



Office of Water Management

# Chesapeake Bay Program Update

Steven Wm. Taglang

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Bucknell University

# Bay WIP Updates

- Capital RC&D Tillage Survey
- PENNVEST Funds – Since April 2011, \$13+ million in grants and loans have been awarded for agricultural pollution reductions
- NRCS Efforts – 7 new District staff w/ SWAT Agreements; \$14.3 million CBWI projects in 2012

## Bay WIP Updates

- CBRAP Conservation District Staff – NM Techs
  - New Delegation Agreements Address Manure Management
- CBRAP DEP Staff – 407 Ag inspections; 217 Ag compliance actions; \$74,000 in fines
- CBRAP DEP Staff - Targeted Watershed Approach
- CBRAP DEP Staff – CAFO GP / CAFO Standard Operating Procedures

# Targeted Watershed Approach

- Soft Run – Mifflin County
- Why Soft Run?
  - Extensive outreach and education by the Mifflin District
  - 319 WIP completed and approved
- Inspections at 19 farms September and October 2012
- Follow-up inspections at 6 farms January/February
- 2 farms in violation issued Field Orders

# Chesapeake Bay Implementation Grant - BMPs

- Special Projects
  - For 2012, \$751,265 in special project grants.
  - For 2013, about \$800,000 in special project grants.
- Priority watersheds are based on EPA priority watersheds
- Priority practices include:
  - stream bank restoration/riparian buffers;
  - fencing;
  - manure storages/barnyard practices;
  - cover crops/no-till;
  - nutrient management/E&S plans.

# Chesapeake Bay Implementation Grant - Staff

- 2013-14 Bay Technicians & Engineers
  - Requires Site Visits Priority
  - Requires Ag Complaint Response Policy
- Site Visits / Education / Outreach
  - Manure Management Manual Mini-grants
  - 6,244 site visits by December 2012
  - Statewide Mailing of ***Am I in Compliance*** brochure
  - Ag Ombudsman and Penn State Assistance

# Chesapeake Bay Implementation Grant - Staff

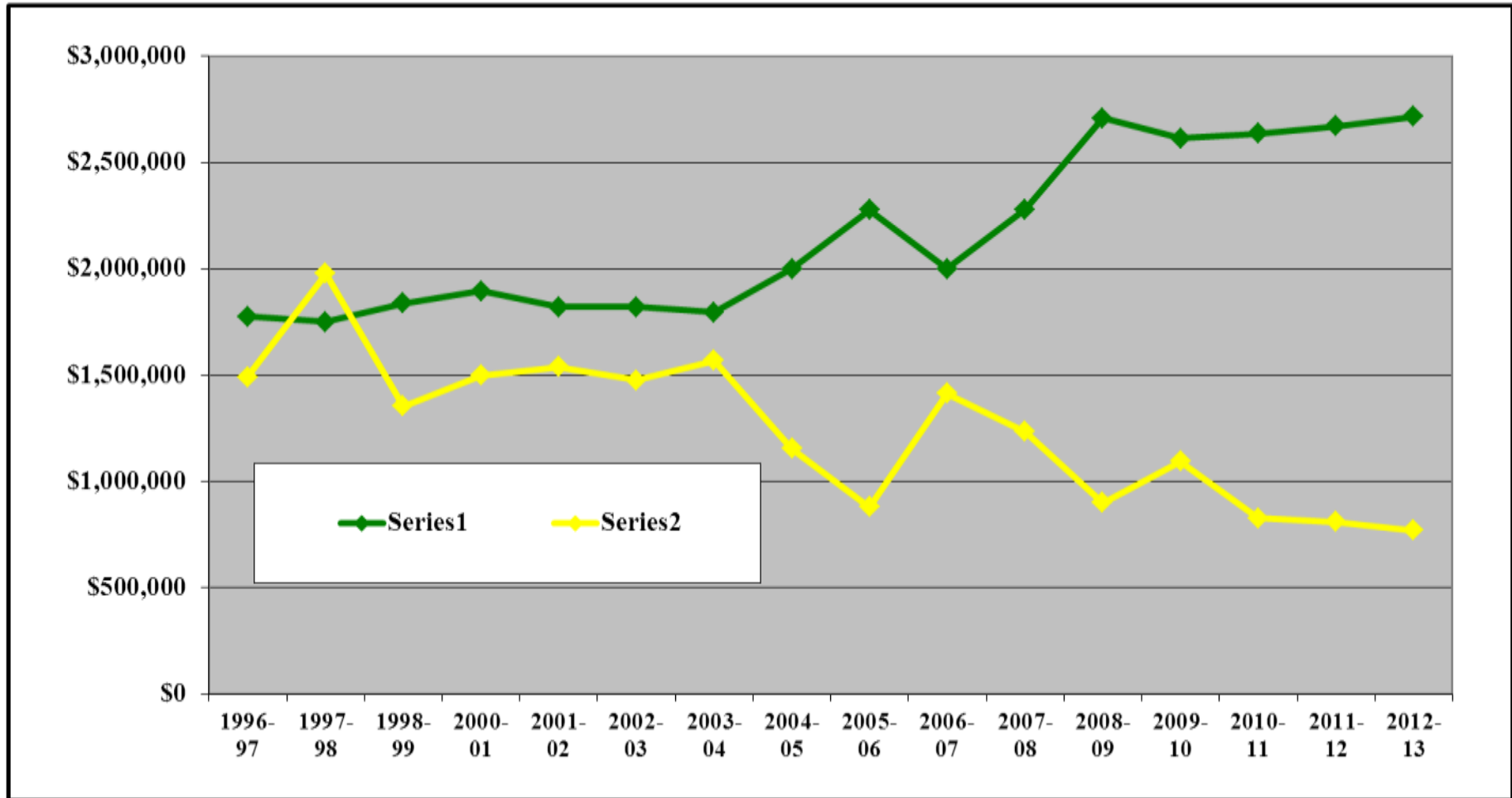
- 2013-14 Bay Technicians & Engineers
  - Requires Site Visits Priority
  - Requires Ag Complaint Response Policy
- Ag Complaint Response Policy
  - Public Process
  - Approved September SCC meeting
  - Required for 2013-14 Bay Tech Funding
  - Received 18 for review (so far)

# 2012-13 Chesapeake Bay Implementation Grant

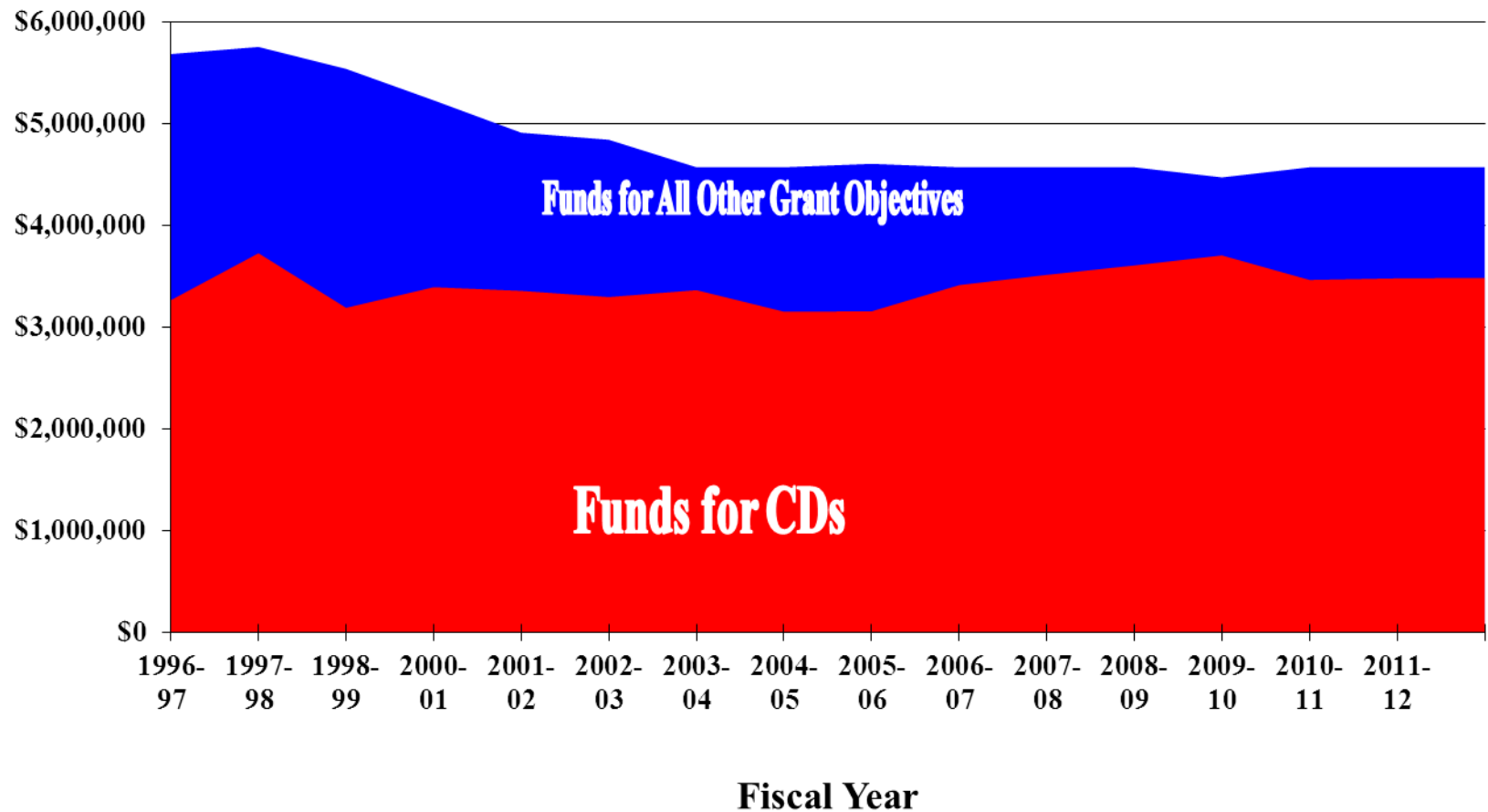
<u>Objective</u>	<u>Federal</u>	<u>State</u>	<u>Total Budget</u>
Program Management	\$ 0	\$ 850,200	\$ 850,200
TMDL Development (SRBC)	\$ 205,500		\$ 205,500
Chesapeake Bay Education Office (PACD)	\$ 32,200		\$ 32,200
Technical Assistance: Conservation District Technicians and Engineers	\$ 1,279,545	\$ 1,436,800	\$ 2,716,345
BMP Implementation: Conservation District Projects, DEP Stream Bank Fencing/BMPs	\$ 769,755		\$ 769,755
<b>TOTAL</b>	<b>\$ 2,287,000</b>	<b>\$ 2,287,000</b>	<b>\$ 4,574,000</b>



# 2012-13 Chesapeake Bay Implementation Grant



# 2012-13 Chesapeake Bay Implementation Grant



# Financial Assistance

## Improved Stream Crossing



Before



After

# Financial Assistance

## Stream Bank Fencing & 35 Foot Buffer



Before



After

# Financial Assistance

## Barnyard Improvements

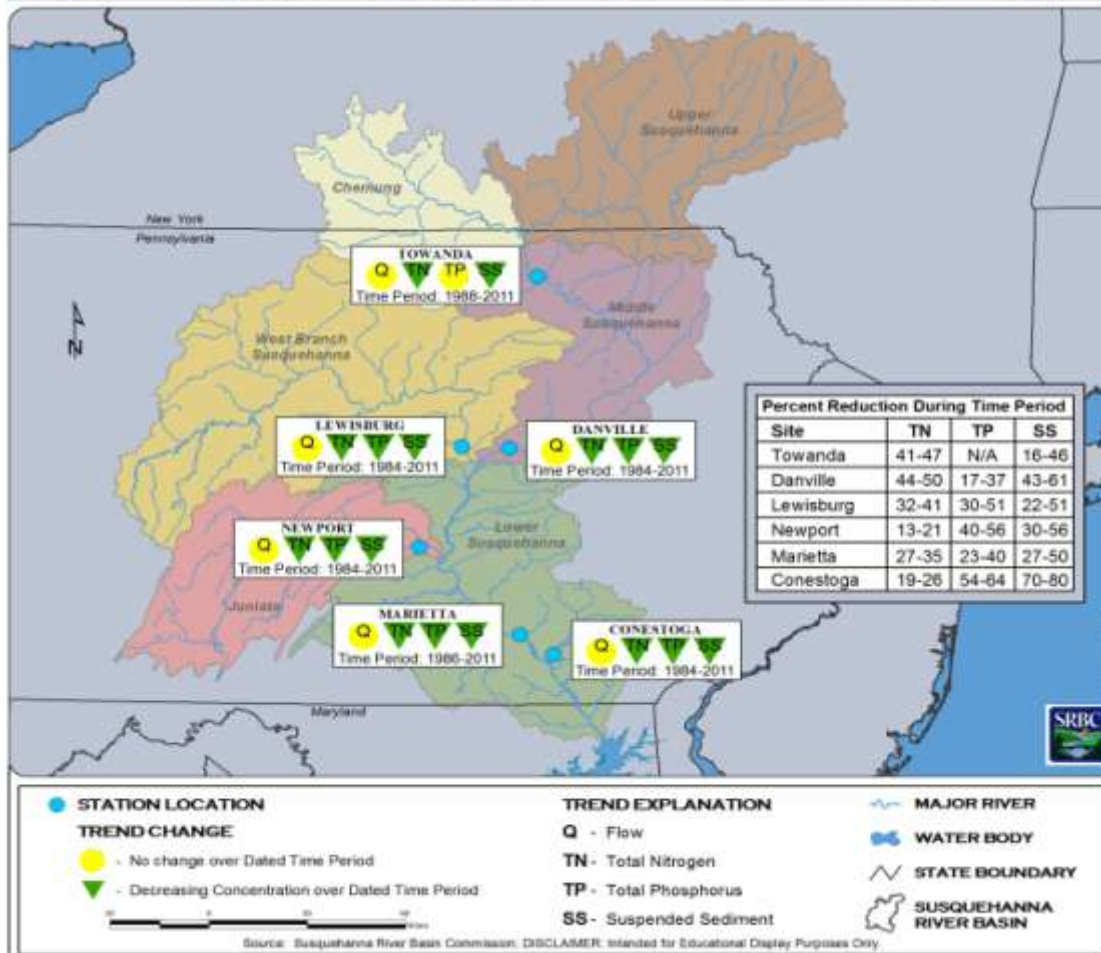


Before



After

## Susquehanna River Basin Commission FLOW-ADJUSTED CONCENTRATION TRENDS THROUGH 2011





**pennsylvania**

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Office of Water Management



## Contact Information:

**Steven Wm. Taglang**

Conservation Division

PA Department of Environmental Protection

PO Box 8555

Harrisburg, PA 17105

[staglang@pa.gov](mailto:staglang@pa.gov)

[www.depweb.state.pa.us](http://www.depweb.state.pa.us)