

Climate Change - Committee

- **Ray Najjar – Penn State**
- Susan Julius – EPA
- **Mark Bennett – USGS**
- Chris Pyke – US Green Building Council
- Mike Kemp – UM
- Pamela Mason – VIMS
- Lee Currey – MDE
- Dave Montali – WV DEP
- **Lew Linker – EPA**
- Chris Duffy – Penn State
- Carl Cerco – CoE
- Skip Stiles – Wetland Watch

Climate Change - Details

- Timing – Flexible
- Length – 2 days
- DC / Annapolis area
- \$10,000

Conowingo - Motivation

- 2010 TMDL documentation states:
 - The Conowingo will be considered for the 2017 mid-point assessment
 - The TMDL will be modified if monitoring data show that the trapping is diminished
- Recent public attention

Conowingo - Resources

- USGS Conowingo efforts by both Langland and Hirsch
- Lower Susquehanna River Watershed Assessment
 - CBP models of the watershed and upper Chesapeake combined with newly developed models of the lower three reservoir pools.

Conowingo – Science Qs

- How should CBP integrate the USGS reports and LSRWA modeling to describe the trapping capacity of the Conowingo through time and how can this be integrated into CBP models?
- Is this knowledge transferrable to other large and small reservoirs and how can they be incorporated into CBP tools?

Conowingo – Science Qs

- What are the effects:
 - Outside of the main stem?
 - On SAV in the Susquehanna Flats?
 - On SAV in oysters in the rest of the Bay?
 - On nutrient speciation?
 - On the timing of sediment?
- How does assimilative capacity from the re-emergent Susquehanna Flats SAV bed offset the increased scour from the Conowingo?

Conowingo - Committee

- Bob Hirsch – USGS
- **Larry Sanford – UMCES**
- **Mike Kemp - UMCES**
- **Lee Currey – MDE**
- Theodore Tesler – PA DEP
- Carl Cerco – CoE
- **Lew Linker – EPA**
- **Jeff Halka – MGS**
- Mike Langland – USGS
- Lee Karrh – MD DNR
- Walt Boynton – UMCES
- Bruce Michael –MD DNR

Conowingo - Details

- Timing – After LSRWA complete
- Length – 2 days
- DC / Annapolis or Conowingo area
- \$8000

Climate Change - Motivation

- 2009 Executive order directs the CBP to address climate change
- 2010 TMDL documentation states the climate change will be considered for the 2017 Mid-Point Assessment
- STAC recommendations

Climate Change - Resources

- Penn State
 - Projects describing Chesapeake-wide changes using existing CBP model setup
- EPA's Global Change Research Program
 - Patuxent-focused joint project ORD/CBPO/RAND looking at Robust Decision Making for dealing with uncertainty
- UMCES
 - Patuxent watershed and estuary focused study of stream and wetland restoration strategies responding to CC
- USGS
 - USGS/CBPO project to estimate change in hydrograph characteristics

Climate Change – Science Qs

- Provide a forum for collaboration among existing and potential future Chesapeake-focused projects
- Bring in watershed and estuarine assessments of climate change from outside of the Chesapeake
- Provide guidance to the CB Partnership for the 2017 mid-point assessment