

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

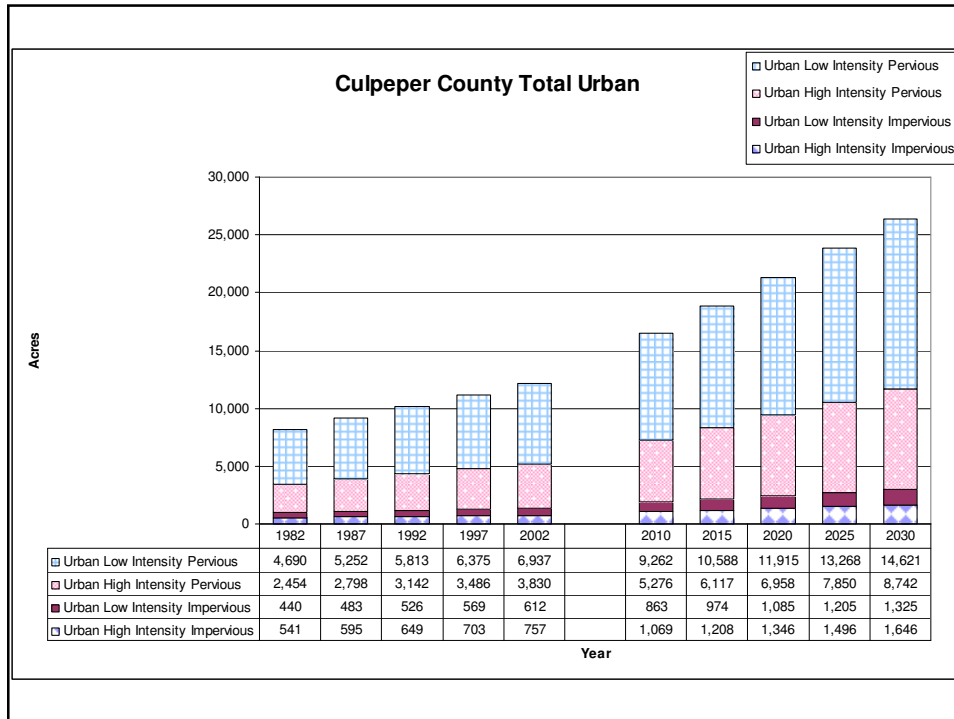
- Land Cover
 - Total urban
 - High Intensity Pervious
 - Low Intensity Pervious
 - High Intensity Impervious
 - Low Intensity Impervious
- Estimates of urban stormwater BMPs installed
- Population Projections

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

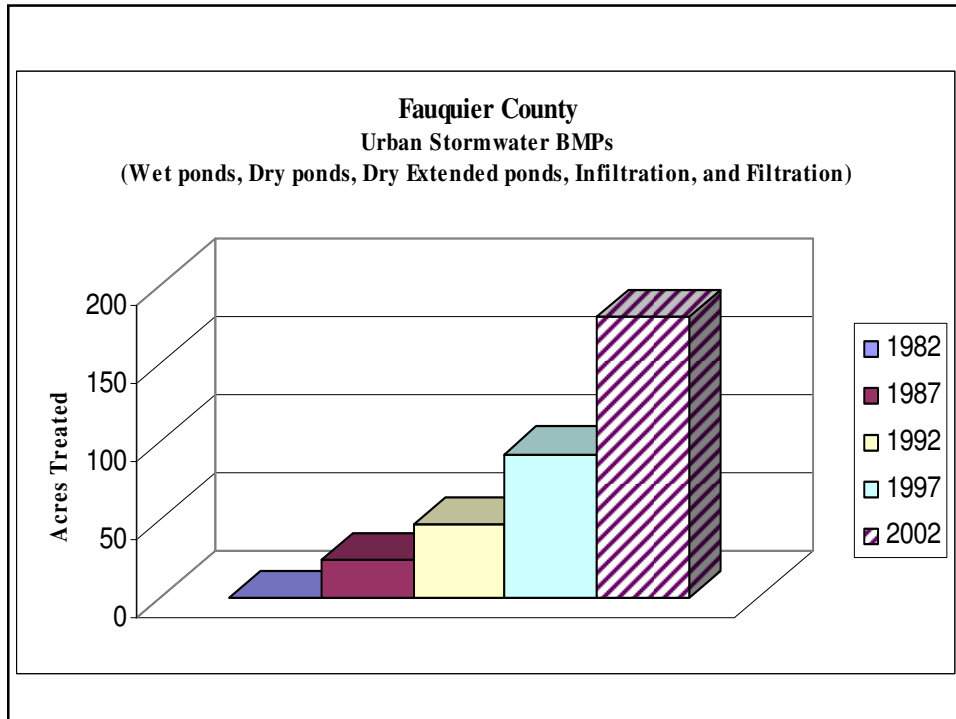
Land Cover Data

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



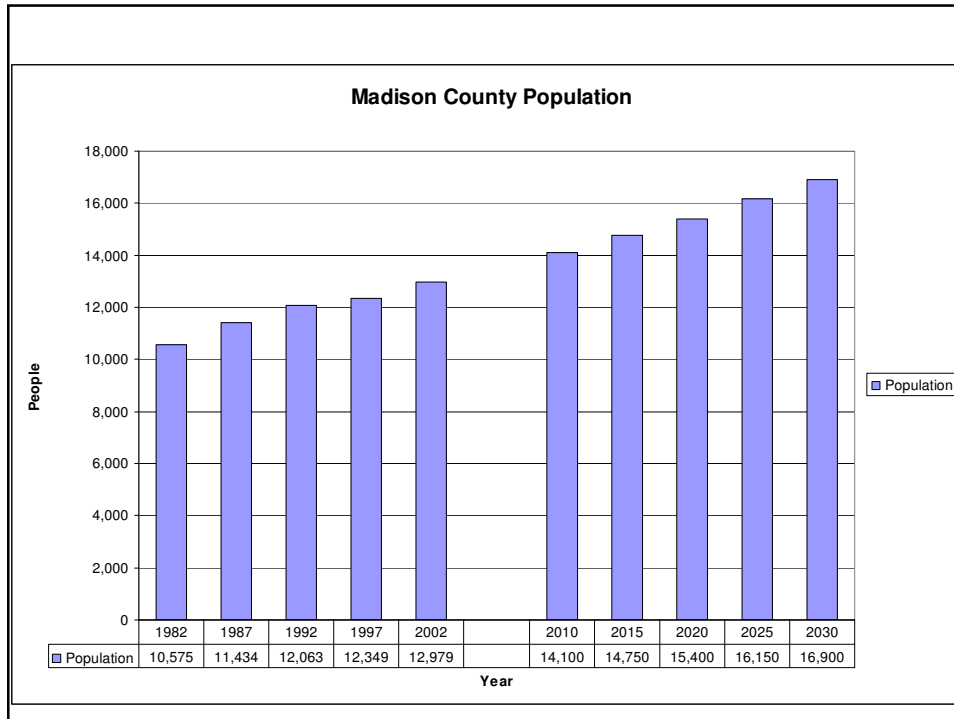
Stormwater BMP Data

- 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

Review of Past Data (1982-2002)

- Inviolate Scale
 - Cannot alter statewide scale
 - Re-proportioning data within jurisdiction and/or within basin is acceptable
- Changes need to be based on 5 year increments 1982, 1987, 1992, 1997, 2002
- 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