Purpose and goals
- Soundness of approach or design
- Project management
- Transferability

## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

### Conservation Innovation Grants - CIG

- **Example:**

University of Maryland (MD, DE)

\$999,683.00

*Agricultural Drainage Ditch Water Treatment to Remove Nutrients and other Pollutants* - the use of a phosphorus absorbing material (PSM) filled structure placed within drainage ditches to act as a P “filter”. Such a P removal structure would allow the removal of P from the aquatic system when P saturated PSMs are removed from the structure.

# 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

## Conservation Innovation Grants - CIG

- **Example:**

University of Delaware/Office of the Vice Provost for Research (DE)

\$213,769.00

*Demonstrating Sustainable Integration of Value-Added Manure Products into 21st Century Farming* - evaluate pelletized broiler litter, dairy and equine composts as organic fertilizers on the 1,500 acre St. Andrew's School farm.

## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- **Implement a sound accountability system**
- by establishing environmental outcomes; tracking, monitoring, and assessing progress; ensuring that federally supported conservation measures are applied and maintained; and using science to adapt and improve the strategy to protect and restore the Chesapeake Bay watershed.



## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- **Implement a sound accountability system**
  - Chesapeake Bay Model is being used to track progress
  - Working to develop a methodology to directly send progress to model from NRCS database
  - Because of law limiting our ability to share spatial data working with USGS
  - Other tracking systems being developed



## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- **Implement a sound accountability system**
- Working with USGS on monitoring watersheds
- Showcase watersheds given priority
- Conservation Effects Assessment Project (CEAP)
  - The Conservation Effects Assessment Project (CEAP) began in 2003 as a multi-agency effort to quantify the environmental benefits of conservation practices used by private landowners participating in selected U.S. Department of Agriculture (USDA) conservation programs.



## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- **Launch a “shared federal leadership” commitment to support Ecosystem Markets in the Chesapeake Bay**
- by increasing coordination across Federal agencies to promote market development, and accelerating development and implementation of a Bay-wide market framework

## 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- **Other Points**

- This program is being managed at the Department level
- Focus on Maryland, Virginia, and Pennsylvania
- NRCS DE working closely with DNREC on BMP reporting to help with EPA directed load reductions

# 202 B Report - Focusing Resources to Restore and Protect the Chesapeake Bay and its Tributary Waters

- **Areas of Concern**
  - CBWI funding is for four years (2009-2012)
  - Decreased state cost share funding
  - 2008 Farm Bill payment limits for large operations
  - Lack of interest in establishing buffers
  - Capturing non- cost shared practices

# • Questions

## Non-Discrimination Statement

---

- "The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer."