Beginning *with* HABITAT

An Approach to Conserving Maine's Natural Space for Plants, Animals, and People

www.beginningwithhabitat.org

Primary Map 3

Undeveloped Habitat Blocks & Connectors and Conserved Lands

Knox

This map is non-regulatory and is intended for planning purposes only

LEGEND

This map highlights undeveloped natural areas likely to provide core habitat blocks and habitat connections that facilitate species movements between blocks. Undeveloped habitat blocks provide relatively undisturbed habitat conditions required by many of Maine's species. Habitat connections provide necessary opportunities for wildlife to travel between preferred habitat types in search for food, water, and mates. Roads and development fragment habitat blocks and can be barriers to moving wildlife. By maintaining a network of interconnected blocks towns and land trusts can protect a wide variety of Maine's species—both rare and common—to help ensure rich species diversity long into the future. Maintaining a network of these large rural open spaces also protects future opportunities for forestry, agriculture, and outdoor recreation.

Organized Township Boundary

Unorganized Township

Selected Town or Area of Interest

Habitat Blocks

Development Buffer (*pale transparency*)
250-500 foot buffer around improved roads and developed areas based on development intensity.

Undeveloped Habitat Block
Remaining land outside of Development Buffers. Blocks greater than 100 acres are labeled with their estimated acreage.

Approximate Road Crossing Habitat Connections

Represented habitat connections identified through computer modeling highlight locations where quality habitat is likely to occur on both sides of a given road between undeveloped habitat blocks greater than 100 acres and between higher value wetlands.These representations are approximate and have not been field verified.

Undeveloped Block Connectors
Likely road crossing areas linking undeveloped habitat blocks greater than 100 acres. The threat of habitat fragmentation and animal mortality corresponds to traffic volume.

Yellow lines represent habitat road crossings with daily traffic volumes less than 2000 vehicles per day.

Red lines represent habitat road crossings with daily traffic volumes greater than 2000 vehicles per day.

Riparian Connectors
Likely crossing locations for wetland dependent species moving between waterways and wetlands divided by roads

Blue lines represent riparian road crossings with daily traffic volumes less than 2000 vehicles per day.

Purple lines represent riparian road crossings with daily traffic volumes greater than 2000 vehicles per day.

Highway Bridge Connectors
Highway bridges along I-95 and I-295 that span riparian habitat connecting adjacent but separated habitat blocks.These are locations where species are likely to take advantage of infrastructure to move between habitat blocks.

Conserved Lands

The State of Maine's conserved lands database includes lands in federal, state, and non-profit ownership. It does not include many privately owned conservation lands, especially those protected by local land trusts, or town owned conservation lands. For the most accurate and current information about land ownership, consult with the local assessor and/or other local land management agencies. If public access potential to any of the properties displayed here is uncertain, landowners should be contacted to determine if permission is necessary.

Ownership Type (*transparent layers*)

Federal
National parks, forests, and wildlife refuges. (Includes Canadian conserved lands.)

State
Wildlife Management Areas and other properties managed by the Department of Inland Fisheries and Wildlife, state parks, and parcels managed by the Bureau of Parks & Lands.

Municipal
Town parks, water district properties, community forests, etc.

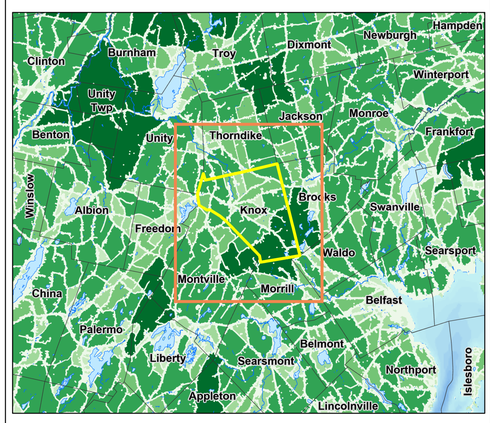
Private Conservation
Properties owned and managed by private (usually non-profit) organizations such as The Nature Conservancy, Maine Coast Heritage Trust; Trust for Public Land, and local land trusts.

Easement
Voluntary legal agreements that allow landowners to realize economic benefit by permanently restricting the amount and type of future development and other uses on all or part of their property as they continue to own and use it.

Aerial Imagery

Aerial imagery is often the best tool available to visualize existing patterns of development and resulting changes in the natural landscape. By depicting undeveloped habitat blocks, habitat connectors and conserved lands with aerial photos, the map user can more easily identify opportunities to expand the size and ecological effectiveness of local conservation efforts.

Regional Undeveloped Blocks



Developed Areas
0 - 250 acres
250-500 acres
500-1,000 acres
1,000-5,000 acres
> 5,000 acres

1 : 325,000 **1 inch equals 5 miles**

Data Sources

DATA SOURCE INFORMATION

TOWNSHIP BOUNDARIES
Maine Office of GIS: *metwp24* (2021)
ROADS
Maine Office of GIS, Maine Department of Transportation): *medotpub* (2021)
HYDROLOGY
U.S. Geological Survey: *NHD_Maine* (2016)
UNDEVELOPED HABITAT BLOCKS, DEVELOPMENT BUFFER, CONNECTORS
Maine Department of Inland Fisheries and Wildlife (2020)
CONSERVATION LANDS
Maine Department of Agriculture, Conservation, and Forestry, Land Use Planning Commission, Maine Department of Inland Fisheries and Wildlife: *Maine Conserved Lands* (2023)
AERIAL IMAGERY
U.S. Department of Agriculture: *NAIP 2018* - state-wide 1-meter color orthoimagery

DATA SOURCE CONTACT INFORMATION

Maine Office of GIS - http://www.maine.gov/megis/catalog/
Maine Dept. of Agriculture, Conservation and Forestry - http://www.maine.gov/dacf/
Maine Dept. of Inland Fisheries & Wildlife - http://www.maine.gov/ifw/
Maine Department of Transportation - http://www.maine.gov/mdot/
Maine Department of Environmental Protection - http://www.maine.gov/dep/

DIGITAL DATA REQUEST

To request digital data for a town or organization, visit our website.
http://www.beginningwithhabitat.org/the_maps/gis_data_request.html

Scale: 1:24,000
Projection: UTM 19N
Datum: NAD 1983

Supported in part by Maine Outdoor Heritage Fund lottery ticket sales

Map Prepared by Maine Department of Inland Fisheries & Wildlife
October 2023

Supported in part by Loon Conservation Plate funds