

The Peculiarities of Perviousness Objectives and Products of the Workshop

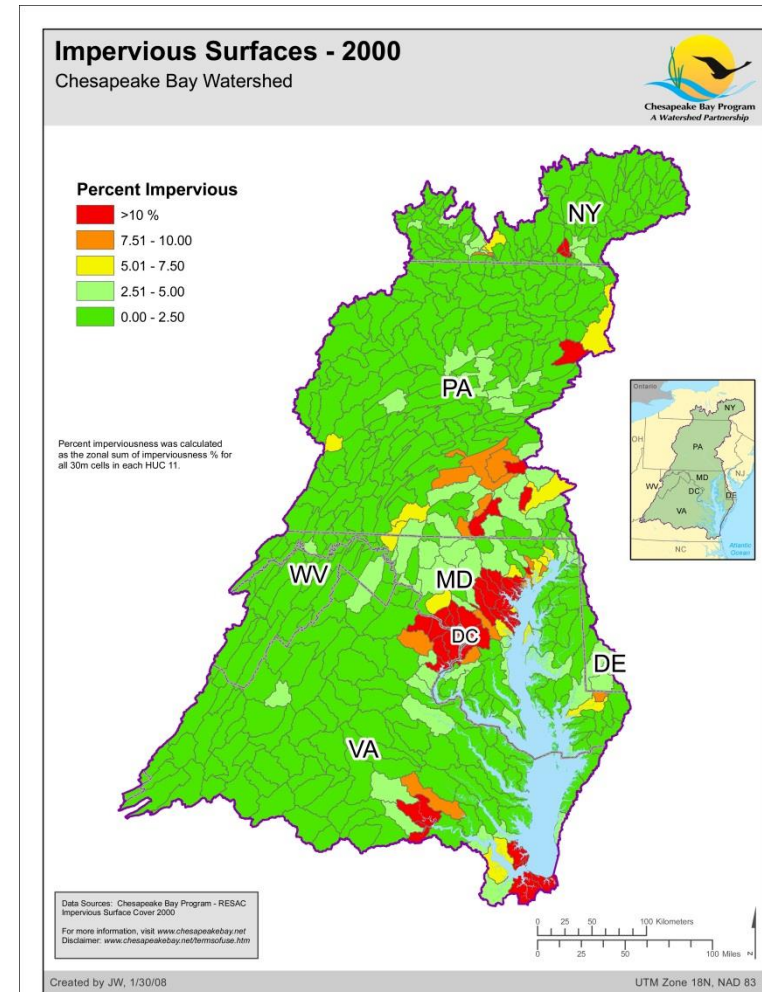


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The Peculiarities of Perviousness
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Scientific and Technical Advisory Committee Workshop
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Chesapeake Bay Model and Pervious Lands

- The current version of the Chesapeake Bay Watershed Model (CBWM) includes more than 3.5 million acres of pervious land, or just under 9% of the total watershed area.
- Within this land use category are:
 - residential lawns
 - landscaping areas
 - gardens
 - Parks
 - golf courses
 - road rights of way
 - vacant lots
 - open areas
 - Some forest canopy
- Widely variable management (mowing, fertilization, irrigation)



Workshop Objectives

The objective of this workshop is to characterize the key source areas and pervious cover types that generate nutrients and sediments, and/or reduce runoff in the urban landscape and determine whether it is feasible to utilize them in Phase 6 of the Chesapeake Bay Watershed Model (CBWM), by answering the following questions:

1. Does the source or cover type depart in a meaningful way from the average nutrient loading for generic pervious land?
2. If so, are there existing or future mapping tools that can accurately measure the source or cover type at the scale of a county and the entire Bay watershed?
3. If so, can the pollutant dynamics of the source or cover type be accurately simulated in the context of existing or future versions of the CBWM?
4. If so, would the source or cover type respond in a unique manner to the application of a new or existing urban BMP type?

Suggested Workshop Outcomes from Proposal

- Process for creating pervious land sub-classification system that can be adapted into the CBWM for the purposes of simulating and managing nutrient loads in the Bay watershed.
- Educational-for participants, and for readers of the report.
- Networking-brought disparate research groups together.

STAC expectations

- All workshops produce a written report.
- Attendees strongly encouraged to actively participate.
- Recorders will capture sense of discussion and major points.
- Reports due to STAC no more than 90 days after the completion of the workshop.
- Normally report is presented in an open STAC meeting.
- Goes through STAC report review process. STAC must approve report for it to be published.
- Report contents:
 - Background information, Pre workshop activities
 - Discussion of main topics covered
 - Discussion of results and recommendations
 - Projections of short- and long-term use (including a timeline) of workshop results