

Coastal Resilience Project Landscape Conservation Cooperatives

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LANDSCAPE CONSERVATION
COOPERATIVES

Established by DOI to better integrate science and management to address climate change and other landscape scale issues.

Mission:

- Develop and provide science on the implications of climate change and other stressors on natural and cultural resources
- Develop shared, landscape-level conservation objectives to inform conservation strategies
- Monitor and evaluate the effectiveness of conservation strategies
- Facilitate the exchange of applied science in the implementation of conservation strategies and products developed by LCCs and partners



LANDSCAPE CONSERVATION COOPERATIVES

22 LCCs bring together resource managers and scientists from federal, state, and local governments, Tribes and First Nations, NGOs, universities, and interested public/private organizations.



Delivering Information and Tools for Increasing Resilience and Adaptation of Communities and Priority Coastal Resources across the Network of Coastal LCCs

- 2015 multi-LCC projects
- Goal: To have decision-makers informed about the potential impacts, adaptation strategies, and management approaches that incorporate both ecological and human communities in their decisions.
- Total Funding: \$300K
- 2 Activity Areas (2, 1-year pilot projects):
 - Western, Arctic, Alaska LCCs (7 total)
 - Atlantic, Gulf, Caribbean LCCs (6 total)

Delivering Information and Tools for Increasing Resilience and Adaptation of Communities and Priority Coastal Resources across the Network of Coastal LCCs

- Logic:
 - Lots of coastal resilience work going on in the Gulf
 - Value-added proposition of LCCs
 - Putting existing information to work (synthesis and application)
 - Show how investment in work in other areas could ultimately be used for implementation (demonstration)

Activity Area 2

Atlantic, Gulf Coasts & Caribbean

PIs: Emily Powell, Andrew Milliken, Megan Tyrrell (NA LCC), and John Tirpak (Gulf Restoration Program)

- Objectives:
 - Establish an Atlantic/Gulf Coast LCC/CSC coastal resilience team
 - Work with partners and through literature to compile, review, and summarize coastal ecological and community resilience efforts and information
 - Identify thresholds of viability for priority species under different rates of SLR and storm impacts
 - Focal habitats (tidal marsh, beaches/barrier islands, mangroves, shellfish beds)
 - 20-30 focal species
 - Identify science needs & data gaps
- Funding: \$90K

Activity Area 2

Atlantic, Gulf Coasts & Caribbean

- Objective:
 - Pilot effort along the Gulf Coast to incorporate species and habitat information into community resilience planning.
- Funding: \$25K
- Leveraging funds; partnered with TNC on valuing open space preservation project
- Initial “seed” money used for outreach:
 - 3-5 community outreach meetings across the Gulf, with at least one in TX (initial community meetings to be held mid-2016)

Activity Area 2

Atlantic, Gulf Coasts & Caribbean

- Expected Products/Tools:
 - Assessment of restoration and management alternatives that increase resilience of species and their habitats and benefits to communities
 - Report/website with compilation and synthesis of coastal resilience efforts from partners (FWS, CSCs, NOAA, USGS, TNC, etc.) linking ecosystem and species resilience to community resilience
 - Assistance/guidance on incorporating species and habitat information into community planning
 - Summary of additional science needs to address information/data gaps

What are LCCs and partners doing?

What have we learned from these efforts?

Information we're gathering from LCCs and partners:

- Scientific data and tools linking SLR and storm impacts to coastal resources (habitats and species)
- Linkages between management approaches and ecological and community resilience
- Lessons learned to date
- Remaining data gaps and information needs

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