

FINAL Agenda for Chessie B-IBI Technical Advisory Group Conference Call #1

Friday, January 15, 2016

10:00 am -12 pm

To join this meeting remotely, dial conference line **866-299-3188** and enter the following code when prompted: **410-267-5731**. Go to the following URL to view the presentations via Adobe Connect: <https://epa.connectsolutions.com/streamhealthworkgroup/> (Note: Enter as Guest)

Room 303 at the Chesapeake Bay Program Offices (410 Severn Ave, Annapolis, MD) is reserved for those who want to attend in person.

Please review the meeting materials prior to the call. They will be posted a few days before the call at this website: <http://www.chesapeakebay.net/calendar/event/23407>.

10:00 Introductions, discussion of project objectives and TAG role (C. Buchanan)

Scope of work *

10:15 Updated non-tidal stream biological database (C. Buchanan & A. Nagel)

10:30 Proposed approach for refining the Chessie BIBI index (Z. Smith)

Data preparation

- Master taxa list *
- Taxa attributes table
- Data selection for index refinement
- Genus level data
- Rarefaction *

Discussion: Is the proposed approach sound so far? We need volunteers to review tolerance values and functional feeding groups.

Site classification

- Reference, Mixed, Degraded

Metric selection and scoring

- Metric discrimination efficiency *
- Metric redundancy
- Metric scoring
- Identifying different types of degradation, e.g. nutrients, conductivity, flow alteration
- Indicator species analysis (Caceres indicator species R-package)

Discussion: Suggestions for genus-level metrics? Should other family-level and higher order metrics be explored?

11:30 BIBI 2 R-Package (Z. Smith)

- R statistical software
- Description of BIBI 2 R-Package
- R-scripts demonstration

Discussion: Should the R-scripts calculate indices other than the Chessie BIBI? Would these R-scripts be useful for you to have in-house at some point?

Noon Adjourn

* Materials available online at CBP website prior to conference call