Final Agenda

Scientific, Technical Assessment and Reporting (STAR) Team Seminar
10:00AM – 1:30PM December 4th, 2014

Joe Macknis Memorial Conference Room (Fish Shack)
Chesapeake Bay Program Office
410 Severn Ave Annapolis, MD

Webinar Access

Conference Line: 1-866-299-3188 code 4102675731
Adobe Connect: https://epa.connectsolutions.com/star/
Event webpage: http://www.chesapeakebay.net/S=0/calendar/event/21553/

10:00 AM	**Welcome, Introduction, and Announcements** STAR Leadership will give an introduction and request updates from the Goal Implementation Teams (GITs). Announcements: • American Geophysical Union, December 15th – 19th, 2014.	**William Dennison UMCES/STAR Co-Chair**
10:10 AM	**GIS Support for Management Strategies** John will present highlights of the existing maps and spatial data that may be helpful to the Goal Teams as they develop their management strategies. We will also have a dialogue with the Goal Teams on other information they may need for the strategies.	**John Wolf, USGS/CBPO**
10:40 AM	**Goal Implementation Team Management Strategies Updates and Needs** GIT Coordinators and Staffers will review where their individual teams are in the management strategy development including any requests for help from STAR on particular issues.	**GIT Coordinators/Staffers**
11:10 AM	**Intelligent Monitoring Product Update** STAR leadership will review the progress on product development supporting the BASINs report effort.	**STAR Leadership**

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11:30 AM	**Innovative Monitoring Workshop with STAC Update** Peter will provide an update on the schedule, speakers and agenda of this STAC workshop.	**Peter Tango, STAR Coordinator**
11:45 AM	**Climate Change Workgroup and Climate Resiliency Management Strategy Update** Mark Bennett and Zoe Johnson will provide updates on the status and plans of the Climate Change Workgroup and the Climate Resiliency Management Strategies.	**Mark Bennett** **USGS/STAR Co-Chair** **Zoe Johnson** **MDNR/STAR Climate Change WG Coordinator**
12:00 AM	**Communications Discussion** STAR members will discuss communication ideas including upcoming reports, studies, and videos to recommend to the Communications Workgroup.	**Margaret Enloe, All**
12:15 PM	**BREAK** Lunch and seminar set up. *SPECIAL THANKS*: Seminar and lunch arrangements provided by IAN UMCES.	

SEMINAR AND DISCUSSION

12:30 PM	**A view of stream habitat conditions in the Chesapeake Bay watershed through the eyes of brook trout**	**J. Todd Petty, PhD, Professor of Aquatic Sciences, West Virginia University**

Description A recent assessment of stream habitat conditions was used to construct a model of brook trout distributions throughout their native range in the Chesapeake Bay. Our approach uses very large datasets and machine learning statistics to quantify conditions at the stream segment level (64,000 stream segments) and accumulated conditions at the watershed scale. Through this assessment we are able to quantify current conditions, likely historic conditions in the absence of stress, and stream-to-stream level measures of stress associated with mining, agriculture, and urbanization. Model results are then integrated into a web-based GIS modeling tool that can used for interactive visualization, conservation prioritization, and quantitative scenario analysis. When coupled with climate change predictions and large river species models, the brook trout model will provide a powerful means for optimizing restoration actions that will produce measurable benefits to stream habitats and fish populations throughout the bay watershed.

Biography Dr. Petty is a professor in wildlife and fisheries resources at WVU. He received his BS in biology and environmental sciences at the University of Virginia and a PhD in ecology and forest resources at the University of Georgia. At WVU he teaches courses in freshwater ecology, environmental statistics, and animal population dynamics. Todd's research focuses

	on watershed scale processes and the effects of landscape change on fishes and aquatic habitats.
1:30 PM	**Adjourn**