

Governor Martin O'Malley's



**National Conference on
Ecosystem Restoration**

August 1, 2011

OLD GOVERNMENT TENETS

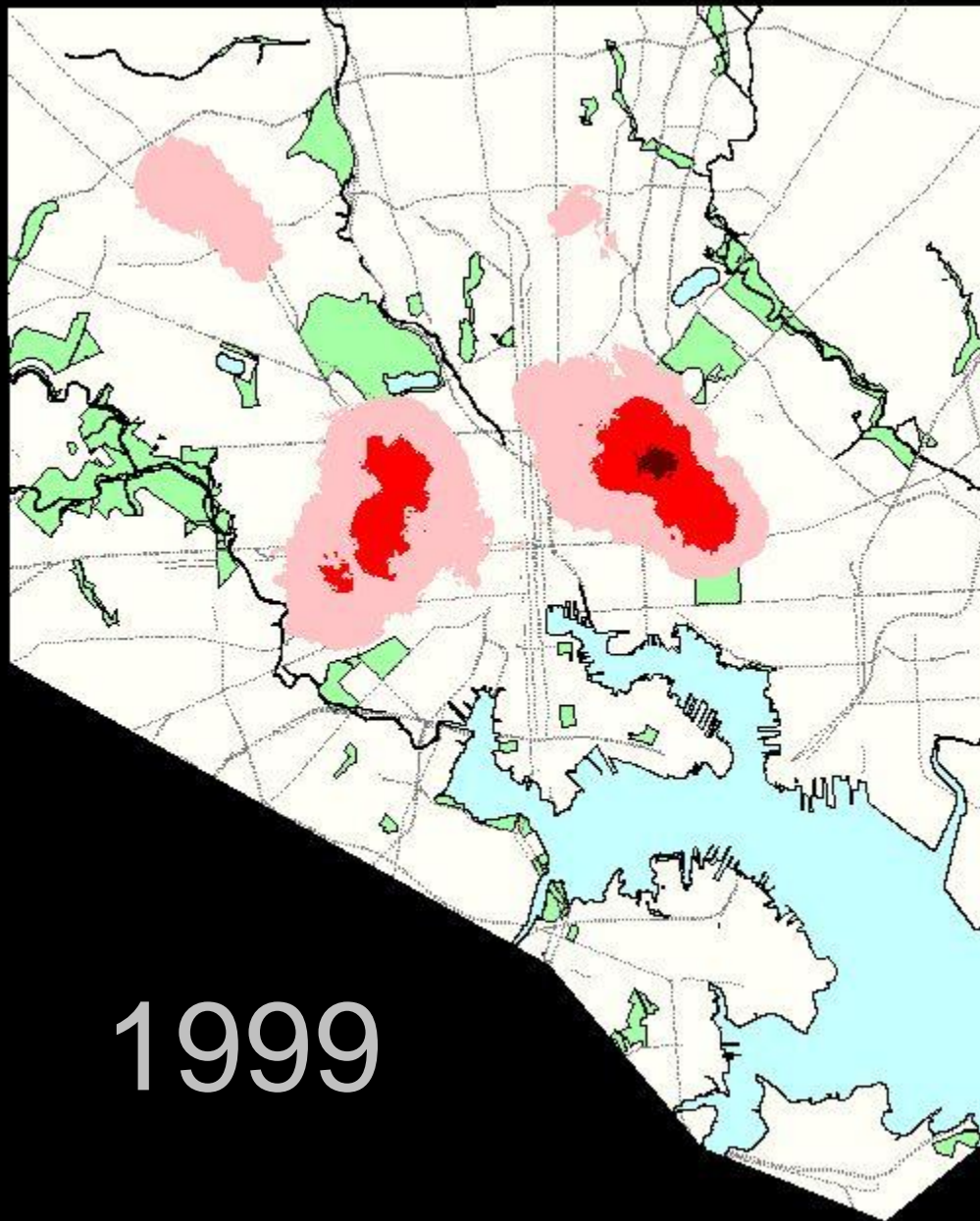
- If the Governor really wants to know, we can find out. But we'll have to pull all our people off their jobs. And it will take weeks.
- We'll get to that as soon as we can, but it will take a few months because our budget was cut last year.
- That's the way we've always done it / We're already doing that / We tried that and it didn't work.
- I hope the legislature forgets about this before next year's budget hearing.

STAT TENETS

- Timely and Accurate intelligence shared by all
- Rapid deployment of resources
- Effective tactics and strategies
- Relentless follow-up and assessment

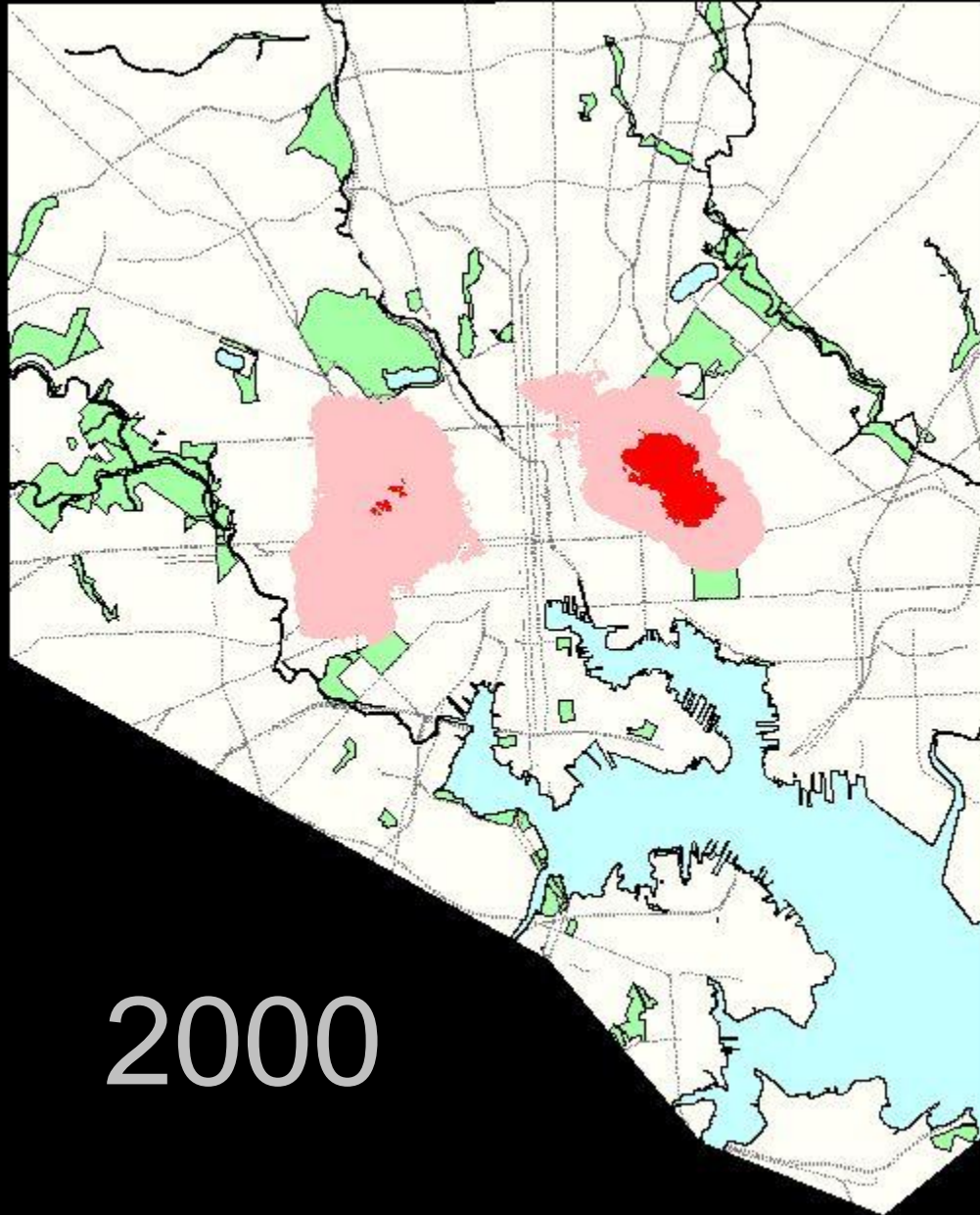


Baltimore Homicides & Shootings



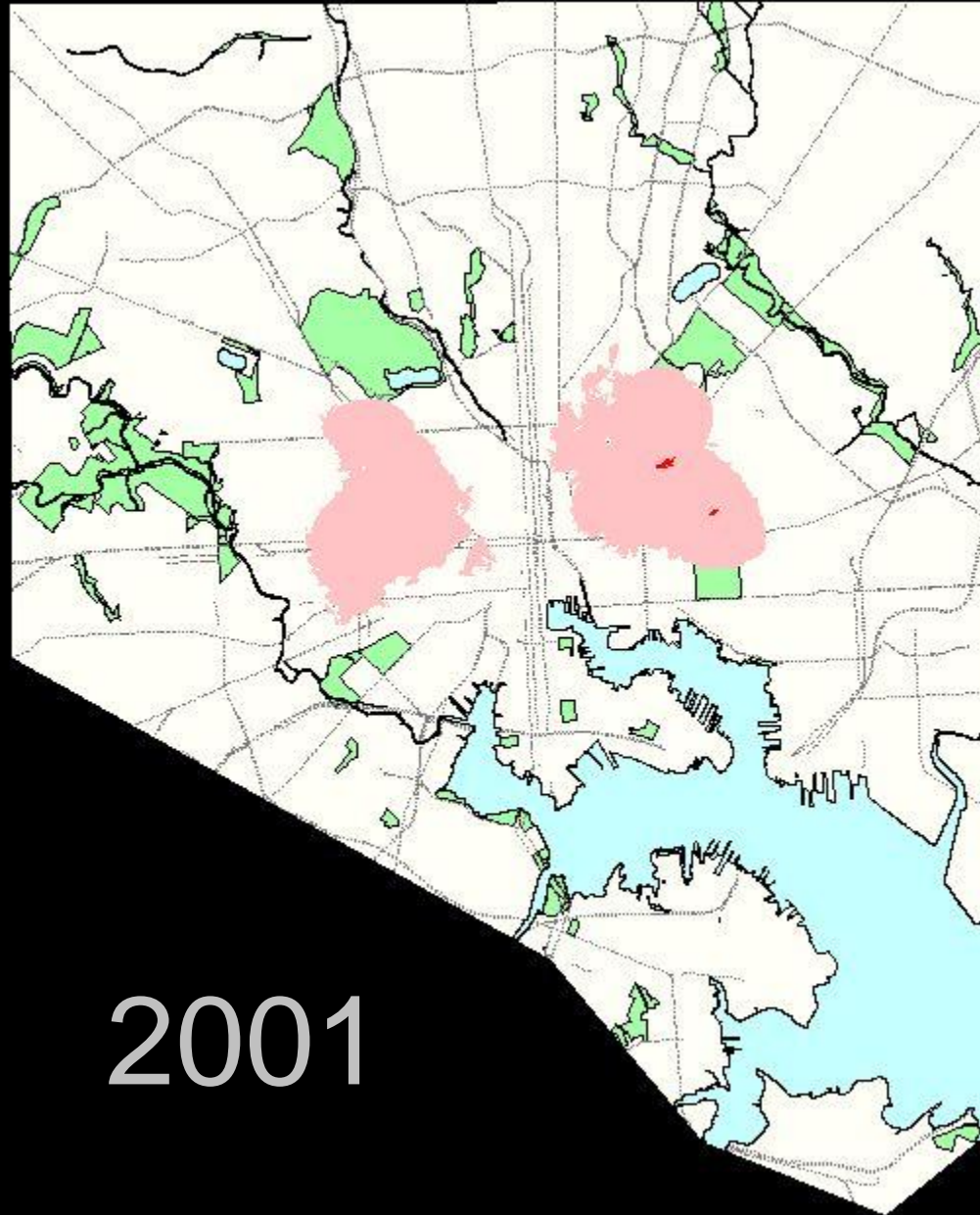
1999

Baltimore Homicides & Shootings



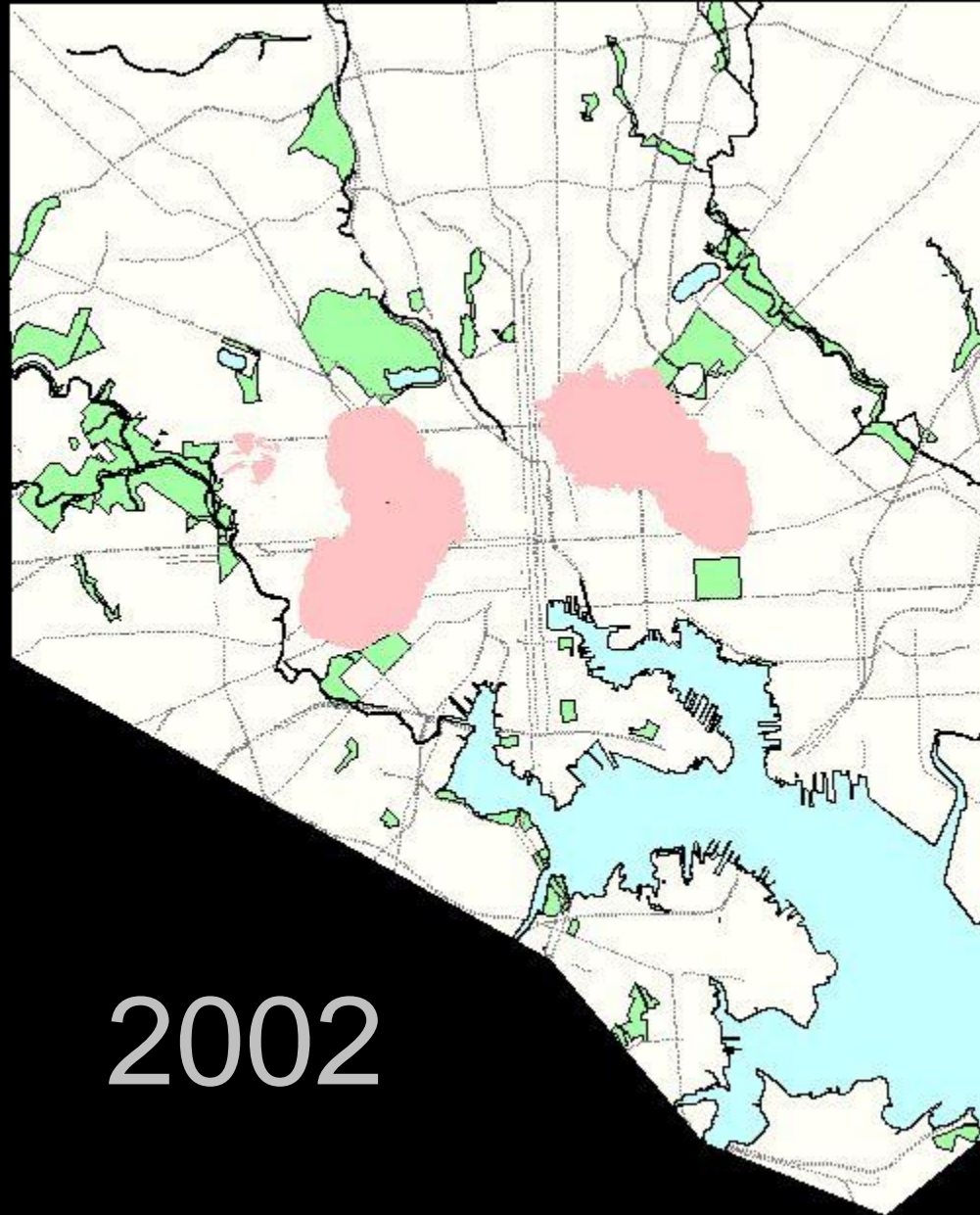
2000

Baltimore Homicides & Shootings



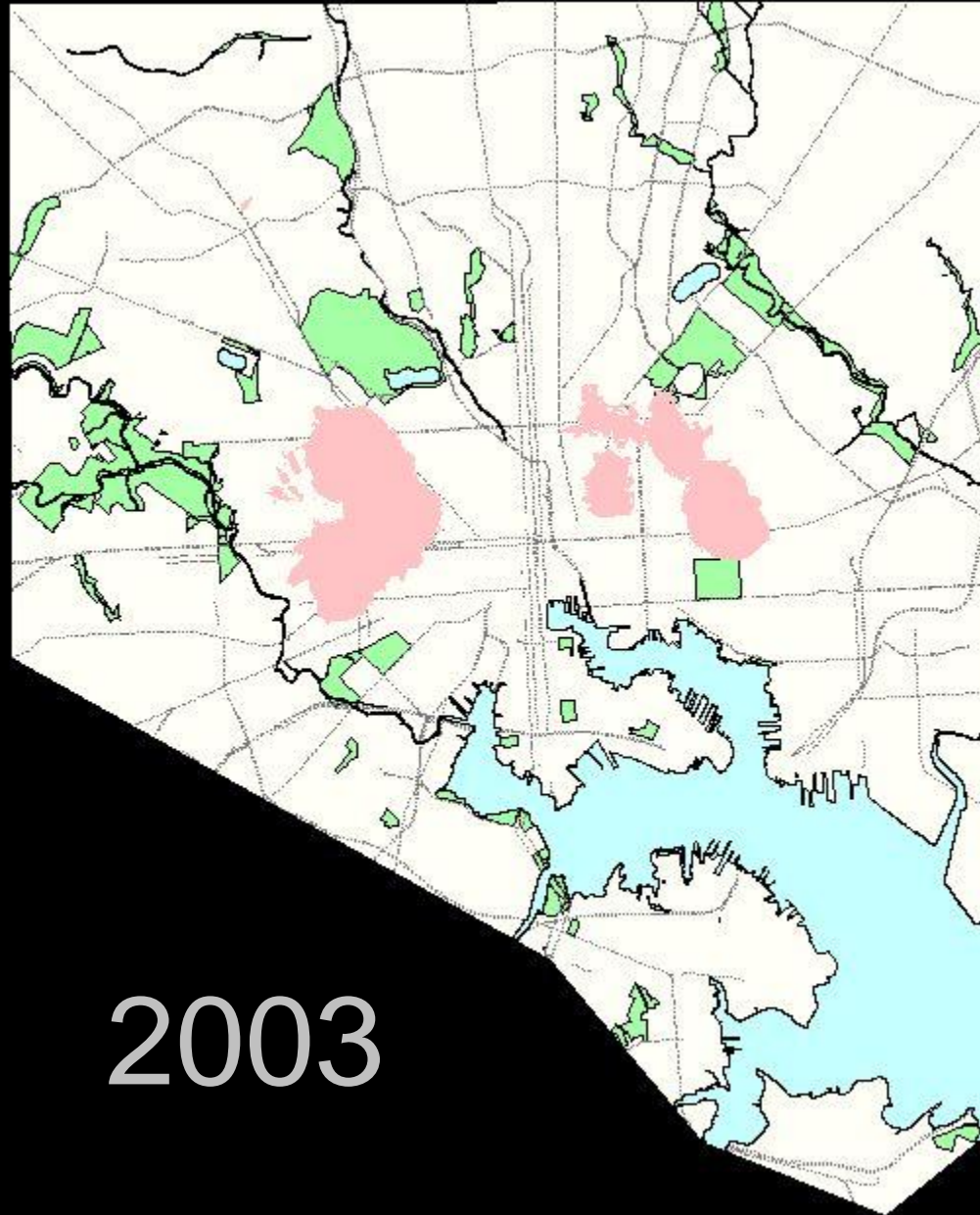
2001

Baltimore Homicides & Shootings



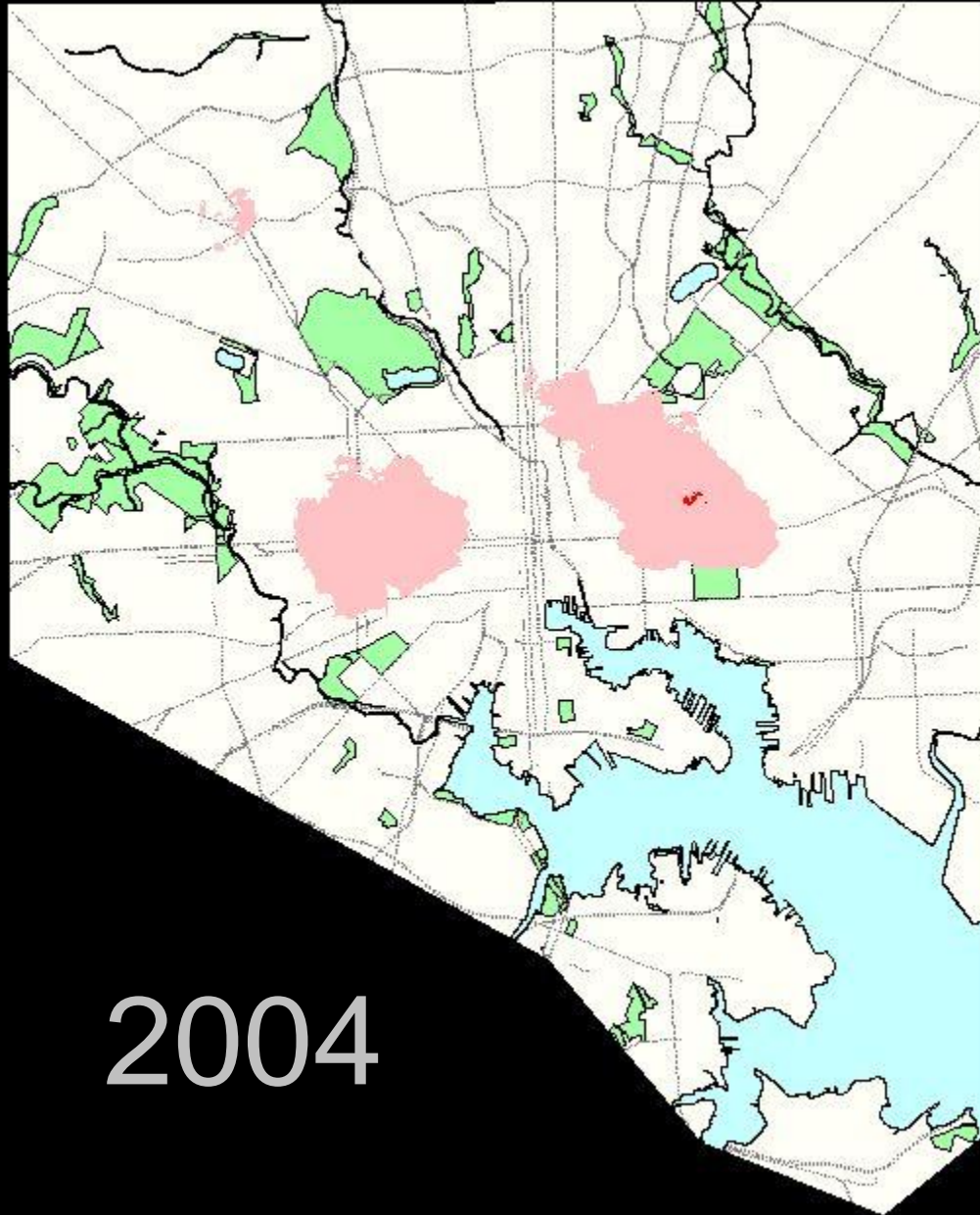
2002

Baltimore Homicides & Shootings

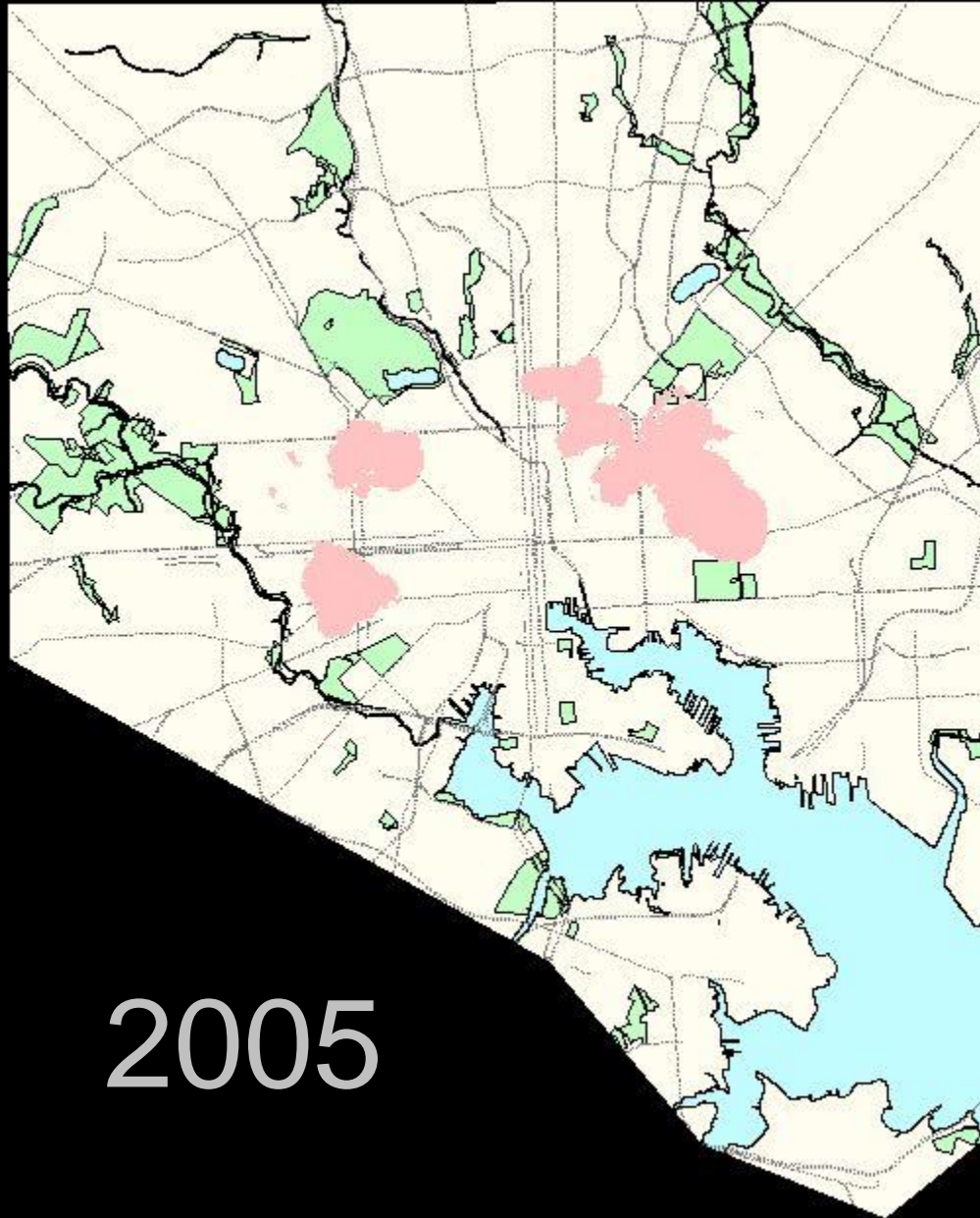


2003

Baltimore Homicides & Shootings



Baltimore Homicides & Shootings



2005



BAYSTAT



Email Friend print page

- SG&G
- GREENPRINT
- AGPRINT
- GROWTHPRINT
- TREES
- OYSTERS
- STREAMHEALTH
- BAYSTAT**

Current Health

Causes of the Problems

Solutions

Trust Fund

Tributary Teams

GET INVOLVED

Welcome

How to Navigate Site

A Message from the Governor

Executive Order (pdf)

Fact Sheet (pdf)

BayStat and Land Conservation

Oysters

News

FREE Email Newsletter

PARTICIPANTS

- Office of the Governor



Governor Martin O'Malley
Lt. Governor Anthony G. Brown



Governor Martin O'Malley



Current Health



Causes of the Problems



Solutions

Governor Martin O'Malley Announces 2011 Blue Crab Winter Dredge Survey Results

Governor Martin O'Malley announced that the Chesapeake Bay's blue crab population is at its second highest level since 1997 and well above the target for the third year in a row, setting the stage for a Bay-wide recovery. The results of the 2011 Blue Crab Winter Dredge Survey indicate that management measures put into place in 2008 are continuing to pay dividends for the crab population, the industry, recreational crabbers and those who just plain enjoy the Bay's favorite crustacean. Joined by stakeholders, elected officials and staff, Governor O'Malley made the announcement from the deck of Mike's Crab House near Annapolis, overlooking the South River. [Read more...](#)

Maryland's Role in the Chesapeake Bay TMDL

The State of Maryland submitted its [Final Phase I Watershed Implementation Plan](#) to the Environmental Protection Agency on December 3, 2010. This Plan was developed by the Maryland Departments of the Environment, Natural Resources, Agriculture, and Planning, using the State's

[video transcript](#)

BayStat in the News

4/19/11 - Governor Martin O'Malley Announces 2011 Blue Crab Winter Dredge Survey Results - [DNR](#)

3/23/11 - Somers Cove Gets \$60K Grant - [DelmarvaNOW.com](#)

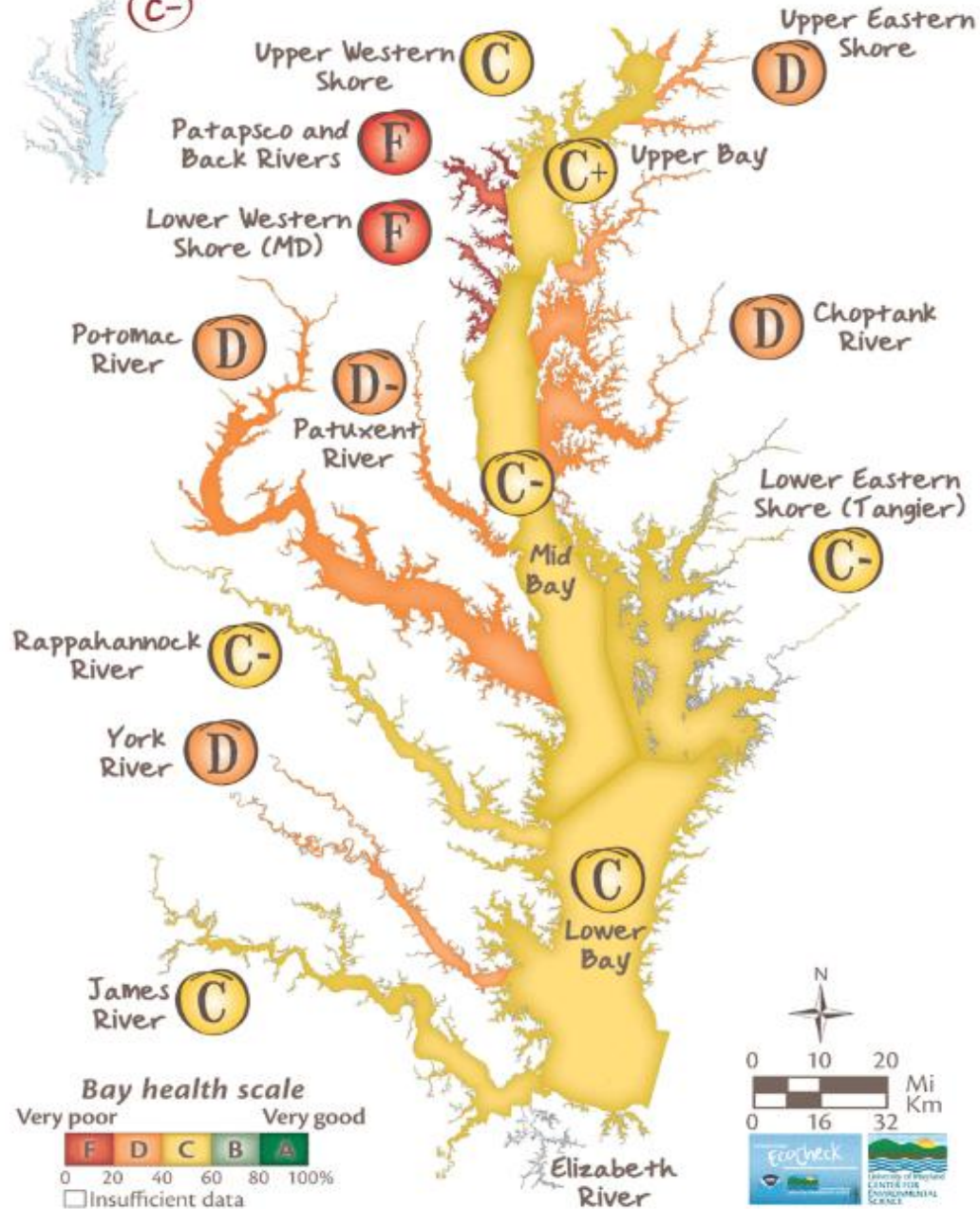
3/14/11 - Citizen Oyster Growers And DNR Meet To Plan Marylanders Grow Oysters Program For 2011 - [DNR](#)

2/16/11 - O'Malley, Environmentalists Make Argument For Septic Ban - [Southern Maryland News](#)

Bay Health Index 2010

Overall score:

C-



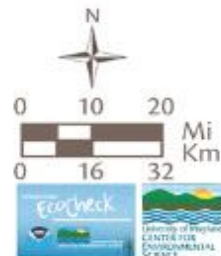
Bay health scale

Very poor Very good



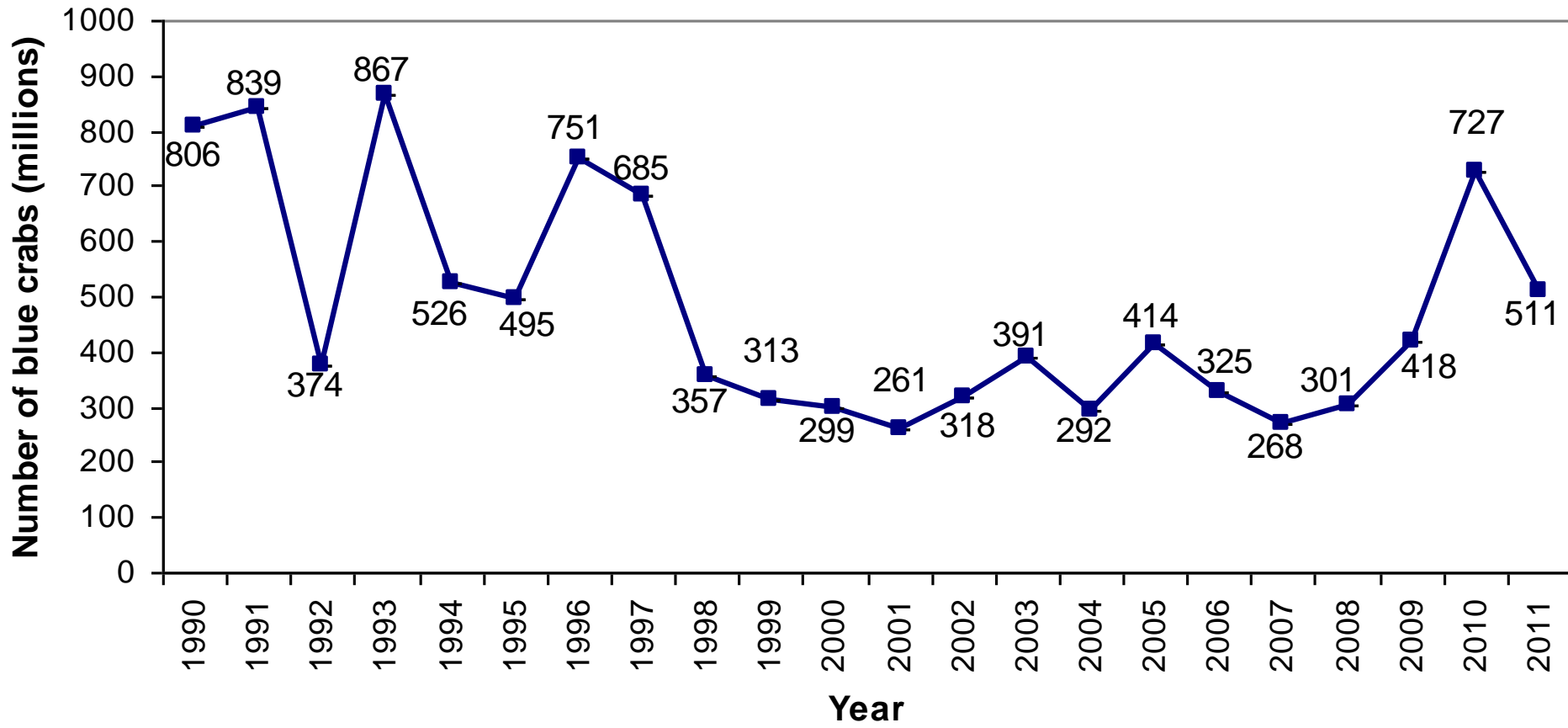
0 20 40 60 80 100%

□ Insufficient data



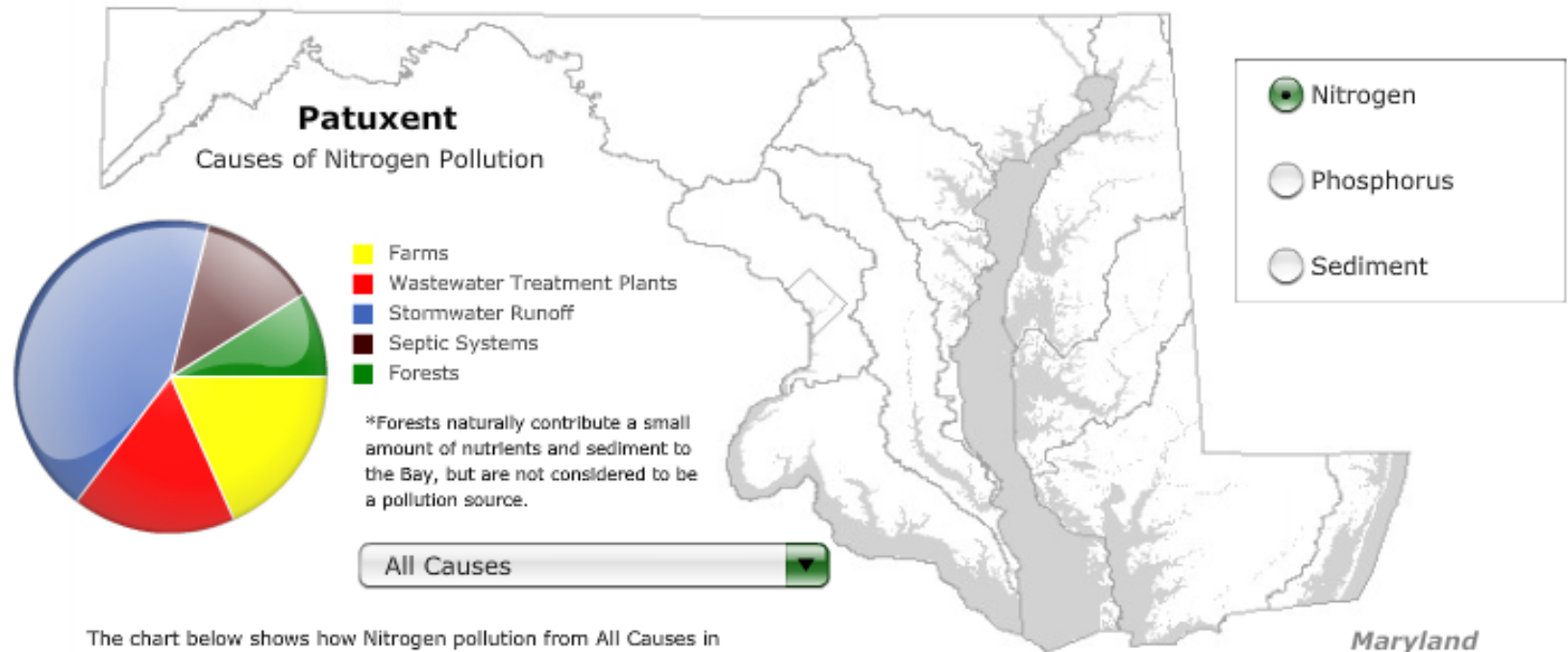
Blue Crab Population

Estimated over-wintering abundance of blue crabs in Chesapeake Bay.



Estimate is based on data from the Baywide winter dredge survey conducted by MDNR and VIMS.

Causes of the Problems



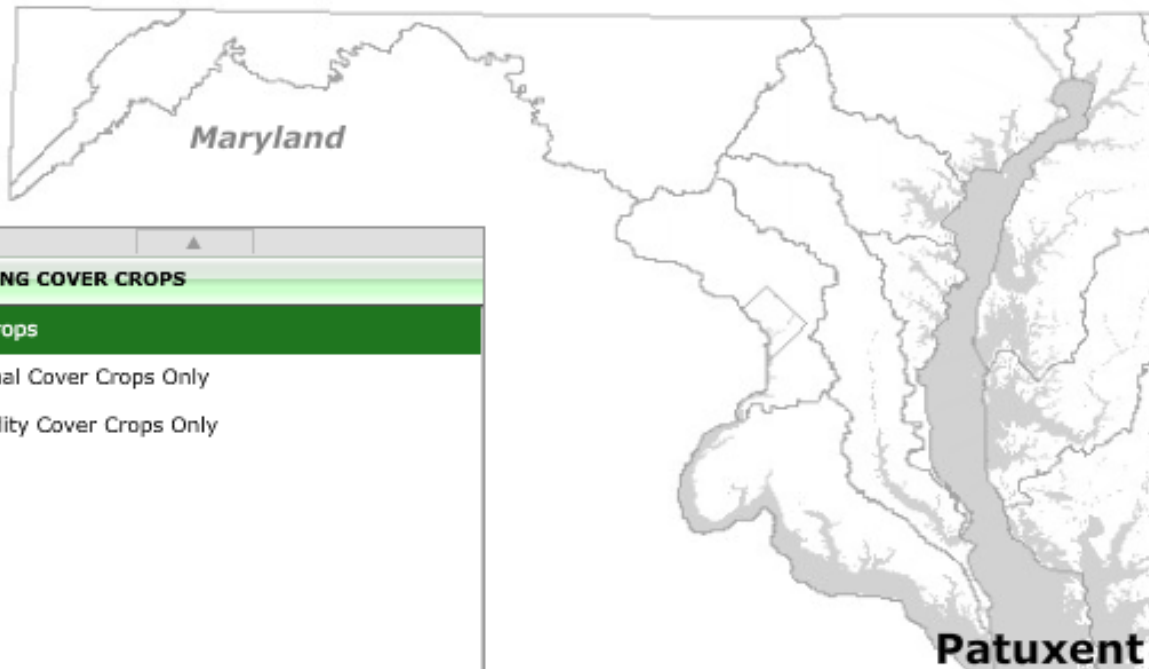
The chart below shows how Nitrogen pollution from All Causes in Patuxent has changed over time.



Nitrogen pollution fuels the growth of algae, creating dense, harmful algae blooms that rob the Chesapeake Bay's aquatic life of needed sunlight and oxygen. Sources of nitrogen pollution include air pollution from vehicles, coal-burning power plants and industry; fertilizers from farmfields, lawns and golf courses; wastewater from industrial facilities, sewage treatment plants and septic systems; and animal manure from farms.

● Tributary Strategies Goal ● Nitrogen Pollution Over Time

Please note that this information is based on the EPA Phase 4.3 Watershed Model. Maryland's TMDL and the Watershed Implementation Plan are supported by a new model that is nearing completion.



[Click here for more information about Cover Crops - Total.](#)

PLANTING COVER CROPS

Cover Crops

- Traditional Cover Crops Only
- Commodity Cover Crops Only

REDUCING POLLUTION FROM URBAN AREAS

IMPLEMENTING BEST FARMING PRACTICES

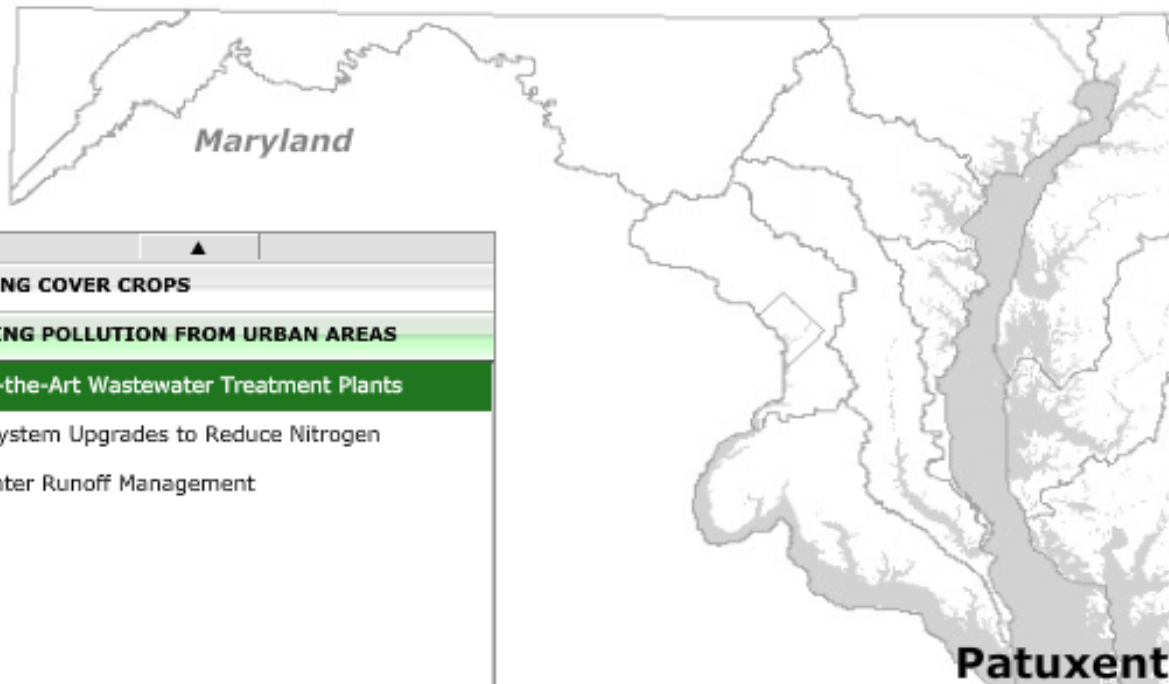
RESTORING NATURAL FILTERS

CONSERVING HIGH PRIORITY LANDS

NOTE: For each category above, the most effective solutions are listed in order of greatest impact.

Includes both traditional and commodity cover crops. Maryland began tracking commodity cover crops in 2007.





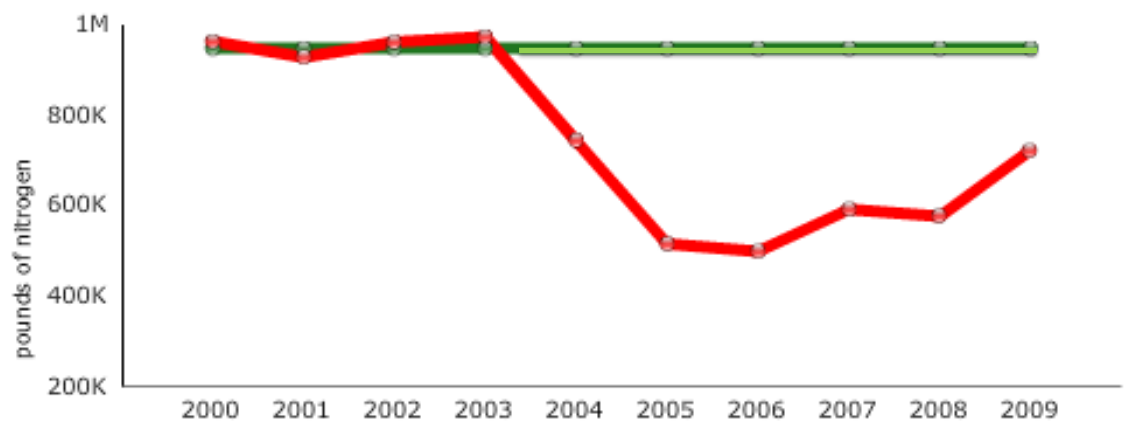
[Click here for more information about State-of-the-Art Wastewater Treatment Plants .](#)

▲
PLANTING COVER CROPS
REDUCING POLLUTION FROM URBAN AREAS
State-of-the-Art Wastewater Treatment Plants
Septic System Upgrades to Reduce Nitrogen
Stormwater Runoff Management
▼
IMPLEMENTING BEST FARMING PRACTICES
RESTORING NATURAL FILTERS
CONSERVING HIGH PRIORITY LANDS

NOTE: For each category above, the most effective solutions are listed in order of greatest impact.

Progress is shown on this graph differently than for all of the other solutions. The goal is to move the nitrogen discharges down to or below the green goal line. The speedometer represents the current percent progress toward the goal since 2000.

State-of-the-Art Wastewater Treatment Plants



● 2-Year Milestone Goal ● Tributary Strategy Goal ● Implementation Record

Maryland's Bay Restoration Plans: 2-Year Milestones

Maryland can only restore the health of the Bay by implementing proven solutions called Best Management Practices (BMPs) on the most lands. For each category below, the most effective BMPs are listed in order of greatest impact.

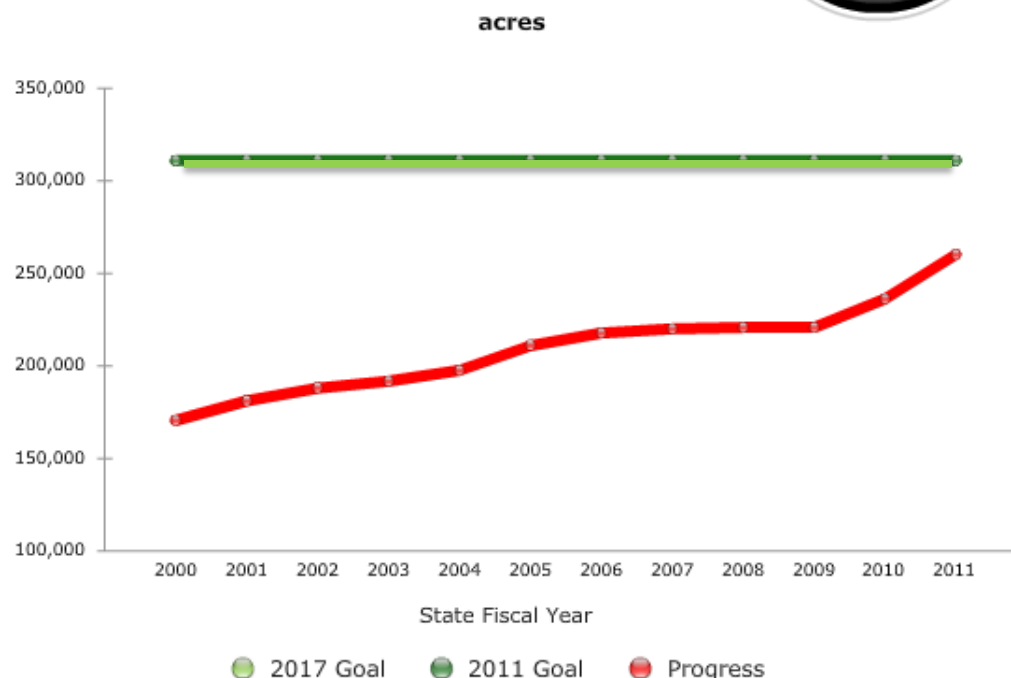
Last Update: June 10, 2011

**Stormwater Runoff
2-Year Milestone Progress
(2009-2011)**

▲
Farms: Natural Filters
Reducing Pollution from Urban Areas
Wastewater Treatment Plants ENR
Urban Nutrient Management Regulations
MD Healthy Air Act
Blue Plains BNR Upgrade
Stormwater Runoff Management Retrofits
Septic Retrofits Inside of Critical Area
Septic Retrofits Outside of Critical Area
Septic Hookups to WWTPs
Restoring Natural Filters on Public Lands
Conserving High Priority Lands
▼

Reducing Pollution from Urban Areas Stormwater Runoff Management Retrofits

An estimated 90,000 acres of watershed will be restored by 2011 as Maryland's large jurisdictions work to meet the recently-tightened requirements of municipal stormwater permits.



Total Allocations in Maryland

Map Last Updated: 7/1/11

Overall Stimulus Health Family Safety Net Education Transportation Energy Housing **Environment** Workforce Public Safety Other



Find an Address:

GO

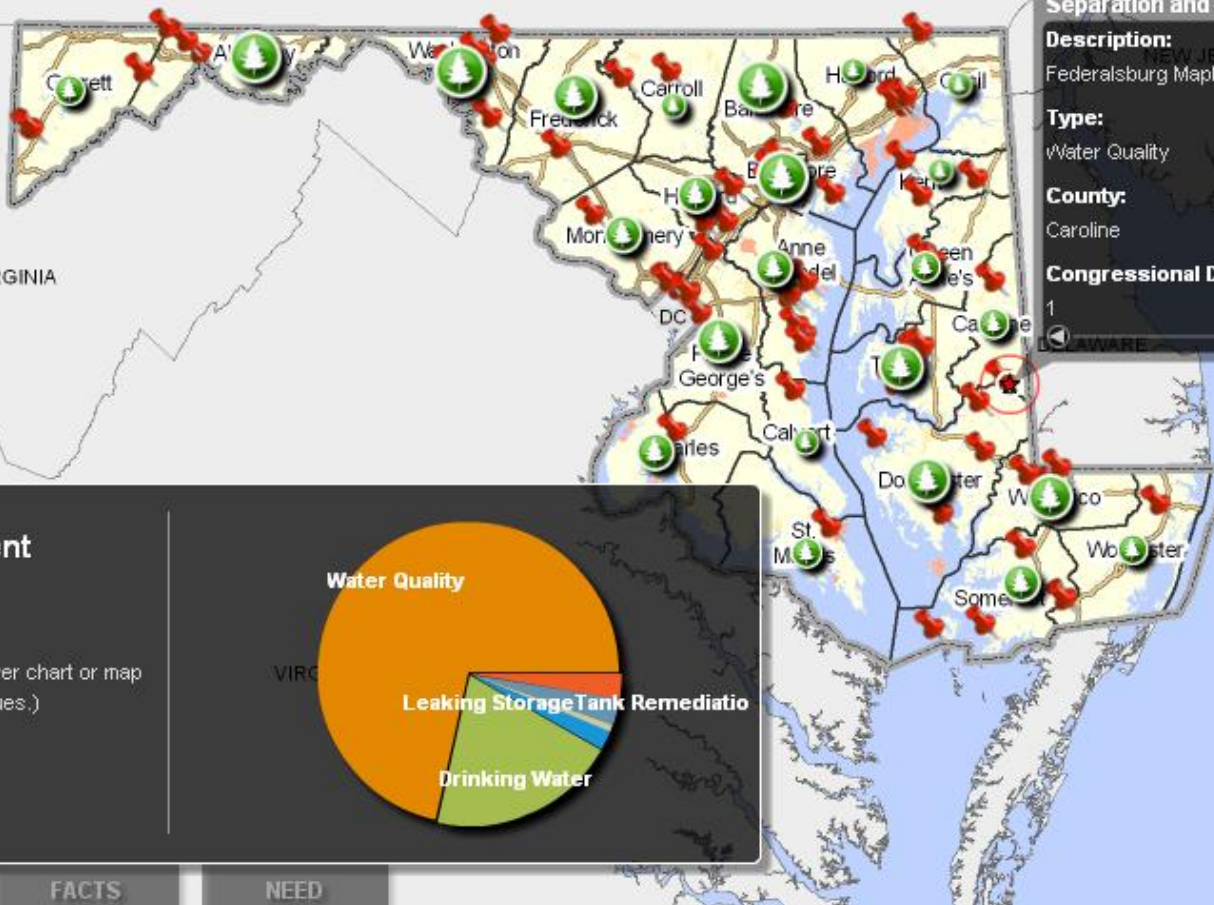
FULL VIEW

Show Individual Projects on Map

Help



WEST VIRGINIA



Federalsburg Maple Ave Combined Sewer Separation and Stormwater Management:

Description:

Federalsburg Maple Ave Combined Sewer Separation ar

Type:

Water Quality

County:

Caroline

Congressional District:

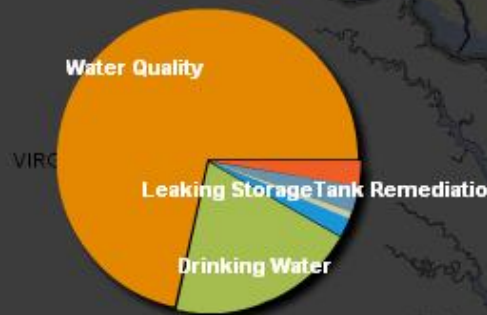
1



Environment

[Statewide]

(Hover mouse over chart or map for individual values.)



ALLOCATED

FACTS

NEED



AGPRINT

Email Friend print page

- SG&G
- GREENPRINT
- AGPRINT**
- GROWTHPRINT
- TREES
- OYSTERS
- STREAMS
- BAYSTAT

[AgPrint Main](#)

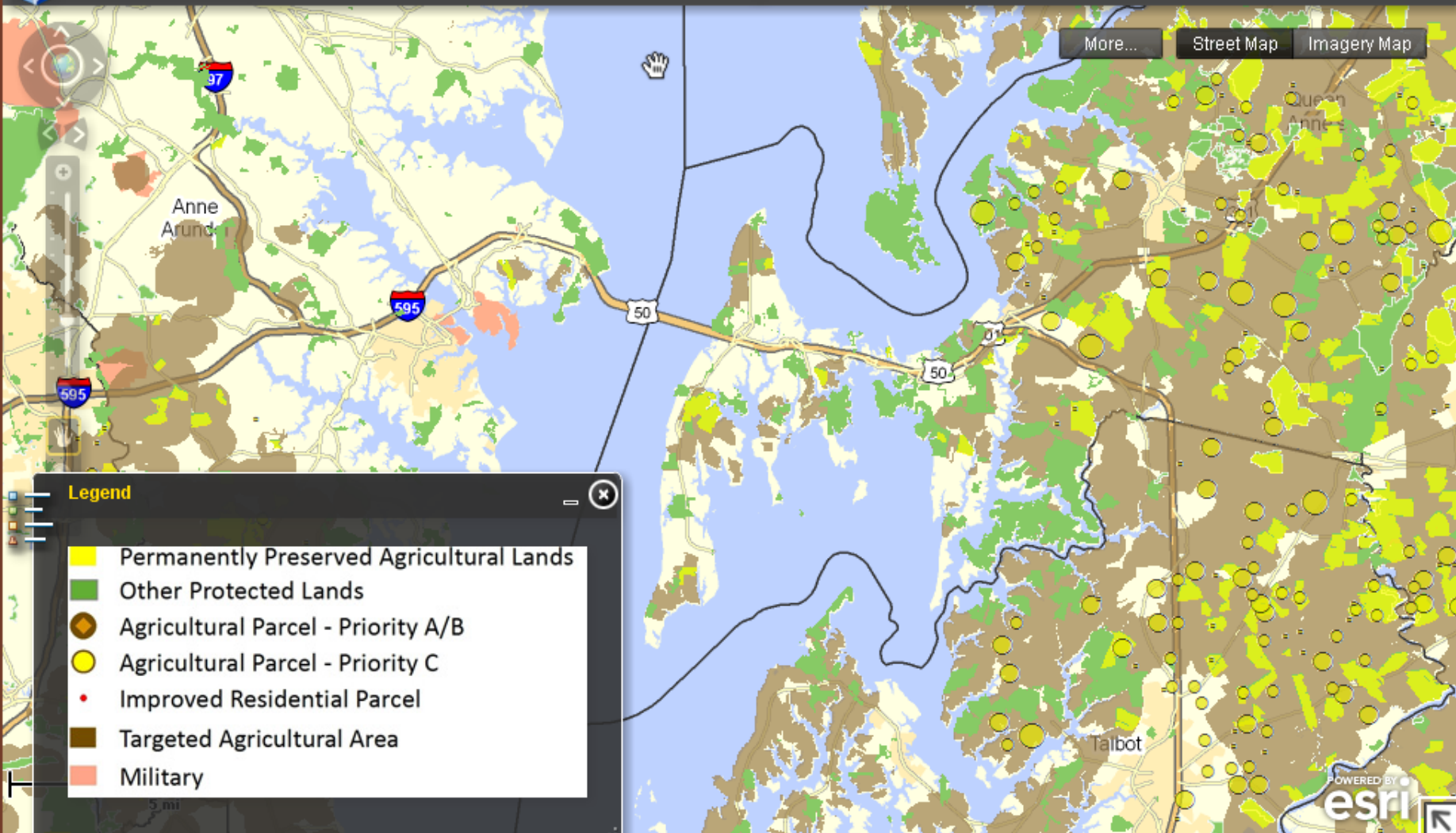
MD iMap Viewer

One Maryland One Map



[About](#)

- More...
- Street Map
- Imagery Map



Legend

- Permanently Preserved Agricultural Lands
- Other Protected Lands
- Agricultural Parcel - Priority A/B
- Agricultural Parcel - Priority C
- Improved Residential Parcel
- Targeted Agricultural Area
- Military



Address:

Go

Select a County: State of Maryland

Info

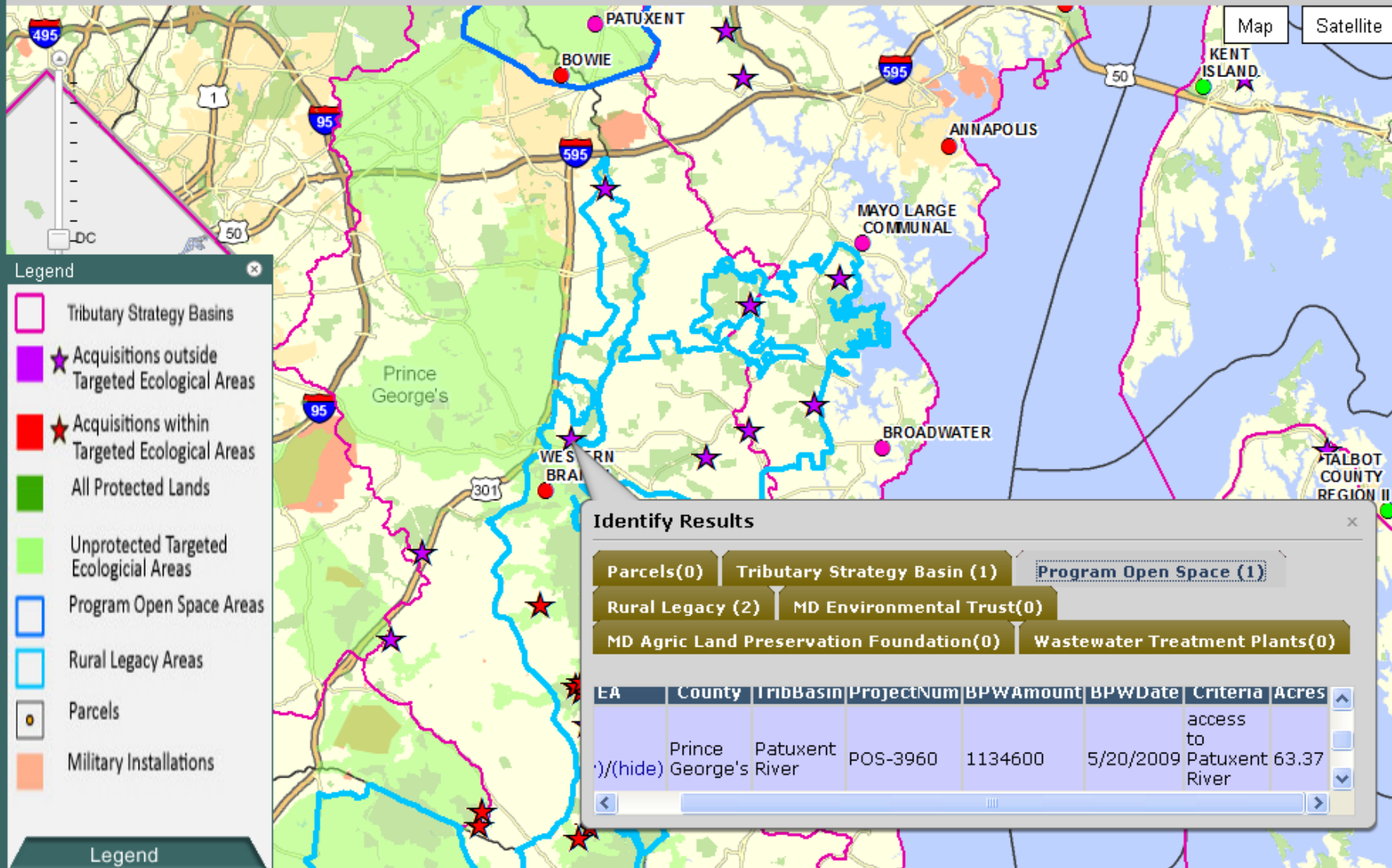
Select Layers

(Street Address, Zip)

zoom in zoom out pan

Map

Satellite



Legend

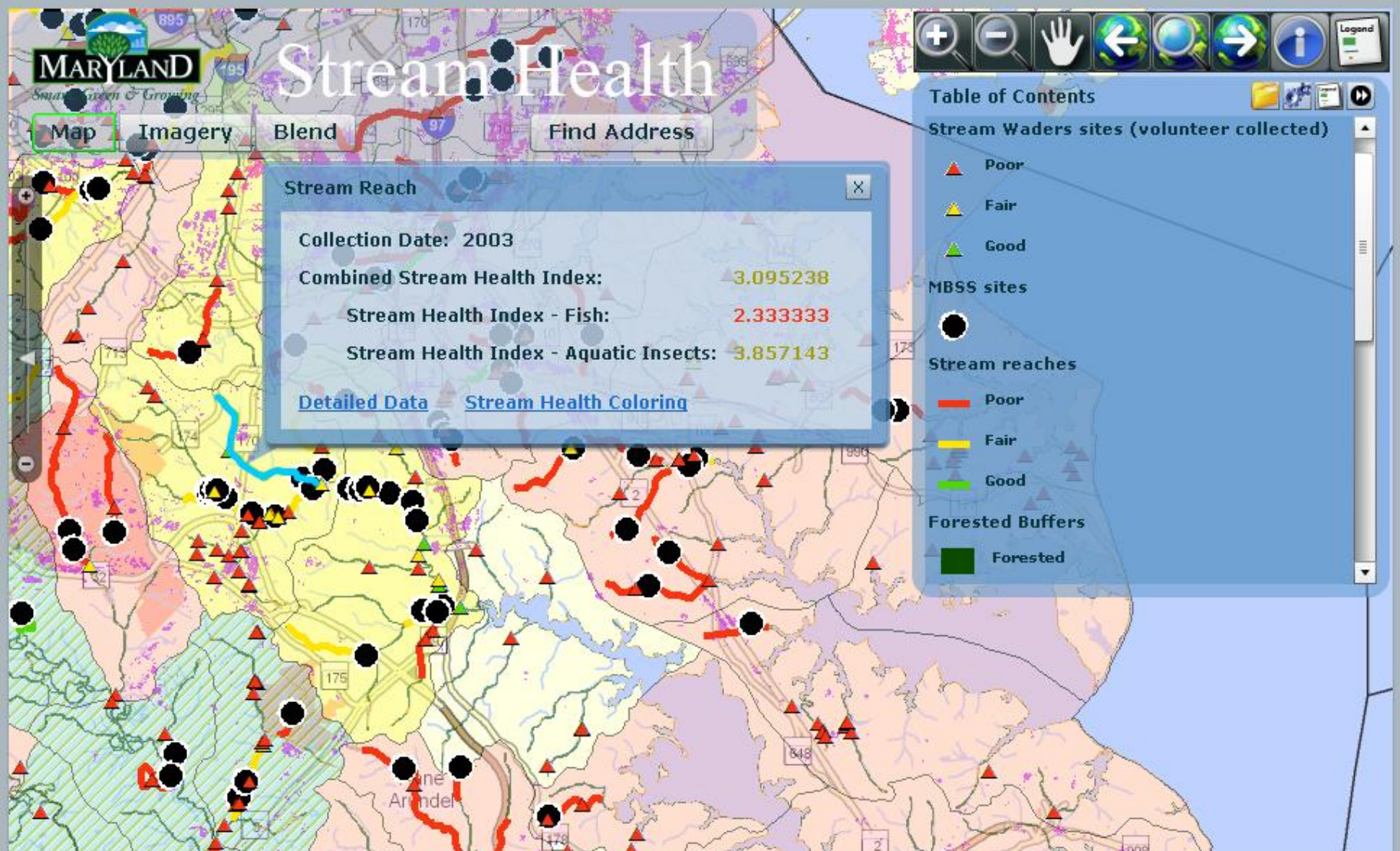
-  Tributary Strategy Basins
-  Acquisitions outside Targeted Ecological Areas
-  Acquisitions within Targeted Ecological Areas
-  All Protected Lands
-  Unprotected Targeted Ecological Areas
-  Program Open Space Areas
-  Rural Legacy Areas
-  Parcels
-  Military Installations

Identify Results

- Parcels(0) Tributary Strategy Basin (1) Program Open Space (1)
- Rural Legacy (2) MD Environmental Trust(0)
- MD Agric Land Preservation Foundation(0) Wastewater Treatment Plants(0)

EA	County	TribBasin	ProjectNum	BPWAmount	BPWDate	Criteria	Acres
(hide)	Prince George's	Patuxent River	POS-3960	1134600	5/20/2009	access to Patuxent River	63.37

StreamHealth



MARYLAND
Smart, Green & Growing

Map Imagery Blend Find Address

Stream Reach

Collection Date: 2003

Combined Stream Health Index: **3.095238**

Stream Health Index - Fish: **2.333333**

Stream Health Index - Aquatic Insects: **3.857143**

[Detailed Data](#) [Stream Health Coloring](#)

Table of Contents

Stream Waders sites (volunteer collected)

- Poor
- Fair
- Good

MBSS sites

-

Stream reaches

- Poor
- Fair
- Good

Forested Buffers

- Forested



ENERGY MARYLAND MAP

Projects

About

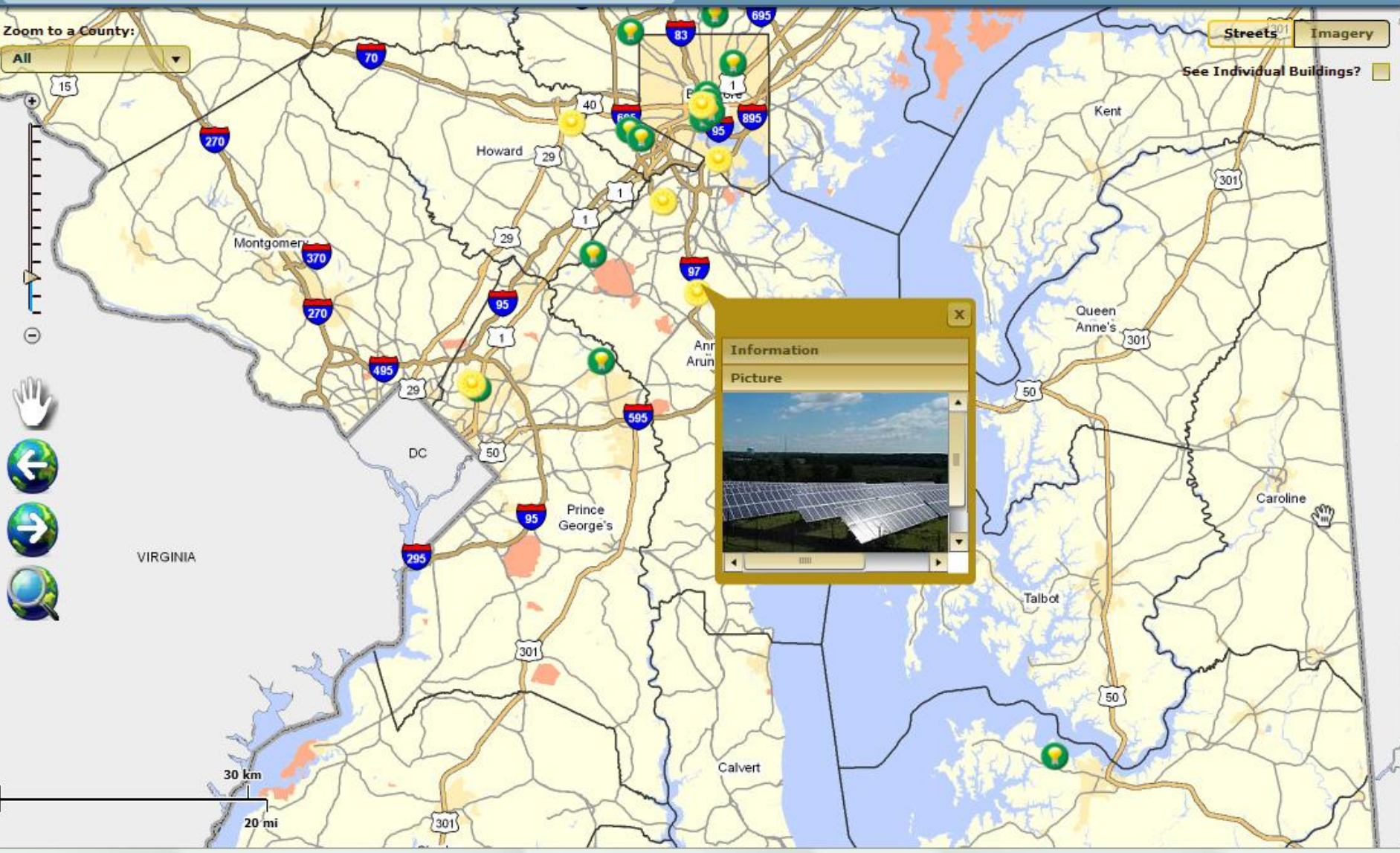
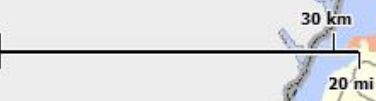
Zoom to a County:

All

Streets

Imagery

See Individual Buildings?

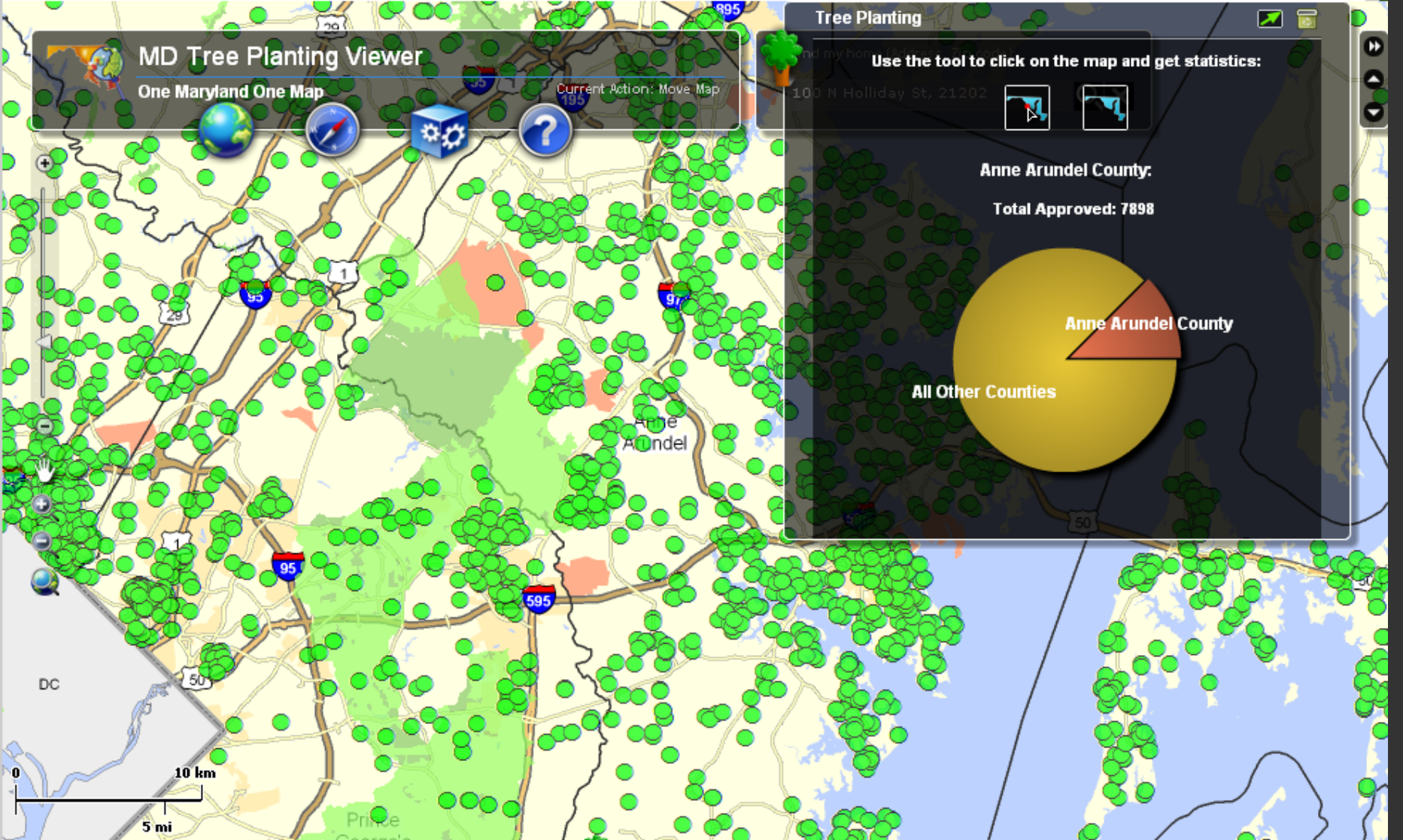


Information

Picture

Navigation arrows and a close button (X) are visible at the bottom of the information window.

Marylanders Plant Trees





**STATE
STAT**

MARYLAND

Governor Martin O'Malley