

# Lessons Learned From Comparing Monitored and Modeled Changes in Load

## An Example of Explaining Observed and Expected trends with BMP and Land Change Data.

Joel Blomquist, Andrew Sekellick

With support from : Jeni Keisman, Doug Moyer, Jeff Chanat, Gary Shenk,  
Matt Johnston, Jeff Sweeney, Guido Yactayo, Sucharith Ravi,

For More information contact [jdblomqu@usgs.gov](mailto:jdblomqu@usgs.gov) 443 498 5560

Preliminary:  
Do Not Cite  
or Distribute

# Scope

- 🌐 **Nine River Input Monitoring stations**
- 🌐 **Chesapeake Bay Partnership Watershed Model Results (WSM 5.3.2)**
- 🌐 **WRTDS Flow-Normalized Loads**





# Approach

## 1. Evaluate Model Uncertainty

## 2. Evaluate Change:

-  Observed (Monitored) Vs. Expected (Modeled)

## 3. Evaluate Drivers:

-  Land Use
-  Wastewater
-  Deposition
-  Best Management Practices