

SUBCOMMITTEE on SEDIMENTATION, ACWI

NOVEMBER 4-5, 9:00 AM EST

National Oceanic and Atmospheric Administration
SSMC-3 (Silver Spring Metro Center, Building 3)
1315 East-West Highway
Silver Spring, MD, 20910, USA
Room 13836
866-893-0160
participant: 7913956

GoToMeeting registration link: <https://www4.gotomeeting.com/register/584230471>. Please login to GoToMeeting and dial in via **(866) 893-0160** participant code: 7913956 no later than 8:45 AM EST.

If you are making a presentation during the Subcommittee meeting, please prepare a written summary of your comments so that they are correctly represented in the minutes. **Presenters** should submit their **write up** to Amanda Cox (coxal@slu.edu) by **November 7** to be included in the minutes.

If you have a handout that you would like to be included as an appendix to the minutes, please send it to Amanda Cox no later than Friday, **November 7**, at coxal@slu.edu. If you have a .ppt for the WebEx, please send it to coxal@slu.edu prior to Monday, **November 3**.

November 4, 2014

9:00 Roll call

OLD BUSINESS:

9:10 Review minutes from the June 25, 2014 meeting Cox

9:15 SEDHYD Planning Overview Glysson/Bernard/Makar

9:55 Reservoir Sustainability Randle

10:35 Break

10:45 **RES**ervoir **SED**imentation (RESSED) Laurent/Bracewell/Cooper/Jonas/Gray

11:25 Federal Interagency Sedimentation Project Landers

11:45 Lunch Break

1:15 Prospectus Update Jonas

1:25 National Stream Morphology Data Exchange Proposals Collins

1:35 Patapsco River Dam Removal Projects Collins
2:00 Subcommittee on Hydrology Update Hom

NEW BUSINESS

2:20 Any new business? Cox
2:40 Set date of Spring 2015 meeting Cox
2:50 Adjourn

November 5, 2014

Field trip to Patapsco River Dam Removal Projects: dress for walking---long pants and long-sleeved shirt (ticks, scratchy plants, and poison oak and ivy). Hats, sunscreen and sturdy walking shoes are a must.

8:00 Depart from the Courtyard Silver Spring Downtown Hotel
9:00 Arrive at the Simkins Dam removal site in Patapsco Valley State Park
12:00 Tour will finish

Patapsco River Dam Removal Projects (9am-noon)

The National Oceanic and Atmospheric Administration (NOAA) and American Rivers, working in partnership with the Maryland Department of Natural Resources (MD DNR) and the Friends of the Patapsco Valley State Park, removed the Simkins and Union dams on the Patapsco River near Ellicott City in 2010 and 2011. These were the second and third dams, respectively, encountered by fish migrating from the Chesapeake Bay. Project partners are presently planning to remove the first blockage, Bloede Dam, in late 2016. Removing these blockages restores more than 30 miles of free-flowing Patapsco River habitat for American eel, alewife, blueback herring, yellow and white perch, and American shad. Doing so also increases recreational opportunities and removes three significant public safety hazards. We will arrive at the Simkins Dam removal site in Patapsco Valley State Park at 9am, where Mary Andrews and Matt Collins will describe the dam, its removal, and how the impoundment and downstream areas responded to release of approximately 60,000 m³ of sand and fine gravel. Joining us for this discussion will be representatives from McCormick Taylor Engineers and USGS who have been conducting morphometric surveys and sediment gaging, respectively. From the Simkins Dam site we will walk a short distance downstream (approx. 0.3 mi) to visit the first of two USGS gages installed to monitor discharge and suspended sediment post-removal and then continue walking further downstream (approx. 0.4 mi) to the Bloede Dam site. Here we will be able to observe the dam and its impoundment, filled with sand and silt, and learn about how we estimated the deposit's grain size and volume and what our DREAM-1 modeling study suggests we should expect downstream when the sediments are released. At this time we will further discuss our morphometry monitoring and how those data have been used to validate an earlier DREAM-1 model of the Simkins Dam removal sediment release and an experimental HEC-RAS hindcast model. We'll also discuss the historical importance of the Bloede Dam and how it has affected project planning. The Bloede Dam was the first known instance of a submerged hydroelectric plant where the power plant was housed under the spillway. It is also recognized as one of the earliest dams constructed of reinforced concrete. We will then continue walking downstream for approximately 1 mile to the Orange Grove picnic area where we will meet with representatives from the Maryland Biological Stream Survey (MBSS) who will give us a presentation about their long-term biological monitoring studies to describe the river's response to the removals and sediment release. After the MBSS presentation, we will get back in our vehicles (that have been moved to the Orange Grove area) and go further downstream to the park entrance where we will visit the lowermost USGS gage station established for the project. What to wear and bring: Dress for walking---long pants and long-sleeved shirt (ticks, scratchy plants, and poison oak and ivy). Hats, sunscreen and sturdy walking shoes are a must.