**North Atlantic Landscape Conservation Cooperative Science Projects – January 2012**

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| **Project** | **Status** | **Oversight** | **Cost** |
| **Projects initiated in 2010** |
| Assessment of landscape changes in the NALCC: decision support tools for conservation (“Designing Sustainable landscapes”)P.I.: Kevin McGarigal, U. Mass. | Steering Committee approved extension of funding for species-habitat modeling in Aug. 2011 (transferred from U. Vermont to U. Mass.) | Science Advisory Committee: Mark Anderson, Casey Brown, Brad Compton, Terri Donovan, Steve Fuller, Curt Griffin, Scott Jackson, Tim Jones, Dave King, Ben Letcher, Kevin McGarigal, Andrew Milliken, Keith Nislow, Dave Perkins, Scott Schwenk, Steve Williams | $435,000 |
| Forecasting changes in aquatic systems and resilience of aquatic populations in the NALCC: decision-support tools for conservationP.I. Ben Letcher, USGS / U. Mass. | Completed initial flow model, meetings with EBTJV and other partners, population model underway | Shared science advisory committee with Designing Sustainable LandscapesManagement oversight committee organized by Meredith Bartron and Jed Wright | $420,000 |
| Forecast effects of accelerating sea-level rise on the habitat of Atlantic Coast piping plovers and identify responsive conservation strategiesP.I. Sarah Karpanty, VA Tech | Completed first field season; results to be presented at annual plover workshop in January | Piping Plover Recovery Team providing this role | $204,000 |
| Vulnerabilities to climate change of Northeast fish and wildlife habitatsP.I.: Hector Galbraith, Manomet | Completed initial 12 terrestrial habitat models; coastal assessment underway | Oversight group including state partners in place through RCN process | $100,000 |
| **Projects approved by Steering Committee in 2011** |
| Use of a vulnerability index to assess species most likely to be impacted by climate changeP.I.: Bruce Young, NatureServe | Contract in place | Advisory committee to be developed by NatureServe in cooperation with Manomet project | $75,000 |
| Permeable landscapes for Species of Greatest Conservation NeedP.I.: Mark Anderson, TNC | Contract under final review | TBD | $49,868 |
| Information Needs AssessmentLead: B.J. Richardson, USFWS | RFP to three potential contractors | Information Management Needs Assessment team in place | $25,000 |
| Development of a Northeast regional coastal and marine ecological classification standardP.I.: Mark Anderson, TNC | Final proposal revisions being reviewed by partners | TBD, will include NROC and MARCO | $100,000 |
| Assessing priority amphibian and reptile conservation areas (PARCAs) and vulnerability to climate change in the NALCCP.I.: Priya Nanjappa | Contract (3 subcontracts) in place; staff being hired. | NEPARC to develop | $300,000 |
| Mapping the distribution, abundance and risk assessment of marine birds in the Northwest Atlantic: Phase 1Lead: Tim Jones ACJV | Final selection of P.I.s and coordination with other projects being completed. | Northwest Atlantic Marine Birds Conservation Cooperative will develop oversight committee | $175,000 |
| Revisions to ecological systems map for Virginia and Maryland to be consistent with rest of regionP.I.: Mark Anderson, TNC | Contract in place | TNC to develop oversight group including Virginia and Maryland state partners | $14,470 |
| **Needs being further assessed** |
| Compilation, synthesis, modification, translation, and adoption of existing spatial data and toolsLead: Steve Fuller | Conservation Design Specialist hired, landscape conservation design proposal in development | Conservation Design Team to be developed | TBD |
| Information Management SystemLead: BJ Richardson | Waiting an outcome of needs assessment | Could be continuation of Information Management Needs Assessment team | TBD |
| Vulnerability of coastal wetlands and beaches to sea level rise and other anthropogenic stressorsLeads: Hector Galbraith, LCC staff | Subcommittee to work with partners to compile and assess existing work, refine need and develop proposal | Technical Committee subteam | TBD |
| Species-habitat modeling and mapping of aquatic species | Subcommittee to work with partners to refine need and develop proposal | Technical Committee subteam | TBD |
| Demonstration projectsLeads: George Gay, Jad Daley | Ad hoc working group is further defining process for demonstration projects | Demonstration projects team as part of Steering Committee | TBD |