Massachusetts Land Conservation Tools: Exploring Climate Adaptation

Use the below categories to choose the information sources and tools that will best incorporate **climate adaptation** into your land conservation (protection and stewardship) decisions. Please also visit the **Land Conservation Tools** website for further assistance in choosing the resource(s) best suited to your needs. The website highlights the specific products offered by each resource and their relative ease of use, and lists the resource developers.

What is your land conservation climate adaptation interest?

Rare & Exemplary Communities

BioMap2

SUMMARY
Blueprint for strategic biodiversity conservation

CLIMATE ADAPTATION COMPONENTS
Core areas for species of conservation concern

Core areas for important natural communities

Land Stewardship

Adaptation Workbook

SUMMARY
Identifies on-ground management actions addressing climate change

CLIMATE ADAPTATION COMPONENTS
Forest management actions responsive to climate change

Massachusetts Climate Action Tool

SUMMARY
Information on climate impacts, vulnerabilities, and adaptation actions

CLIMATE ADAPTATION COMPONENTS
Climate change projections

Climate adaptation strategies and actions

Range Changes

Designing Sustainable Landscapes (DSL)

SUMMARY
Landscape-scale modeling for strategic habitat conservation

CLIMATE ADAPTATION COMPONENTS
Current and future landscape capability for selected species

Potential climate change refugia

Massachusetts Climate Action Tool

SUMMARY
Information on climate impacts, vulnerabilities, and adaptation actions

CLIMATE ADAPTATION COMPONENTS
Current and future habitat suitability for selected species

Habitat Connectivity

Designing Sustainable Landscapes (DSL)

SUMMARY
Landscape-scale modelling for strategic habitat conservation

CLIMATE ADAPTATION COMPONENTS
Regional connectivity of natural landscapes

Local terrestrial, wetland and aquatic connectedness

Resilient & Connected Landscapes

SUMMARY
Landscape-scale modeling of resilient interconnected areas and climate corridors

CLIMATE ADAPTATION COMPONENTS
Climate connectivity

Coastal resilience

Nature's Network

SUMMARY
Conservation design (plan) for strategic habitat conservation

CLIMATE ADAPTATION COMPONENTS
Terrestrial and wetland cores and connectors

Aquatic core networks

Regional connectivity and marsh migration

Massachusetts Conservation Assessment & Prioritization System (MassCAPS)

SUMMARY
Landscape-scale modeling identifying areas of high ecological integrity

CLIMATE ADAPTATION COMPONENTS
Local terrestrial, wetland and aquatic habitat connectedness

CLICK HERE FOR A QUICK DOWNLOAD PRINTABLE PDF

At a Glance: Massachusetts Land Conservation Tools Massachusetts

Use this 'cheat sheet' to learn about information sources and tools available to inform land conservation (protection and stewardship) decisions in Massachusetts.

More Tools of Interest

The New England Landscape Futures (NELF) Explorer tool

This tool is unique in incorporating social, economic, and environmental perspectives on potential future land use patterns, and it is the best tool for practitioners interested in exploring these broader and more comprehensive considerations. The future scenarios included in the NELF Explorer all assume that climate change implications are influencing the landscape.

MAPPR - Mapping & Prioritizing Parcels for Resilience

This decision support tool identifies parcels within an area of interest that are the highest priorities for protection based on habitat quality, climate change resilience, water resource protection, parcel size and adjacency to existing protected parcels. MAPPR uses a variety of data sources including BioMap2, a precursor to Resilient & Connected Landscapes, and elements of DSL - Designing Sustainable Landscapes.

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