



NExUS Ongoing Projects and Activities Wed Nov 21 07:13:49 EST 2018

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| Name | Assessing the Risk of 100-year Freshwater Floods in the Lamprey River Watershed of New Hampshire Resulting from Changes in Climate and Land Use |
| Description | This project will develop and refine a methodology for assessing flood risk associated with land use and climate change scenarios, implement the methodology for the Lamprey River watershed of Great Bay, NH, and demonstrate the use of associated products to support land use decision-making in coastal communities. The core analyses and outputs for this project will include maps at the watershed and municipality scale of the 100-year flood risk boundaries and river discharge at specific locations under selected scenarios. As a result, decision-makers and the public within the watershed will have access to new information regarding local flood risk, and they will be educated about how past and potential future land use patterns and climate change will influence the frequency and spatial extent of flooding. |
| Sector | <ul style="list-style-type: none">- Infrastructure- Managed Ecosystems- Natural Ecosystems- Economic Resources |
| Focus Area | <ul style="list-style-type: none">- Coasts and Climate Resilience (including sea-level rise)- Climate Impacts on Water Resources |
| Region | - Regional Or State -- New England |
| Lead Agencies | University of New Hampshire and Great Bay National Estuarine Research Reserve (NERR) |
| Contacts | Cameron Wake, UNH or Steve Miller, Great Bay NERR, Cameron.wake@unh.edu or steve.miller@wildlife.nh.gov |