<u>USWG Bacteria Ad Hoc Team Proposed Scope</u>

Background:

Driven largely by the Chesapeake Bay TMDL, stormwater management in the watershed has been very nutrient-centric over the past 10 years. However, bacteria impairments have led to the development of a number local TMDLs and remain a challenge for state and local governments as well as an issue that matters to residents. To date, there are few resources that quickly summarize data on bacteria sources and removal techniques in a way that can be easily applied by watershed planners and managers. The Chesapeake Bay Program's Urban Stormwater Workgroup (USWG) has identified bacteria management as a priority for 2018 and asked a small ad-hoc team to review existing data and provide guidance to the workgroup.

Ad Hoc Team Members:

- Tom Schueler, CSN
- David Wood, CSN
- Mary Roman, AECOM
- Ted Brown, BioHabitats
- Alana Hartman, WV DEP
- Luke Cole, DOEE
- Dillon Goodell, DOEE
- Doug Griffith, Anne Arundel County

Objectives:

The Ad Hoc team will focus on three areas of data review during the summer of 2018:

1.   Bacteria loading rates

The team will collect and summarize data on bacteria sources to more clearly define land use loading rates. The goal is to better understand bacteria "hot spots" for source targeting efforts, and to define a potential baseline if BMP data supports removal efficiencies from BMPs and other source control efforts.

2.   Source analysis and control techniques

The team will collect and summarize data on the effectiveness of various source control techniques. The goal is to provide more guidance on track-back efforts, monitoring techniques and other source identification and control strategies.

3.   BMP removal rates

The team will collect and summarize data on bacteria removal performance of Chesapeake Bay Program-approved stormwater BMPs and source control techniques. The goal is to recommend pollutant removal rates that could be used for planning purposes.

Products:

The ad hoc team will produce a report (approximately 20 pages) that summarizes the team's findings. The report will be presented to the Urban Stormwater Workgroup and other interested groups within the Chesapeake Bay Program. The findings will also be the subject of one to two webcasts through CSN's annual stormwater training webcast series.