

Science Delivery: *Resilient Shorelines Grant Program* + *Information Exchange*

Hurricane Sandy Tidal Marsh Resiliency Coordination Workshop

December 10, 2015

Regina Lyons, NROC Ocean and Coastal Ecosystem Health Committee Co-chair

Resilient Shorelines Grant Program

- NROC awarded Sandy funds from US Fish and Wildlife Service through a cooperative agreement with NA LCC
- 2/3rd of that to be competitively bid and awarded as part of a science delivery grant program, the remaining funds are going towards coordination and a science delivery meeting(s)
- NROC issued an RFP over the summer for the *Advancement of Shared Northeast Priorities for Resilient Shorelines*
- 5 projects were selected for funding



NROC wants to foster connections between these grant projects and the other NALCC Hurricane Sandy projects

Recipient - Eastern Research Group (ERG)

Overview :

- Create an “explainer” card stack to convey information on living shorelines in cold climates to coastal communities and decision makers
- Leverages ongoing information gathering for NOAA OCM on this topic.
- Additional interviews and focus group.

Product – Explainer card stack on the NROC web site

NROC POC - Adrienne Harrison, NOAA



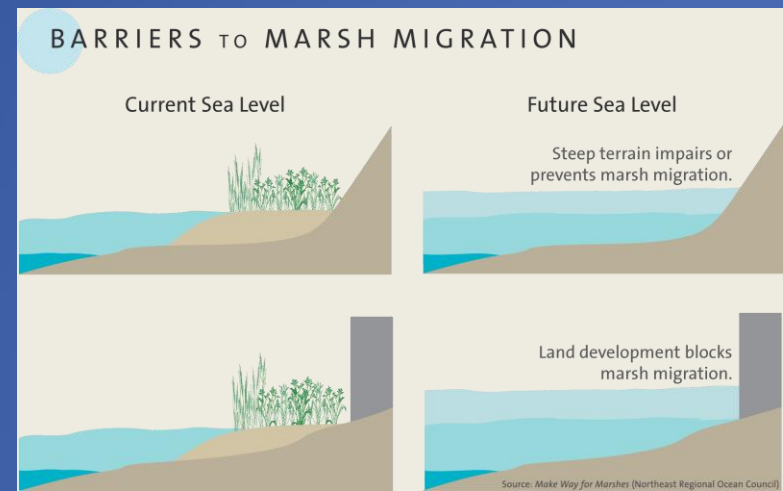
Recipient – Warren Pinnacle

Overview :

- Refine SLAMM projections for Connecticut by accounting for road and infrastructure effects
- Spatial analysis of projections to identify and characterize potential marsh migration pathways
- Reporting and outreach of methods and results

Products: Various GIS maps/data layers for CT; integration of spatial layers to EPA LISS SLAMM web page; technical report of methods and results; recorded webinar.

NROC POC – David Kozak, CT



Recipient – Blue Urchin

Overview :

- Develop enhancements to the MyCoast suite of tools
- Continue StormReporter for MA and RI
- Access to King Tide for all states

Products:

New enhancements to MyCoast include:

- Habitat/Natural Resource reporter tool
- Mobile apps for location-targeted data gathering and contacting reporters in the field

NROC POC: Julia Knisel, MA



Ron Stelling, 3.9.13

<http://mycoast.org/reports/9469>

Recipient - RPS Applied Science Associates (ASA)

Overview:

- Work with states to achieve better access to North Atlantic Coast Comprehensive Study (NACCS) model data
- Stakeholder meeting and interviews
- Development of database of NACCS model results, to be hosted by NERACOOS

Product: Web services that allow each state to access and display NACCS data within existing state portals/viewers

NROC POC – Peter Slovinsky, ME



Recipient - Rockingham Planning Commission

Overview:

- Provide direct technical planning assistance to municipalities to implement recommended actions identified in the Climate Change Adaptation sections of their Hazard Mitigation Plans.
- Expands upon success of their Tides to Storms Coastal Vulnerability Assessment

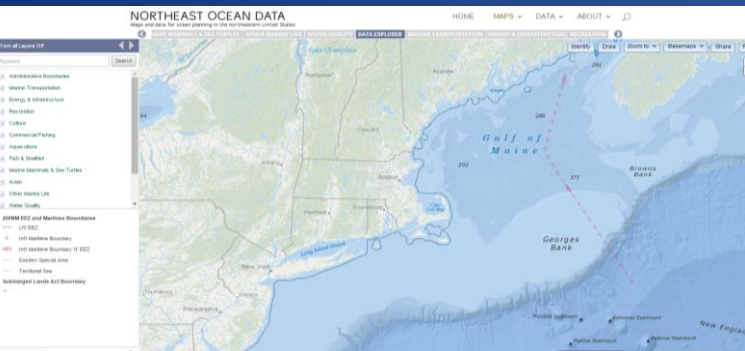
Products – specific products/outcomes TBD, but will likely include: preparing zoning, building code, and/or plan amendments; holding public hearings; community outreach efforts.

NROC POC – Steve Couture, NH



NROC Science Delivery

- Utilize NROC structure
 - Full Council + Ocean and Coastal Ecosystem Health and Coastal Hazards sub-committees, NALCC/ NROC MOU
 - [website](http://northeastoceancouncil.org/marshmigration) + [data portal](http://northeastoceancouncil.org/marshmigration) + <http://northeastoceancouncil.org/marshmigration>
- Science Delivery Workshop/Meeting (s)
 - Information exchange between Hurricane Sandy projects (including all of YOU) and coastal managers/communities/stakeholders





Questions?

Thank you!

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A photograph of a marsh landscape. In the foreground, there is a field of green grass. In the middle ground, several dead, bleached tree trunks stand vertically. Behind them is a dense line of green trees. The sky is blue with some white clouds. A decorative graphic of blue dots and lines is overlaid on the left side of the image.

Make Way for MARSHES

<http://northeastoceancouncil.org/marshmigration>

Guidance on Using Models of Tidal Wetland Migration
to Support Community Resilience to Sea Level Rise

THE REPORT

1. Introduction
2. Getting Started With Marsh Migration Modeling
Guide To Selected Models And Model-Based Tools
3. Obtaining And Working With Data
4. Handling Uncertainty
5. Communicating Results
6. Conclusion
Recommendations
7. Additional Resources