North Atlantic LCC Next Steps and Projects from LCC Science Strategic Plan, November 2011 **(actions in bold)**

| **LCC Component** | **Action** | **Potential Next Steps** | **Responsibility** | **Additional LCC Funding** | **Status** | **Cost estimate** |
| --- | --- | --- | --- | --- | --- | --- |
| Ecological Planning | Action 1: Develop and maintain lists of priority species | •Make compiled lists available online | LCC staff can post on website | No | LCC Staff | NA |
| Action 2: Identify representative species | •Initial list developed by FWS•Send out report to LCC Technical Committee; post online•Additional work on selecting aquatic species | USFWS with partners | TBD | Assessing next step | NA |
| Action 3: Compile and develop population objectives | •Support compilation of SWAP objectives as part of SWAP database;  | Joint effort of LCC and NEAFWA? | TBD | Contract? |  |
| •Develop process for developing or refining goals | Joint effort of LCC and NEAFWA? | TBD |  |  |
| Action 4: Compile info. on limiting factors | •**Continue initial efforts on representative species modeling;** •RCN support for addressing SGCN data gaps | Initial modeling efforts through UMass and UVM; SGCN work through NEAFWA RCN | **Yes** | **Agreement modified** | **$50k** |
| Action 5: Conduct vulnerability assessments | •**Continue joint RCN/LCC vulnerability assessment project of Manomet and NatureServe** | LCC, NEAFWA, Manomet, NatureServe | **Yes** | **IncorporatedNatureServe Proposal** | **$75k** |
| **•Support NEPARC PARCA and vulnerability assessment project** | **LCC, NEPARC** | **Yes** | **NEPARC Proposal** | **$312k** |
| **•Additional support for brook trout and other cold water vulnerability assessments incorporating EBTJV needs** | **USGS Science Center support, Coordination with ongoing projects and EBTJV** | **USGS** | **USGS projects selected** | **USGS $170k** |
| **•Assess current state of sea level rise data and tools for predicting impacts to coastal habitats; determine gaps and needs.** | **LCC working with Manomet, NWF, NOAA, NPS, USGS, EPA, and state CZMs** | **TBD** | **LCC staff to work with partners** | **unknown** |
| Action 6: Develop and apply models | •Complete ongoing terrestrial, aquatic and coastal projects; assess additional aquatic needs | LCC | Not yet | **LCC aquatic group** | TBD |
| •Support Adaptive Management Framework for American Black Duck | LCC, BDJV | Not approved | Proposal from BDJV | $40k |
| Action 7: Determine immediate priorities (triage) | •Assess LCC and RCN role on as needed basis | LCC, NEAFWA | No |  |  |
| Conservation Design  | Action 1: Assess decision support needs | •Ensure that all projects have links and input from conservation decision-makers. | LCC | No | **User groups being formed** |  |
| Action 2: Develop regional, consistent, spatial databases  | **•LCC support for marine mapping & coordination with NROC and MARCO** | **NEAFWA, LCC, NROC, MARCO** | **Yes**  | **RCN /LCC proposal** | **$100k** |
| **•Consider expansions of consistent data layers into Canada** | **LCC with Canadian partners** | **TBD** | **Discuss with TNC and Canada** | **TBD** |
| **•North Atlantic Marine Bird Cooperative developed project** | **LCC, USFWS, ACJV** | **TBD** | **Proposal from ACJV** | **$175k** |
| •Work with ACJV, NEAFWA on pilot proposal for Managed Lands database | LCC, ACJV, NEAFWA | TBD |  |  |
| •Ensure incorporation of information from National Conservation Easement Database into Northeast Secure Lands Database (TNC) | LCC, TNC, TPL | No |  |  |
| **Assess needs for consistent data layers on stream temperature and hydrology; fix NHD data** | **LCC, USGS** | **TBD** | **NHD data to be fixed by UMass** | **$30k** |
| Action 3: Assess the existing habitat capacity  | •Complete first phase of representative species-habitat modeling including distribution maps; •Consider more detailed status assessments of habitats based on results of RCN Conservation Status Report | LCC, NEAFWA | No |  |  |
| Action 4: Determine habitat objectives | •Complete first phase of representative species-habitat modeling | LCC | No |  |  |
| Action 5: Predict landscape change and future capacity | •Complete first phase of three LCC landscape change projects; •**Identify additional needs for Climate Science Center** | **LCC, CSC** | No | **Develop coordination process with CSC** |  |
| Action 6: Develop decision-support tools | •Complete first phase of three LCC landscape change projects; •**Involve user groups in ongoing or completed projects** | **LCC**, NEAFWA | No | **Develop User Groups for ongoing projects** |  |
| Action 7: Assess protected and managed lands | •Consider additional forest condition analysis | LCC | TBD | Assessment |  |
| Action 8: Develop landscape designs | **•Support project on permeable landscapes; coordinate with UMass** | **LCC, TNC** | **Yes** | **RCN Proposal** | **$50k** |
| **•Support for PARCA project NE-PARC** | **LCC, NE-PARC** | **Yes** | **NEPARC Proposal** | **$312k** |
| **•Compile and synthesize existing focus area, green infrastructure and other landscape designs** | **LCC** | **TBD** | **LCC Staff support** | **TBD** |
| •Complete Phase I of LCC Designing Sustainable Landscapes Project to develop landscape designs in three pilot watersheds | LCC, UMass | No |  |  |
| Action 9: Test conservation design approaches | •Complete Phase I of three LCC projects in pilot areas and consider expansion to rest of LCC | LCC, UMass | No |  |  |
| **Action 10: Science translation** | **•Develop User Guide on completed RCN products****•Staff support for translation and use of existing spatial data and tools** | **NEAFWA RCN, LCC** | **For additional staff** | **Additional staff hired** |  |
| Conservation Adoption and Delivery | Action 1: Provide products of biological planning and conservation design | •Consider project to support BMPs for herpetofauna | LCC or NEAFWA | TBD |  |  |
| •Support better distribution and translation of RCN products | NEAFWA RCN | No |  |  |
| Action 2: Host forums for conservation delivery partners | •Work with states to develop a strategy for delivering results to partners. | NEAFWA | TBD | Discuss with NEAFWA |  |
| Action 3: Implement demonstration projects | •RCN support for SGCN implementation strategies | NEAFWA RCN | No |  |  |
| **•Articulate LCC role in supporting demonstration projects** | **LCC SC Workgroup** | **TBD** | **Articulate role** |  |
| •Support Adaptive Management Framework for American Black Duck | LCC, BDJV | No | BDJV Proposal |  |
| Monitoring | Action 1: Coordinate existing population surveys | •Host coordination meeting with LCC, NWRS and NPS I&M programs | LCC | No |  |  |
| Action 2: Identify and support unmet priority monitoring needs | •Further define this RCN (no projects were identified through RFP) | NEAFWA RCN | No |  |  |
| **•Explore role in invasive species monitoring through detail by invasive species expert** | **LCC** | **Not yet** | **Report being prepared** |  |
| •Identify monitoring needs for selected representative species | USFWS, LCC | No |  |  |
| Action 3: Coordinate closely with NPS, NWRs & other I&M Programs | •Host coordination meeting with LCC, NWRS and NPS I&M programs | LCC | No |  |  |
| Action 4: Develop habitat monitoring objectives and assess net change | •Explore options for assessing contemporary land-cover change | LCC, USGS, EPA | TBD | Need Assessment |  |
| Action 5: Develop metrics for measuring success of conservation actions | •NEAFWA RCN Support for implementation of the NE Regional Monitoring and Performance Reporting Framework | NEAFWA | No |  |  |
| Action 6: Compile results from existing accomplishment tracking databases | •Compile recent SWG results | NEAFWA, USFWS | No |  |  |
| Action 7: Use results of monitoring to adapt future planning | •Develop protocols for regular updating of planning | LCC  |  |  |  |
| Research | Action 1: Identify and prioritize applied research needs  | •Modify existing or develop new online research needs tracking database | LCC, USFWS | TBD |  |  |
| Action 2: Coordinate funding for priority applied research projects | •Establish process for exchange of information on emerging research needs among federal and state agency research funding programs |  | No |  |  |
| Action 3: Work with the Northeast Climate Science Center (CSC) to identify annual research priorities | •**Establish close working relationship with new Northeast CSC; build CSC needs assessment into annual LCC needs assessment process** | **LCC, USGS** | **No** | **Begin coordination at November SC meeting** |  |
| Information Management | Action 1: Conduct an information needs assessment | **•Developed a technical team and work with contractor to conduct a Northeast information needs assessment** | **LCC, NEAFWA, USFWS** | **Yes** | **Developed scope, finding vendors** | **$25k?** |
| Action 2: Design and develop database/portal | **•Based on results of Northeast information needs assessment, design and pilot a northeast database/portal system** | **LCC, NEAFWA, USFWS** | **Yes** | **needs assessment phase** | **$100k?** |
| Action 3: Compile and link to existing databases | •**Work with partners to compile existing maps and conservation designs** | **LCC, NEAFWA** | **Yes** | **Staff to assemble existing data** | **TBD** |
| Action 4: Develop and maintain new specific databases | •Work with ACJV, NEAFWA on proposal for managed lands database; pilot through RCN? | LCC, ACJV, NEAFWA | TBD | Comp. SWG Proposal? |  |
| •Support development of SWAP database pilot | NEAFWA, LCC | TBD | NEAFWA Considering | $70k (RCN project) |
| Action 5: Develop and maintain new specific databases | **•**Include technical support needs in Needs Assessment process |  |  |  |  |