**Summary of Proposal for Phase II of Designing Sustainable Landscapes**

1. ***Extend the geographic scope of the project to the extent of the USFWS/NEAFWA Northeast Region (13 states + D.C.).***

Includes developing required GIS datasets, extending existing species and ecological integrity models, improving urban growth models, and compiling and disseminating model results.

1. ***Develop climate-habitat capability models for an additional suite of representative species across their range in the LCC.***

The additional 20 species will be selected in consultation with the North Atlantic LCC. Climate niche and habitat capability models will be developed for each species.

1. ***Develop the landscape design and decision-support portion of the project; specifically, to prioritize conservation actions for land protection, management and restoration and other categories identified by managers.***

Decision-support tools will be developed in coordination with resource managers and scientists across the North Atlantic LCC. Workshops for potential users within the three Phase I pilot watersheds (Kennebec, Connecticut, Nanticoke/Pocomoke) are being developed with LCC for summer 2012, which will be used to inform decision-support development. Managers will be involved in guiding decision support throughout the project.

1. ***Improve the forest succession model to incorporate spatial variability within ecological systems.***
2. ***Incorporate a sea level rise model into the LCAD model; to be developed by an LCC or CSC cooperator in coordination with the UMass team.***

This objective is contingent upon development of a suitable sea level rise model.

1. ***Implement the regional connectivity assessment component of the landscape ecological integrity (coarse filter) assessment.***

Extends the ecological integrity assessment to assess regional connectivity (current version includes local connectivity).