

USWG Top Research Priorities

Date: September 23, 2015
To: National Fish and Wildlife Foundation
From: Urban Stormwater Workgroup
Re: Top Urban BMP Research Priorities

The following are the highest priority research needs as ranked by the Chesapeake Bay Program's Urban Stormwater Workgroup.

Per the Urban Stormwater Workgroup's request, the Chesapeake Stormwater Network and the Chesapeake Research Consortium compiled a list of the research recommendations that have been called out by various completed review panels and that have been raised during workgroup meetings. USWG members were asked to vote on their top three for sharing with funders in the Bay watershed.

The top three research priorities for the Urban Stormwater Workgroup are as follows:

- Further study to determine whether wet weather Sanitary Sewer Overflows (SSOs) should be granted nutrient credit and what sewer monitoring and modeling tools would be needed to compute and verify them.
- Research into magnitude and extent of illicit discharges, sewage exfiltration and overflows across the Chesapeake Bay.
- Conduct source area monitoring research to confirm the load, concentrations and sources of Nitrogen and Phosphorus in lawn runoff, and define the specific contribution of lawn and leaf debris to nutrient loads associated with both pervious and impervious cover. This includes the funding of paired watershed studies to demonstrate the efficacy of efforts to reduce the contribution of pollutants from these sources.