Review of Chesapeake Bay Data

Background

- Current Tributary Strategy based on data from Watershed Model Phase 4.3
- Phase 5 Model
  - Greater resolution (94 to 684 subbasins)
  - Greater calibration (20 to 237 sites)
  - More land uses (9 to 64)
  - Improved data sets
Why Data Review?

- Role of local governments in reviewing data
- How data will be used
- Acknowledgement of data review
- TMDL in the future?

Data

- Land Cover
  - Total urban
    - High Intensity Pervious
    - Low Intensity Pervious
    - High Intensity Impervious
    - Low Intensity Impervious
- Estimates of urban stormwater BMPs installed
- Population Projections
How is the Data Provided?

- Graphed data
  - Land Cover
  - Population
  - Loss of Farmland & Forestland
- Mapped Data
  - Forecasted Urban Growth
  - Probability of Urban Growth
  - Forestland Loss
  - Farmland Loss

Land Cover Data

- 5 year increments
- Use of US Census Data 1982 – 2002
- Projected land cover data 2010 - 2030
- RESAC land cover/impervious surface data
### Stormwater BMP Data

- **VA DCR Estimates**
  - According to urban land growth in basins & model hydrologic segments
Population Data

- Linear interpolations from known databases, e.g., 1980 & 1990 U.S. Population Census
- 2002 estimated values were derived from the U.S. Census Population estimates
- Virginia Employment Commission used for population projections 2010 - 2030
- Weldon Cooper Center used for population projections for WashCOG and Hampton Roads PDC counties
What is to be Reviewed

- Urban land cover data
- Total Stormwater BMP estimates
- Population
  - Historical Data – 1982-2002
  - Projections 2010 - 2030
  - Trends
  - Plausible growth expectations
Other Data

- Local governments can, but do not need to review farmland or forestland data
- Agriculture Data
  - RESAC
  - Agriculture Census
  - CBP Workgroups
  - VA DCR
- Forest Loss and Forest Harvesting Data
  - RESAC
  - CBP Workgroups


- Inviolate Scale
  - Cannot alter statewide scale
  - Re-proportioning data within jurisdiction and/or within basin is acceptable
- Detailed documentation of data to be altered
Review of Data 2010-2030

- Review of magnitude and direction
- Plausibility of information based on knowledge and expectations of population and economic growth
- Detailed documentation of projected data
- Buildout analyses
- Comprehensive Plans
- Local Programs not factored into CBP Model

Process

- Signature of acknowledgement from County Administrator, Planning Director, or delegated authority
- If recommending revised data:
  - Revised data
  - Precise defensible documentation
- Return to RRRC for compilation. RRRC will provide regional comments to DCR
DCR Next Steps

- Compilation of Data
- Submission to CBP
- Review by CBP and Tributary Strategy Workgroup