



Office of Water Management

PA DEP Update

“All Bay Meeting”
Steven Wm. Taglang
February 10, 2015

Topics

- BMP Tracking
- Regional Ag Watershed Assessment Program Initiative (RAWAPI)
- Financial Topics

BMP Tracking

- BMPs In the Model
- Transect Survey
- Remote Sensing Pilot (NEW)
- Manure Management Plans (NEW)

Regulatory Updates, Tools & Outreach

Pennsylvania Code

Title 25. Environmental Protection
Department of Environmental Protection
Chapter 102. Erosion and Sediment Control



2010

Revised Chapter 102:

- Added “equine activities” to definition of Ag Operation.
- BMPs must meet “T” over crop rotation.
- Defined AHUA and included requirements for minimizing runoff.
- Crop residue requirement within 100 ft. of stream

LAND APPLICATION OF MANURE

A Supplement to Manure Management for Environmental Protection

Manure Management Plan
Guidance

361-0300-002



2011

- DEP revised the Manure Management Manual.
- PA Conservation Districts conducted over 14,481 farm visits and held 268 manure management training sessions.



2011 - 2014

- DEP developed numerous education and outreach materials including brochures, pamphlets, barn sheets, calendars and videos.

Regional Ag Watershed Assessment Program Initiative

- Soft Run – Mifflin County
 - Started in 2012
 - Inspect All Farms
 - Focus on Water Quality Issues
- Regional Ag Watershed Assessment Program Initiative
 - Build from Soft Run Pilot
 - Add Financial Support for BMPs and Plans

Regional Ag Watershed Assessment Program Initiative

DEP Region	Name	County		Size	Farms
NCRO	Kaiser Run (Upper Buffalo Creek)	Union	CWF	2.88 sq. mi.	~22
NWRO	UNTs Kahler Lake	Venango/ Clarion	CWF	4.49 sq. mi.	~12
NERO	Mahantango Creek (Headwaters)	Schuylkill	CWF	~ 19 sq. mi.	~21
SCRO	Beaver Run (Yellow Creek Watershed)	Bedford	HQ-CWF	~10sq. mi.	~31
SERO	UNT Tohicken	Bucks	TSF	5.1 sq. mi.	
	Deer Run	Bucks	CWF	3.4 sq. mi.	~41
	Wolf Run	Bucks	CWF	1.16 sq. mi.	
SWRO	Goose Run (Plum Creek Watershed)	Indiana	HQ-CWF	~3 sq. mi.	~ 12

Regional Ag Watershed Assessment Program Initiative

- Six Regional Offices / Six Watersheds
- “Advanced Notice” of Stakeholders
- Six Grants to Conservation Districts
- 147 Farms Assessed

Regional Ag Watershed Assessment Program Initiative



Regional Ag Watershed Assessment Program Initiative

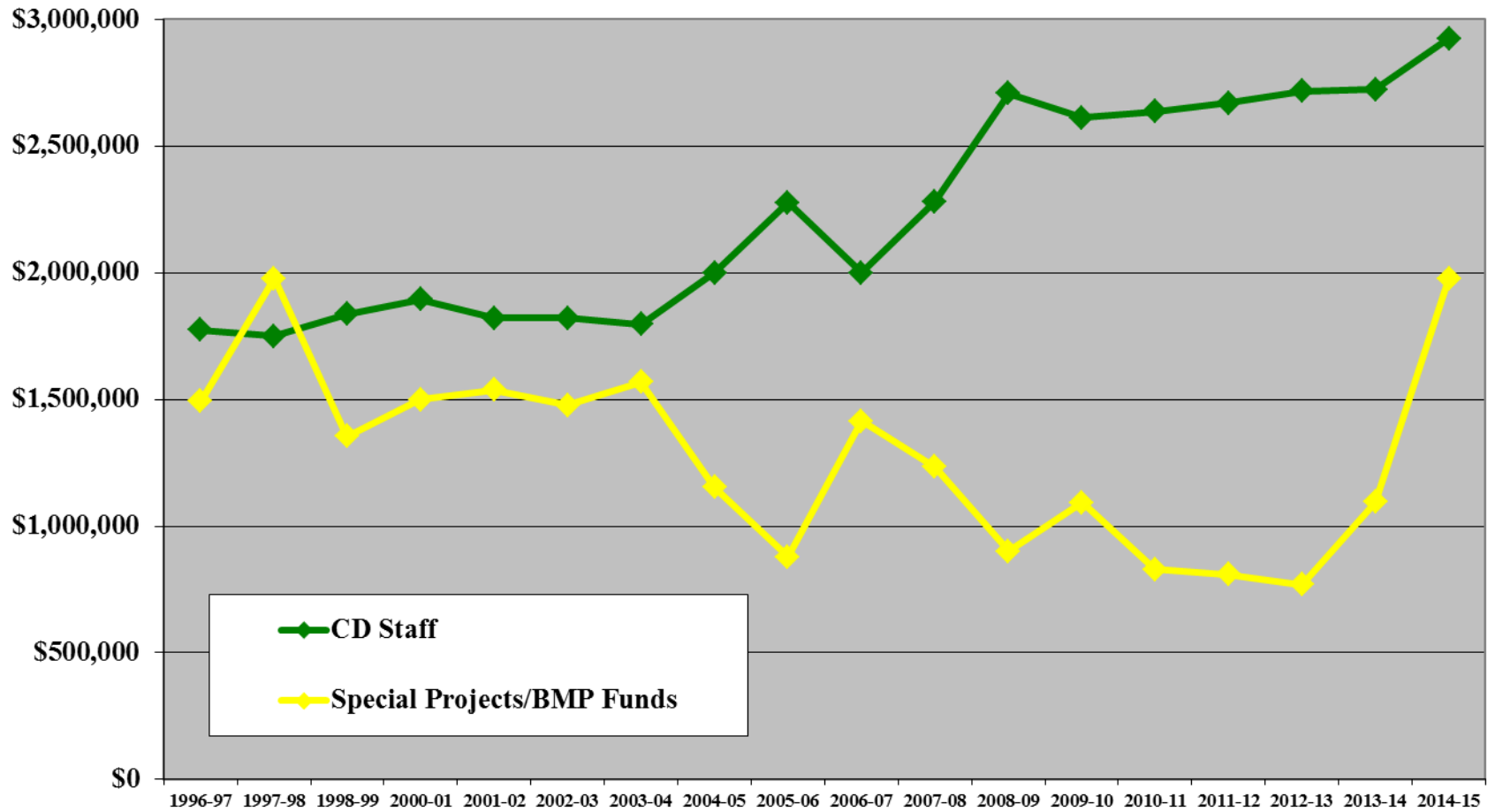


Regional Ag Watershed Assessment Program Initiative

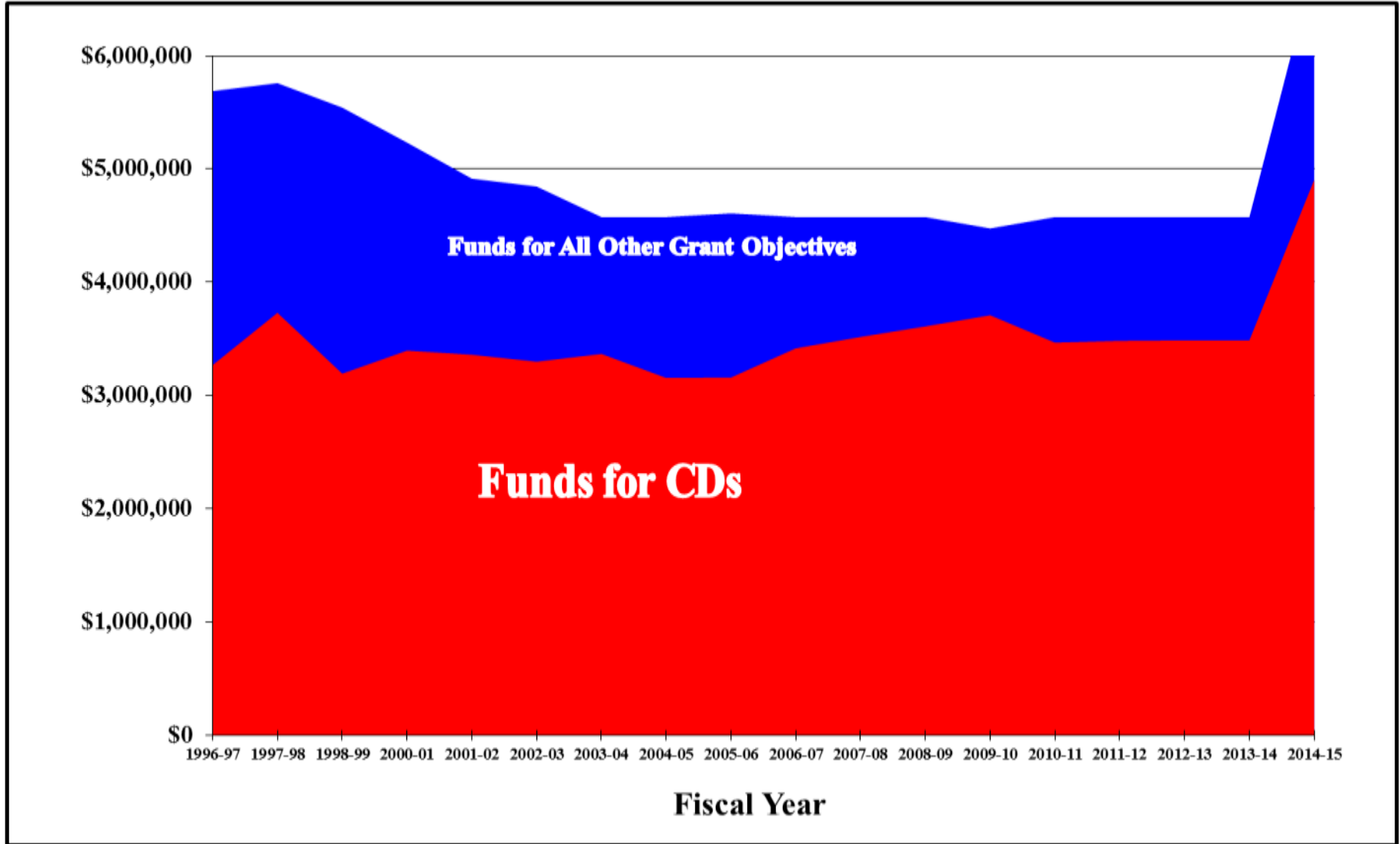
- 147 Farms Assessed
 - 34 Farms with Significant Water Quality Concerns
- 11 Farms w/ Field Orders
- Significant Findings:
 - 45 had Manure Management Plans (31%)
 - Positive Feedback
- 2015 Watershed Effort Now Being Considered

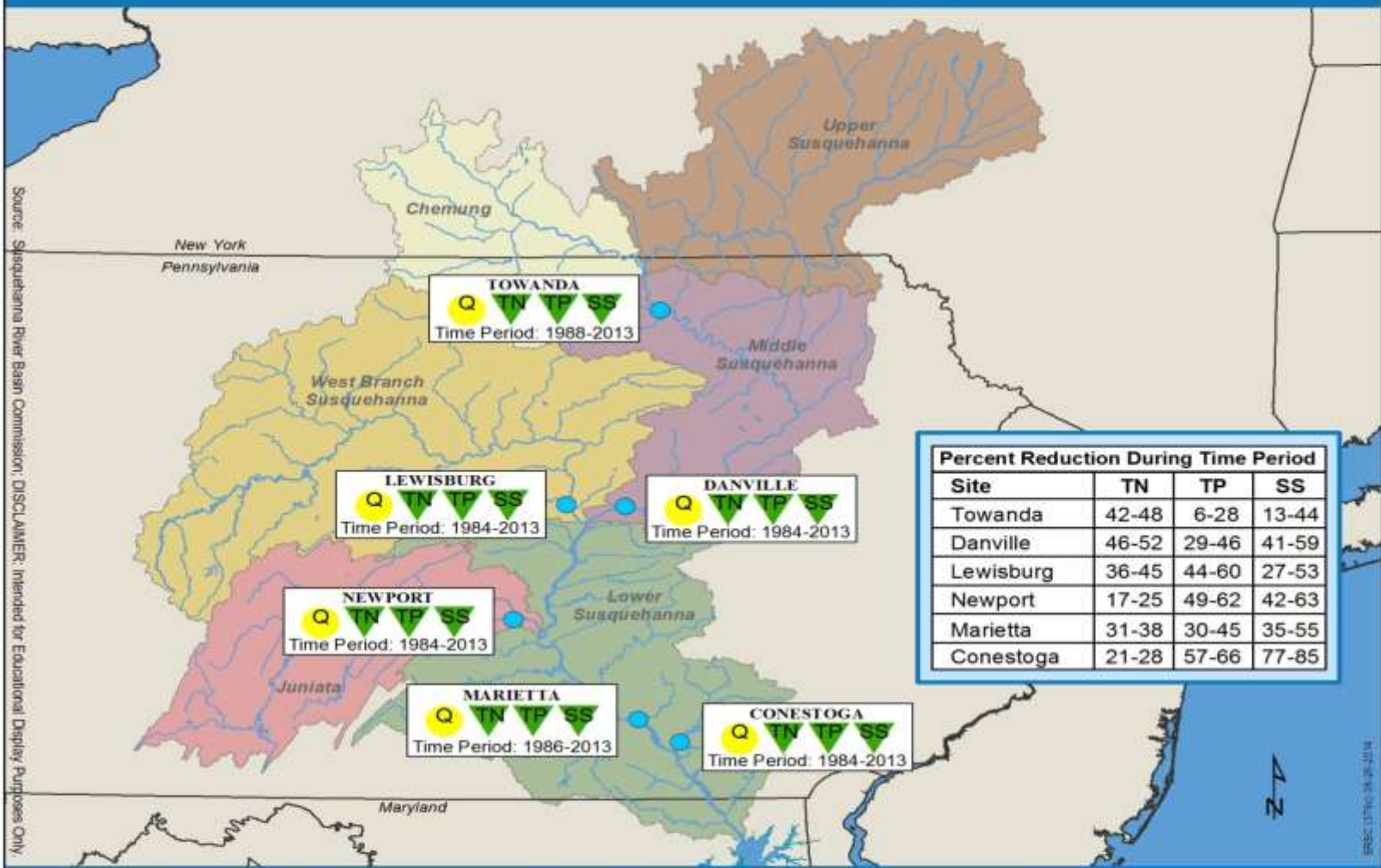
- Modification of CD Staff Funding in 2014-15
 - CBRAP Funding vs CBIG Funding
- ULOs
 - EPA is very concerned about Unliquidated Obligations
- 2014-15 Special Project Funds > \$2.0 million
- 2014-15 Staff Funds = \$2.9 million
- Special Projects BMP Funds

2014-15 Chesapeake Bay Grant(s)



2014-15 Chesapeake Bay Grant(s)



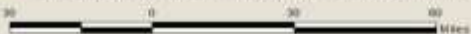


Source: Susquehanna River Basin Commission; DISCLAIMER: Intended for Educational Display Purposes Only.

Percent Reduction During Time Period			
Site	TN	TP	SS
Towanda	42-48	6-28	13-44
Danville	46-52	29-46	41-59
Lewisburg	36-45	44-60	27-53
Newport	17-25	49-62	42-63
Marietta	31-38	30-45	35-55
Conestoga	21-28	57-66	77-85

● STATION LOCATION
TREND CHANGE

- - No change over Dated Time Period
- ▼ - Decreasing Concentration over Dated Time Period



TREND EXPLANATION

- Q** - Flow
- TN** - Total Nitrogen
- TP** - Total Phosphorus
- SS** - Suspended Sediment

- MAJOR RIVER**
- WATER BODY**
- STATE BOUNDARY**
- SUSQUEHANNA RIVER BASIN**

SRBC 11/14/13 10:30 AM



Office of Water Management

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