



In This Issue

[New Maps in the Gallery!](#)

[How I Use GIS: David Kimball, Mass DCR at Walden Pond](#)

[GeoMath with GIS](#)

Map Gallery

New maps available from Concord GIS!

CTRL-Click on a map title to view, download or print the full-sized map

[Chamber of Commerce
Cultural District Map](#)



[Town Meeting
Map](#)



[Historic
Walking Map](#)



*(part of a new
DPLM brochure)*

[Bruce Freeman
Rail Trail](#)



[Back to Top](#)

How I Use GIS: David Kimball, DCR

The Massachusetts Department of Conservation and Recreation (DCR) have just opened a new Interpretive Exhibit space at the Walden Pond State Reservation. GIS played a significant role in the creation of one exhibit: a three-dimensional map of the Walden Pond area.



David Kimball, GIS Specialist at the DCR, gathered the data for the enormous map from a variety of sources, including Mass GIS, DCR GIS, FEMA/USGS, Salem State University and Wellesley College. Russ and I sent along the 2016 aerial photography which provides a lovely background for the other data (town bounds, trails, points of interest etc.)



Love those tree shadows – so realistic!

David says, “The map turned out great due to enthusiastic cooperation from a variety of partners. The map provides a unique view of the pond you can’t even get from a helicopter. You can see the surrounding landscape in three dimensions and even get a view of the pond bottom that was shaped by glaciers over 10,000 years ago.”

[Back to Top](#)

GeoMath with GIS

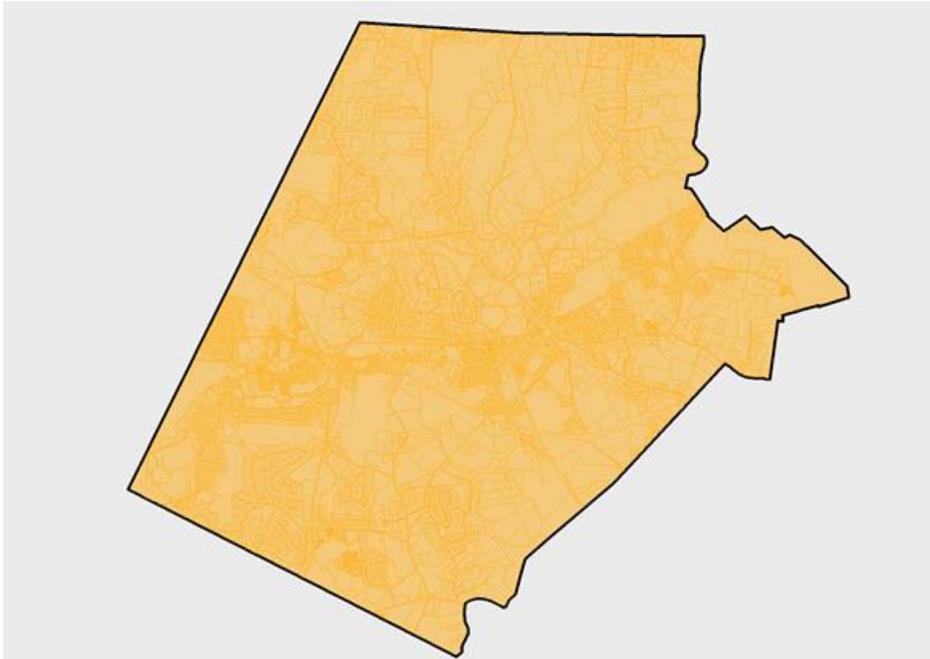
Affordable Housing (40B) guidelines set a target percentage of a Town's land area to be devoted to 40B housing. We needed to determine Concord's current percentage, using a new GIS-based procedure.

Numerator: Acres devoted to existing SHI Sites (*affordable housing*)

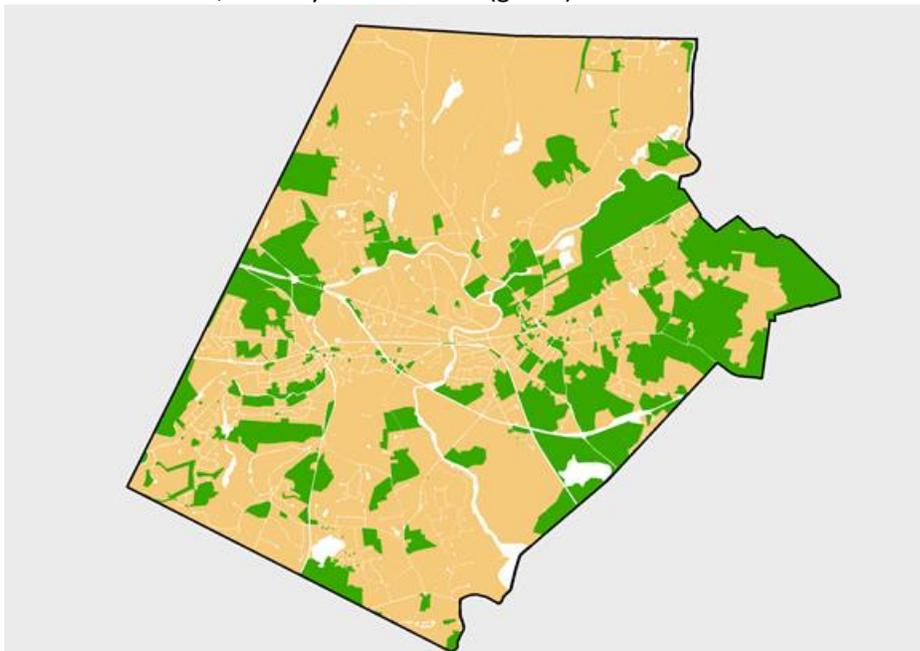
Denominator: Total eligible acreage, excluding water bodies, road and railroad ROWs, and publicly-owned land

Denominator

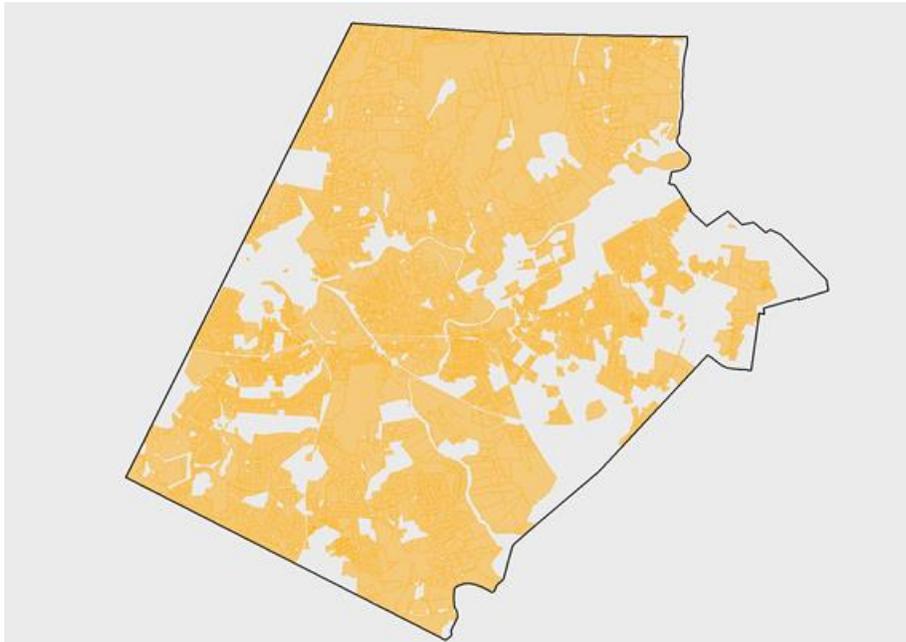
1. Start with Concord's entire area: 16,532 acres



Exclude Water Bodies and Public ROWs; Publicly-Owned Land (green) to be excluded next.

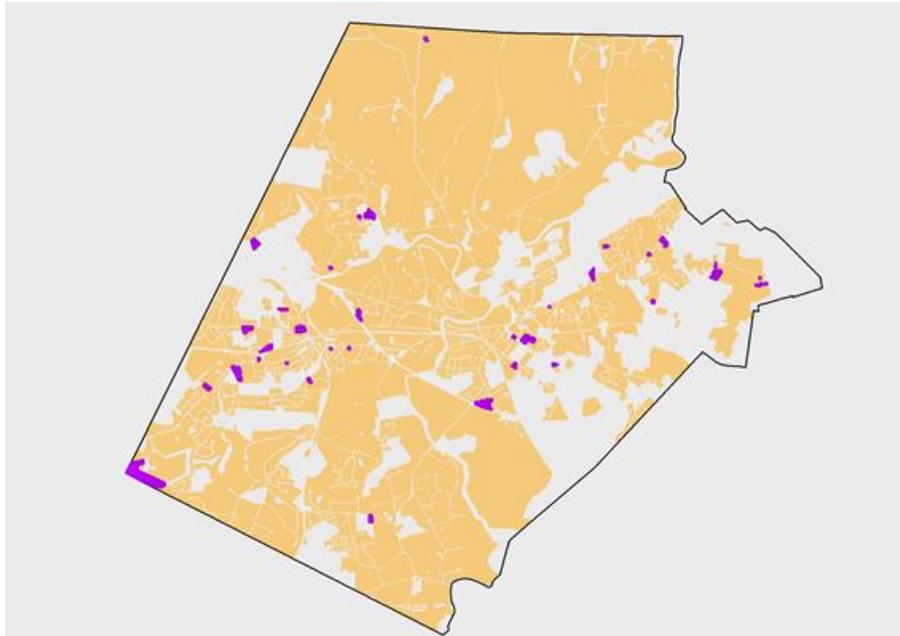


Exclude Publicly-Owned Land to get Concord's eligible-land Denominator: **11,033 acres**



Numerator

Eligible Land Area associated with Affordable Housing parcels (purple): **76.7 acres**



Answer

0.7% of Concord's eligible land area is currently devoted to Affordable Housing

[Back to Top](#)