

Date: November 8, 2018
From: Chesapeake Stormwater Network
To: Group 3 Members
Re: Guide for the Group
*Establishing Standards for Applying Protocol 1
(Prevented Sediment)*

This memo reviews the approved charge, roster and ground rules that will guide the efforts of this group, as well as outline of what will be covered in its final product.

Approved Charge

The prevented sediment protocol (#1) has become the most widely applied stream restoration credit in the Bay watershed, and stakeholders from both the public and private sector have sought to clarify how it should be used on individual restoration projects, given the great variability in reported stream sediment loss that occurs from reach to reach.

The proposed charge of the group is to review and recommend in the following areas:

- Provide more guidance on the minimum qualifying conditions for protocol 1 projects, with an emphasis on defining the maximum amount of bank armoring that can be used to stabilize banks and prevent erosion, while still maintaining stream habitat and functions in the project reach.
- Establish quality control standards for measuring key BANCS parameters in the field to ensure crews collect consistent and unbiased data that can be replicated by others. Some potential areas to focus on include:
 - Define bank full elevations properly
 - Accurately estimate NBS and BEHI scores
 - Ensure data quality control over entire project reach
- Determine whether it is possible to define regional default values for streambank soil bulk density and nutrient content (or whether designers need instead to collect soil samples within the project reach to estimate these two important parameters for protocol 1).
- Provide an update on the ongoing development of regional BANCS curves and recommend which curves are most appropriate for different physiographic regions and stream channel conditions across the Bay watershed.
- Provide more detailed guidelines on how to estimate stream sediment loss using alternative field monitoring and modeling options allowed under Protocol 1. Any

recommendations on project study design and benchmarks for data quality control and/or model documentation would be very welcome.

Group 3 Roster

Table 1 presents the proposed roster for the group.

Table 1. Membership for Group 3		
Name	Affiliation	E-mail Address
Drew Altland	RKK	daltland@rkk.com
Lisa Fraley-McNeal	Center for Watershed Protection	lfm@cwpp.org
Joe Berg	Biohabitats	jberg@biohabitats.com
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Jeff White	MDE	Jeff.white@maryland.gov
Josh Burch	DOEE	Josh.burch@dc.gov
Reid Cook	RES Consultants	rcook@res.us
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Tess Thompson	Virginia Tech	tthompson@vt.edu
Joe Sweeney	Water Science Institute	joe@waterscienceinstitute.org

Ground Rules

The group needs the active input and participation of every member to arrive at consensus. Each member will be expected to adhere to the following ground rules:

- Quickly respond to doodle polls and participate in all work group calls (within reason)
- Review all technical materials in advance of each meeting
- Promptly complete any assignments accepted during meetings/calls
- Clearly indicate where you stand on the consensus continuum (i.e., stop, hold, stand aside, agree w/ reservations, endorse)
- Where practical, provide constructive alternatives on the issues you object to
- Weigh in on each key issue (silence will be considered agreement)
- Be respectful of other members of the group and facilitators
- No wind-bagging, model-bashing, long guitar solos or throwing shade on other panel members.

Proposed Schedule for Group Interactions

Kick off Call	11/20
Face to Face Meeting	12/18
Call # 2 Discuss Alternatives	Mid-January
Call # 3: Decision Memo	Mid-February
Final Face to Face Meeting	Late March

Outline for Final Group Recommendations

The following format meets the key CBP requirements for documenting how pollutant reduction credits are earned for modifications to existing urban BMPs, as outlined by policy approved by the Urban stormwater Work Group (USWG, 2016).

1. Group Charge and Roster
2. Background on Prevented Sediment Protocol
3. Additional Definitions
4. Qualifying Conditions
5. Recommended Field Data and Quality Control Practices
6. Alternative Monitoring/Modeling Methods
7. Technical Rationale for Recommendations
8. Better Design Example(s) for Prevented Sediment
9. Environmental Assessment Recommendations
10. Reporting and Record Keeping Requirements
11. Verification Guidance for Prevented Sediment
12. New References and Glossary (if needed)
13. Technical Appendices