



**US Army Corps  
of Engineers®**



## Ecological Habitat Modeling Workshop

April 11 - 12, 2019

**USFWS Blackwater National Wildlife Refuge Visitors Center**

**2145 Key Wallace Dr, Cambridge, MD 21613**

### Overarching Objective:

- ◆ The Ecological Habitat Modeling Workshop facilitated by the Integrated Ecological Modeling Team of the US Army Engineer Research and Development Center will allow participants to learn the process for conceptualizing, quantifying, evaluating and communicating ecological responses to inform guidance and management decisions for restoration projects such as the Swan Island Project.

### Thursday April 11, 2019: All times listed are Eastern Time

Time	Action	Lead or Speaker
8:00	Arrive at USFWS Blackwater National Wildlife Refuge, 2145 Key Wallace Dr., Cambridge, MD 21613	N/A
8:30-8:45	Welcome Remarks, Logistics, introductions	Paula Whitfield – NOAA Matt Whitbeck - USFWS
8:45 – 9:15	Background – - Swan Island Restoration Project Status - Swan Island Parameters: before/after	Danielle Szimanski - USACE Jenny Davis - NOAA Duncan Bryant - USACE
9:15 – 9:45	Measuring Ecological Outcomes/Monitoring & Adaptive Management	Brook Herman
9:45 – 10:15	Modeling Basics and Process	Todd Swannack
10:15 – 10:30	Break	N/A
10:30– 11:15	Modeling 1: Conceptualization	Todd Swannack/Brook Herman
11:15 – 12:30	Lab 1: Conceptualization	ALL
12:30 – 1:45	Lunch	ALL
1:45 – 2:30	Modeling 2: Quantification	Todd Swannack/Brook Herman
2:30 – 3:30	Lab 2: Quantification (Break as needed)	ALL
3:30 – 4:00	Team Report Outs	ALL

4:00 – 4:30	Daily Review: Goods and Betters	ALL
4:30	Adjourn	N/A
4:30-5:30pm	Optional trip to BWNWR TLP Site	N/A
	Group Dinner TBD	N/A

**Friday April 12, 2019: All times listed are Eastern Time**

<b>Time</b>	<b>Action</b>	<b>Lead or Speaker</b>
8:00-8:30	Coffee	N/A
8:30-9:30	Modeling 3: Evaluation & Application	Todd Swannack/Brook Herman
9:30-9:45	Break	N/A
9:45 – 10:30	Modeling 4: Communication/Data management/Monitoring & Adaptive Management Plan	Todd Swannack/Brook Herman
10:30 – 12:00	Lab 3: Monitoring Plan (Breaks as needed)	ALL
12:00 – 1:15	Lunch	ALL
1:15 – 2:00	Team Report Out	Todd Swannack/Brook Herman
2:00 – 4:30	Parking lot discussions Issues Goods and Betters Next steps	ALL
4:30	Adjourn	N/A