

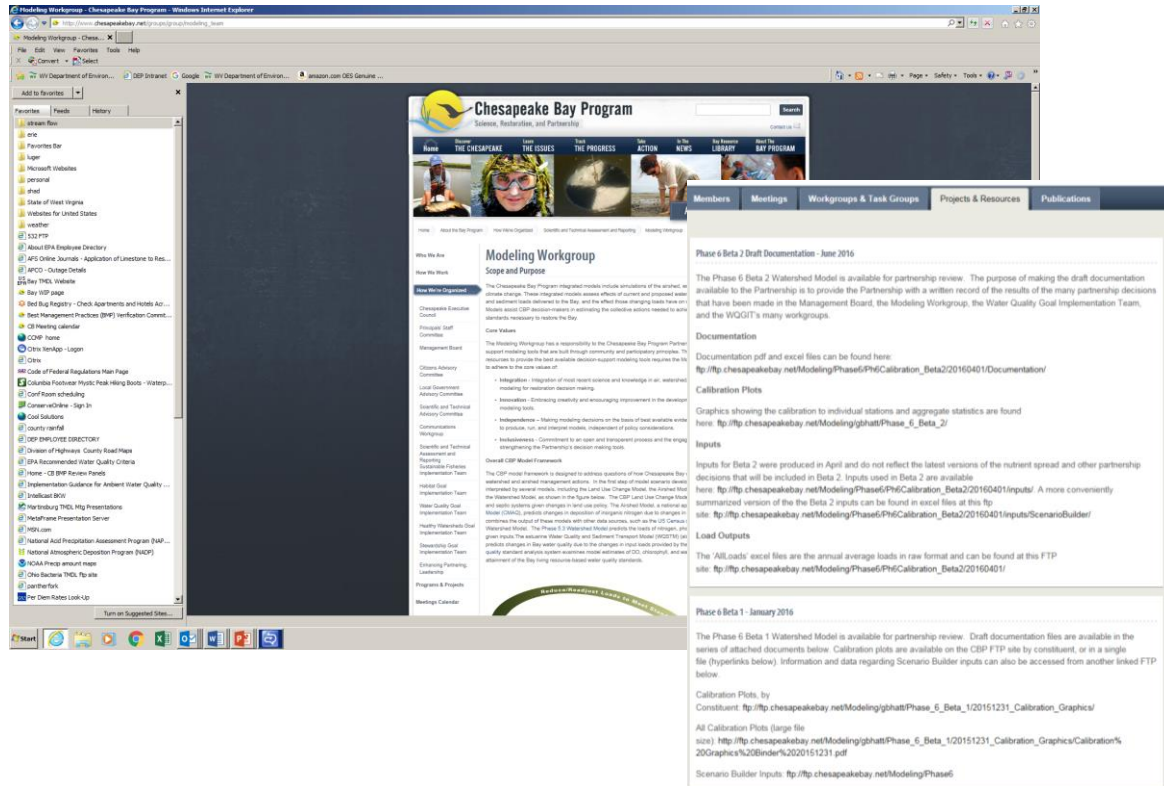
# Phase 6 Progress since August

Gary Shenk – USGS - Chesapeake Bay Program

10/4/16

This information is being provided to meet the need for timely best science.  
The information is provided on the condition that neither the U.S. Geological  
Survey nor the U.S. Government shall be held liable for any damages  
resulting from the authorized or unauthorized use of the information.

# Documentation



- See MWG Webpage
- [http://www.chesapeakebay.net/groups/group/modeling\\_team](http://www.chesapeakebay.net/groups/group/modeling_team)
- Will be periodically updated
- Webinars here too

# Phase 6 Model Documentation

Section 1:  
Overview

Section 2:  
Average  
Loads

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Section 3:  
Inputs

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Section 4:  
Sensitivity

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Section 5: Land Use

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Section 6: BMPs

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Section 7: Land to Water

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Section 9: Stream Delivery

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Section 10: River Delivery

Section 11:  
Applications

Section 8:  
Direct Loads



# Phase 6 Review Questions

Pete Kleinman and Doug Smith  
- ARS



Section 5: Land Use



Section 6: BMPs



Rich Alexander – USGS

and

Larry Band - UNC



Claire Welty – UMBC  
Jim Pizzuto – U Del  
Kathy Boomer - TNC

Section 8:  
Direct Loads

Don Scavia (U Mich)  
Zach Easton - VT



# Phase 6 Review Questions

Sediment:  
Jim Pizzuto  
Andy Miller - UMBC

Recommendations for the future  
- All

What opportunities do we have  
with the 1m land use?  
- Boomer and Band

Documentation Comments  
- All

Section 8:  
Direct Loads

Climate Change  
Easton, Scavia, Miller

Conowingo  
Miller and ??

# Review Gossip

- Generally a high level of comfort with the approach
  - Varied between high praise and 'barely adequate'
- Good ideas for clarity of documentation
  - Struggled with the relationship between the static and temporal models
- Will likely ask for uncertainty quantification in the near term

# Beta 4

- All inputs from partnership 9/30
- Conowingo
- Atmospheric Deposition
- Bank and Floodplain loads
- More work on calibration – will need to make decision on regional factors in December

# Today's Agenda

2:20 Atmospheric Deposition  
Grimm

1:40 Bank and Floodplain Loads  
Noe and Claggett

Conowingo  
11:30 Currey  
12:30 Bhatt

10:40 Climate Change  
Bhatt and Hinson

1:00 Visualization  
Wolf and Devereux

Average Load  $\rightarrow$   $\Delta$  Inputs \* Sensitivity

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Land Use Acres

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BMPs

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Land to Water

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Stream Delivery

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River Delivery

Direct Loads

## Phase 6

Preliminary Information-Subject to Revision.  
Not for Citation or Distribution