

Extending the Terrestrial Habitat map to Atlantic Canada: (January 1, 2013 to January 1, 2015)

Timeline

2013

January: **Establish key contacts and steering committee, Set up subcontracts**
Circulate proposal to potential Canadian partners, host web ex and establish preliminary contacts
Set up subcontracts with CDC and NCC

February – September: **Compile foundation datasets for entire region**
Assess current source and new data revisions for bedrock and surficial geology, aspect, slope, and elevation, and landform, landscape position, and topographic roughness, ecological regions, upland and wetland land cover, stream reaches and hydrological networks, solar radiation, and bioclimatic datasets based on precipitation and temperature. We will also compile and assemble a consistent land cover map for the area.

February – September: **Develop a list of ecological systems for Maritime Canada, Compile plot sample data sets for the region.**
Compile existing ecological systems lists.
Execute contracts for compilation of sample data (CDC data, forest inventory points, etc.)
Meet with Canadian state staff to review list, discuss data, finalize list.
Revise and expand list as needed.
Finalize guidance document
Milestone: Datasets and Classification ready. Vet with Steering Committee

October - January: **Tag compiled plot samples to appropriate ecological systems**
Assign and review all point samples for their appropriate ecological system

2014

February – May: **Develop models for matrix-forming forest using regression tree analysis**
Model tagged samples using data sets of ecological information.
Map the matrix forests onto the landscape using landform-based units.
Milestone: Matrix forest types mapped. Vet with Steering Committee

June - September: **Develop models for the wetland patch systems (swamps, marshes, bogs etc.) and the upland patch systems (barrens, glades, summits, cliffs etc.)**
Model tagged samples using data sets of ecological information.

October: **Host final review and vetting of map components with committee**
Host Web Ex discussions to engage steering committee in final review of map
Milestone: Patch types mapped. Vet with Steering Committee

November-December **Assemble models into one region-wide map and develop legend**

January 2015 **Finalize datasets and post map.**