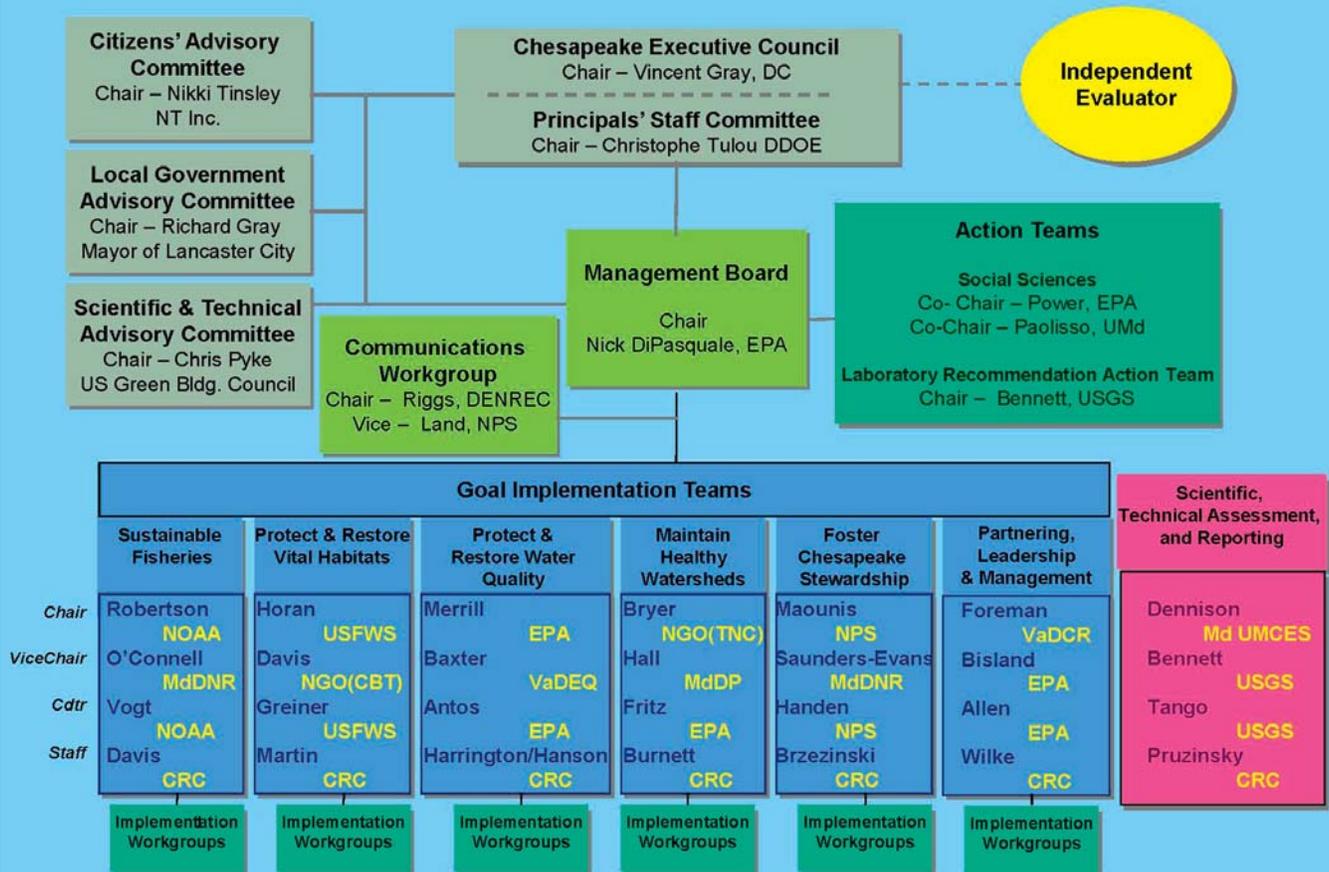


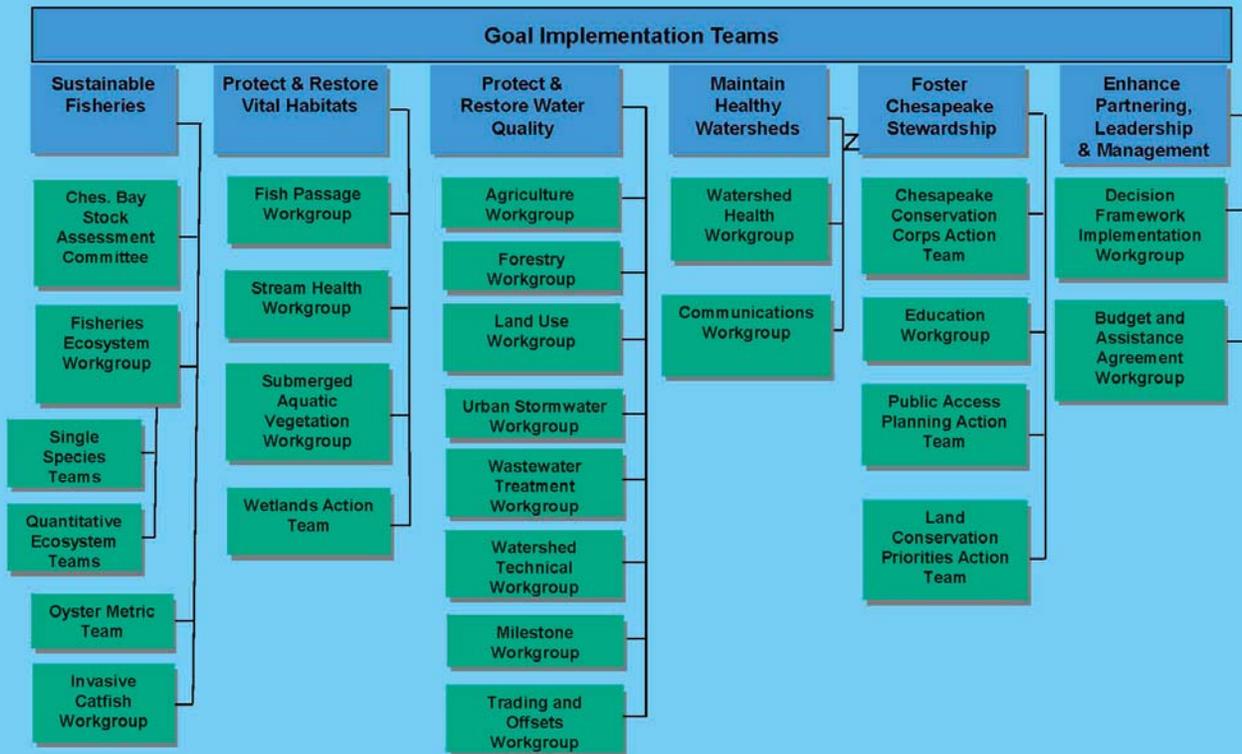
# Chesapeake Bay Program Update

Elizabeth River Steering Committee Meeting  
 February 1, 2013  
 Jennifer Tribo, HRPDC

## CBP Organizational Structure and Leadership 8-27-12



# CBP GIT Implementation Workgroup Structure 8-27-12



## CBP Focus 2012 - 2013

- Establish BMP Verification Framework.
- Plan for 2017 Midpoint assessment.
- Establish new workgroups and BMP panels as necessary.

## **BMP Verification Framework**

- Ensure practices, treatments, and technologies resulting in reductions of nitrogen, phosphorus, and/or sediment pollutant loads are implemented and operating correctly.
- Chesapeake Bay Program developed principles for Jurisdiction's to use when developing programs.
- CBP established Panel to review Jurisdiction's programs.

## **BMP Verification Timeline**

- January 2013: Principals' Staff Committee adopts Principles.
- February 2013: Verification Committee of WQGIT defines level of documentation required by Jurisdictions to get programs approved.
- May 2013: PSC approves Baywide Verification Framework.
- Summer 2013: Jurisdictions submit programs to Review panel.
- Fall 2013: Review Panel completes review of Jurisdictions' Programs.

## 2017 Midpoint Assessment

- Ensure Partnership has all practices in place by 2025 to attain water quality standards in the Bay
- Take stock of the latest science and data, range of available tools and controls, and progress to date
- Findings from Midpoint Assessment will inform Phase III WIPs, which will guide milestones and implementation between 2018 and 2025

## Midpoint Assessment: Guiding Principles

- Keep the focus on implementation and maintain stable tracking and reporting through 2017.
- Enhance decision support and assessment tools to enable successful engagement of local partners.
- Incorporate verification of practices into existing accountability tools and reporting protocols.
- Address emerging issues that may impact current strategies and future plans.
- Prioritize midpoint assessment actions and adaptive management to ensure Phase III WIPs meet water quality goals.

## BMP Panel Update

- Recent BMP Expert Panel Reports Approved by CBP
  - Stormwater BMP upgrades and retrofits.
  - State Stormwater Performance Standards
- Draft Panel Reports
  - Urban Nutrient Management
- Panels in Progress
  - Illicit Discharge Detection and Elimination (includes SSOs)
  - Stream Restoration revisions
  - Shoreline Erosion Control
  - Oyster Restoration
  - Urban Tree Planting
- Upcoming Panels
  - Floating wetlands
  - Street Sweeping Revisions

## New Land Use Workgroup

- Water Quality GIT added a Land Use Workgroup in summer 2012.
- Chesapeake Bay Program Recognizes Importance of Land Use.
  - Critical for establishing load allocations and guiding implementation of the Chesapeake Bay TMDL.
  - Differences between local and CBP land use data have caused difficulties in planning and reporting local implementation efforts in support of Watershed Implementation Plans (WIPs).
- Co-chairs: HRPDC, MWCOG
- Inaugural meeting: September 2012
- Future meetings: Monthly conference calls on third Monday.

# Land Use Workgroup

- Mission Statement:
  - Ensure that scientifically and locally credible land use data informs the suite of Chesapeake Bay Program (CBP) models and accounting systems.
- Primary Roles:
  - Develop protocols and methods for using local land use data to improve the CBP models.
  - Increase the spatial, temporal, and categorical accuracy of land use information used to inform CBP models.
  - Improve the accuracy, plausibility, and usefulness of future land use scenarios to support TMDL implementation and maintenance.
  - Evaluate the utility of land use datasets, estimates, and scenarios developed to inform CBP management decisions.

## Land Use Workgroup: Midpoint Assessment Priorities

- Improve the spatial, temporal, and categorical representation of urban, agricultural, federal, and wetland land uses through the use of local land-use information, annual NASS data, and other land-use related datasets, and by exploring the development of a probabilistic and high spatial resolution land-use dataset.
- Evaluate a variety of methods for developing future land use scenarios that are locally credible and relevant and consider basing the Phase III WIPs on a year 2025 land use to facilitate the crediting the water quality benefits derived from land conservation and land-use planning.
- Investigate differential loading rates for expanded urban land use classes and wetlands.

# Land Use Workgroup Work Plan

- Define the land uses that should be included in the next model.
- Coordinate with other workgroups and EPA to develop loading rates for new land uses.
- Develop a process to consider local data in the development of the land use layer.
  - Collect local land use data.
  - Compare local data to model outputs.
  - Determine loading impact of using local data versus state/baywide data.
- Explore options for developing a spatial land use layer.

## Other Technical Issues

HRPDC Recommendation	EPA/CBP Response
Evaluate extreme weather events	USGS study on extreme weather and loading from the Conowingo Dam being considered. EPA is considering how climate change and sea level rise predictions should factor into the TMDL process.
Revise segmentsheds	None yet.
Additional water quality monitoring	Bay Program has added some stations, but none are in Hampton Roads.
Add wetlands as a land use	Land use workgroup is considering this in cooperation with the Forestry workgroup.
BMP effectiveness for bacteria	Need to work with Virginia.
BMP effectiveness for flooding	Need to work with Virginia.