

1. Cat Island habitat restoration and planning

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Description: The Cat Island project involves the construction of 3 islands in lower bay of Green Bay. There is currently no habitat management plan in place for the Islands. Therefore, we would like to get input and ideas on possible management plans for the islands.

2. Sediment fingerprinting -- What is it good for?

Faith Fitzpatrick, fafitzpa@usgs.gov, 608-821-3818

Description: Do eroding banks cause high phosphorus loads in streams? We will discuss how sediment fingerprinting and budgeting tools can help determine the proportion of sediment and phosphorus coming from channel compared to upland soil erosion. The techniques were recently published in an EPA TMDL-related manual for source identification.

3. Priority habitat areas to restore the Lower Green Bay & Fox River AOC

Erin Giese, giese@uwgb.edu, 615-403-6000

Description: UW-Green Bay and The Nature Conservancy are writing a plan that will outline how to improve fish and wildlife habitat and populations in the Lower Green Bay and Fox River Area of Concern (AOC) and will soon be releasing several products to assist future conservation efforts. We will demonstrate how to utilize our simple tool in MS Excel that can be used to assess the overall condition of AOC fish and wildlife habitat based on 27 “priority areas,” which are places that contain critical habitat for fish, wildlife, and plants. We will also discuss these “priority areas” and their plant communities by displaying them with an online, interactive map.

4. Using the NOAA Lake Level Viewer to visualize coastal flooding along Green Bay

David Hart, dhart@aqua.wisc.edu, 608-262-6515

Description: An interactive table PC will be used to explore the NOAA Lake Level Viewer (<https://coast.noaa.gov/llv/>) and demonstrate how it can be used to visualize water level changes in Green Bay. Future updates to the Viewer and underlying elevation and bathymetric data will be discussed. A separate lake level viewer covering just the city of Green Bay shoreline completed as a student project in an interactive cartography and visualization class at UW-Madison last year will also be demonstrated and contrasted with the NOAA Lake Level Viewer.

5. Cover crops and wildlife conservation

Whitney Passint, whitney.passint@uwex.edu, 920-391-4663

Description: We will provide a brief overview of the Fox Demo Farms project and its efforts to improve soil health and water quality throughout the Fox River Basin. However, the talk will predominately focus on the benefits of cover crops with regards to wildlife conservation and habitat restoration. The Fox Demo Farms project has found anecdotal evidence that suggests cover crops improve a producer's bottom-line, while also creating habitat that is equally beneficial for wildlife.

6. Why does conservation matter? Linking humans and the ecosystem in the Landscape Blueprint

Mark Davis & Nikki Evans, davis63@illinois.edu, 701-261-9891

Description: How do we know WHERE to take conservation actions, WHAT conservation actions to take, and HOW MUCH conservation action to implement? Quantifiable, justifiable conservation targets linked to Ecosystem Services can guide these decisions by providing information on conservation deficits and identifying what would yield greatest returns in ecosystem services. With your help, we will identify those places in the Lower Fox River/Green Bay geography where the greatest conservation return on investment might be achieved.

7. Designing education and outreach programs to develop stewardship behaviors

Jeremy Solin, jeremy.solin@ces.uwex.edu

Description: We know information alone doesn't lead to action, but can education and outreach lead to stewardship behavior? Yes, if we design programs to engage people in thinking and shifting their mental models. This discussion will share ThinkWater's systems thinking framework and tools to help accomplish this.

8. Collectively strengthening our water quality campaigns

Jacob Fincher, fincher@swwtwater.org, 262-716-2211

Description: Supported by a grant from the Wisconsin Coastal Management Program, our goal is to empower those who live and work in Lake Michigan coastal communities of Wisconsin to make informed and responsible decisions regarding management of point and non-point source pollution. Through distribution of household and organizational surveys, we are receiving input from diverse stakeholders and organizations about strengths and challenges to having effective outreach on stormwater pollution prevention. Moreover, stakeholder input will assist in the development of strategic messaging to effectively and appropriately meet each region's demographic.