



INTEGRATING SCENARIO-BASED SEA LEVEL RISE DATA INTO CONSERVATION PLANNING
April 17, 2014 Viles Arboretum, Augusta, Maine

Coffee, juice, muffins, etc. available at 9:00

9:30-9:45 Why we are here (*objectives for the day*):

- a. Build awareness of MGS/MNAP Sea Level Rise and Marsh Migration Project;
- b. Discuss how we can most strategically use this data for conservation efforts

9:45 – 10:00 Round table introductions

10:00- 11:00 Setting the stage- an overview of MGS/MNAP Sea Level Rise and Marsh Migration data (*Cameron/Slovinsky*)

- a. How created: from LiDAR to projected migration areas
- b. Assumptions used and data limitations
- c. General statewide results per scenario
- d. Example spatial results by region

11:00 – 12:00 What conservation initiatives will likely benefit from this data and how?

- a. MCHT Marsh Migration Initiative
- b. State Wildlife Action Plan
- c. Coastal Program
- d. State Climate Change Adaptation Plan
- e. Development of a "Marsh Adaptation to Sea level rise Tool" (MAST)
- f. Others? Public funding sources, e.g. MNRCP, LMF, National Coastal Wetlands

Hearing from representatives of each initiative will help to frame our collective thinking in how best the data can be used and what follow-up questions need to be addressed. However, this is also intended as a time to collect additional ideas from the group regarding potential users of the data

Catered Lunch

12:30 – 2:00 Facilitated discussion: How best can we use this information to prioritize future conservation efforts?

This discussion will include consideration of issues such as:

What timeline and scenarios does it make sense to plan for now?

What differences in existing geophysical settings or site characteristics could help us predict the likelihood of marshes adapting and migrating successfully?

Can we plan based on future delivery of marsh related ecosystem services to populated areas?

We look to you as experts in helping to shape and direct the conversation.

2:00- 2:30 Next Steps Brainstorm: Based on what has been discussed, what policy changes or programmatic responses would be appropriate to explore further?

What further information is most needed to make the data useful and likely to be used?

Adjourn full meeting – Begin afternoon workshop



3:00 – 5:00 Workshop to discuss what marsh functions and values should be incorporated into MAST development, and process for assigning values to these functions and values.

Goals:

- 1) Overview of Catalysis suggested approach to constructing MAST
- 2) Example candidate land protection locations to focus discussion
- 3) Review of draft matrix of how several candidate ecosystem services could be scored
- 4) Review of a draft benefit creation function intended to demonstrate how ecosystem service value could emerge in newly protected lands over time as sea level rises through each successive year of a MAST iteration
- 5) Establish necessary structure, process, and timeline for securing additional expert input required for further revisions to the matrix, benefit creation function, and/or overall project approach.