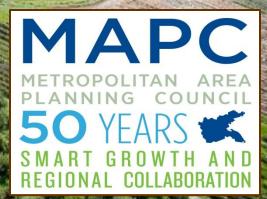
Agricultural Planning Program Update Minuteman Subregion November 21, 2013







Partners

• U.S. Department of Agriculture's Natural Resource Conservation Service

- University of Massachusetts Extension Center for Agriculture
- Massachusetts Farm Bureau Federation
- Massachusetts Department of Agricultural Resources
- Massachusetts Association of Agricultural Commissions
- Tufts New Entry Sustainable Farming Project
- Town of Boxborough Agricultural Commission
- Town of Concord Agricultural Commission
- Town of Lincoln Agricultural Commission
- Town of Littleton Agricultural Commission
- Town of Stow Agricultural Commission
- Conservation Law Foundation
- Sudbury Valley Trustees
- Regional Farmers
- Land for Good
- MA Audubon
- MANY OTHERS!

Goals

- Ensure Economic Viability of Agricultural Practices
- Protect Sustainable Food Sheds
- Create Positive Relationships Between Farmers/Ranchers & Municipal Officials



Tasks



- ✓ Conduct Municipal Survey & Farmer Interviews
 - Identify & Engage Stakeholders
- Hold Agricultural Forum
- Identify Barriers to Practice
- **Develop Tools & Guidance to Overcome Barriers**
- Identify New Agricultural Opportunities
- Create Guidance / Action Plan

What we Heard:

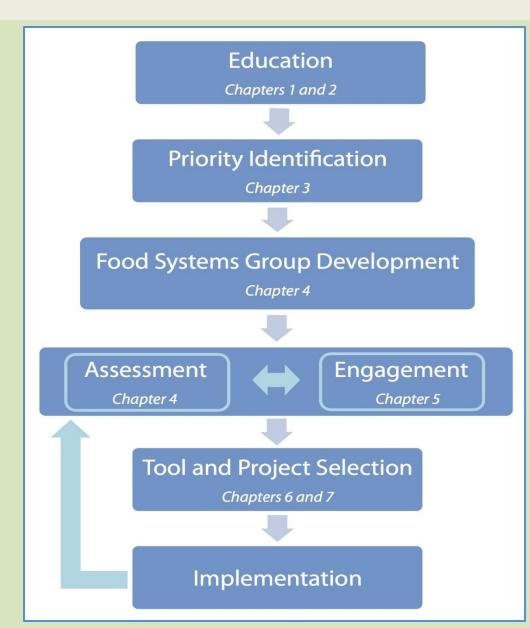


Based on participant feedback from March Agricultural Forum

Partners Got To Work!

Торіс	Partner
Land Tenure & Access	Land For Good
Land Protection & Management	Sudbury Valley Trustees
Economic Development	Conservation Law Foundation Ventures
Zoning/Regulatory	Conservation Law Foundation
Public Education	New Entry Sustainable Farming Project
Marketing & Municipal Support	Massachusetts Farm Bureau Federation
Incorporating Agriculture Into Planning	Metropolitan Area Planning Council

Food System Guide For Municipalities







Project Guides

PRODUCTION

- Urban & Peri-Urban Agriculture
- Soil Contamination & Safety

PROCESSING

- Community Kitchens
- Health Codes for Community Kitchen and Farmers' Markets

DISTRIBUTION

• Food Hubs

CONSUMPTION

- Healthy Corner Stores
- Farmers' Markets

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Composting Programs

Subregional Mapping

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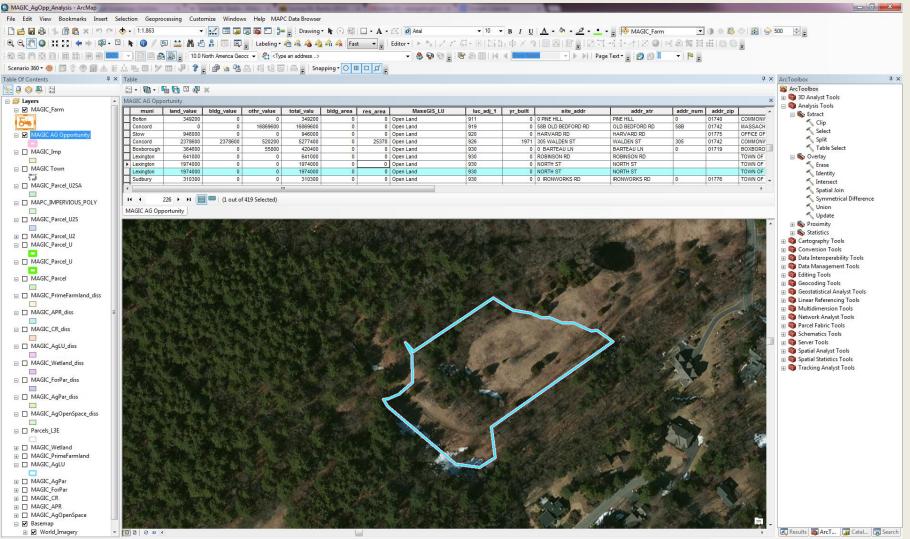
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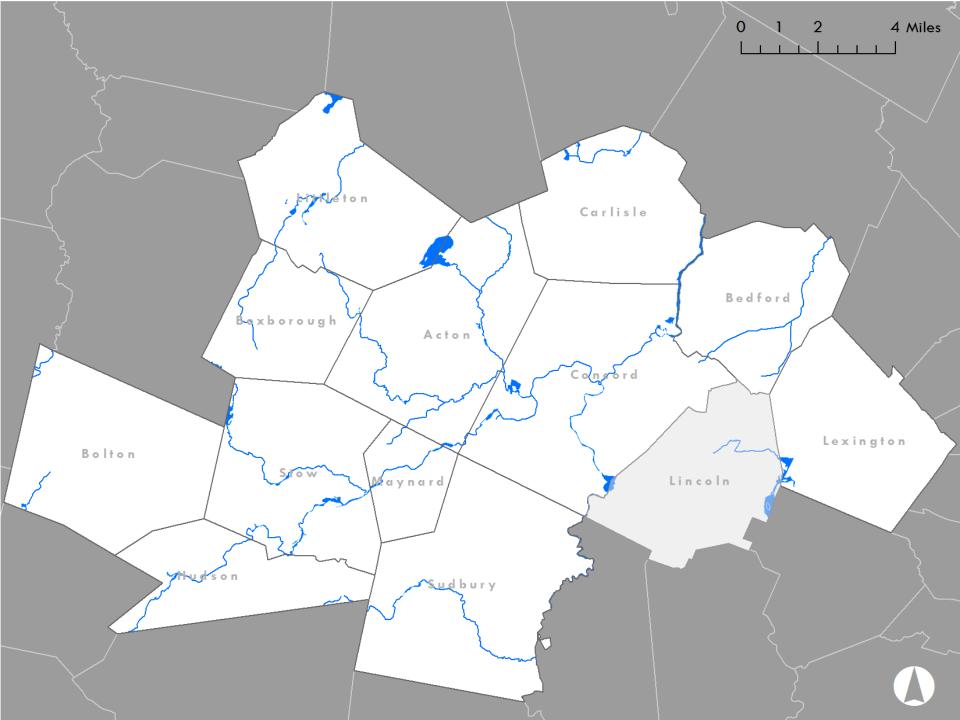
Exploring Agricultural Opportunities - Spatial Analysis

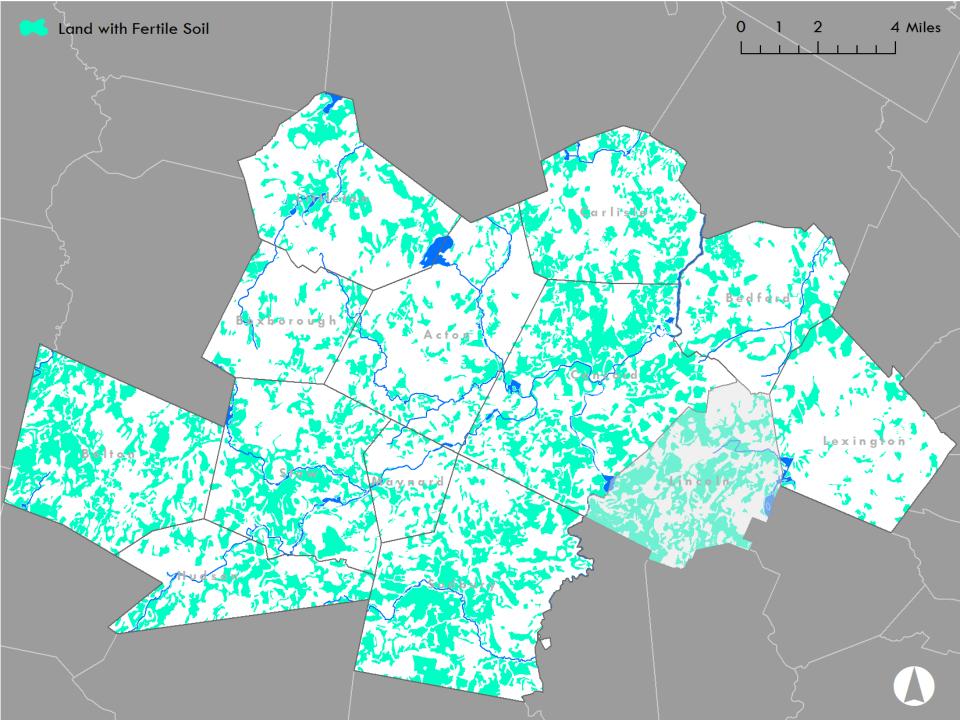
- Goal
 - Identify land with potential agricultural opportunities in MAGIC
- Data
 - Parcel, soil, land use, and wetland data
- Method
 - MAPC develops a Geographic Information Systems (GIS) model to find parcels that contained deforested prime farmland soil greater than 2 acres in an individual parcel, and occurring outside of protected wetlands.
 - The methodology is based on prior studies in Littleton, Groton, and Hampden County, and is further revised by MAPC staff.

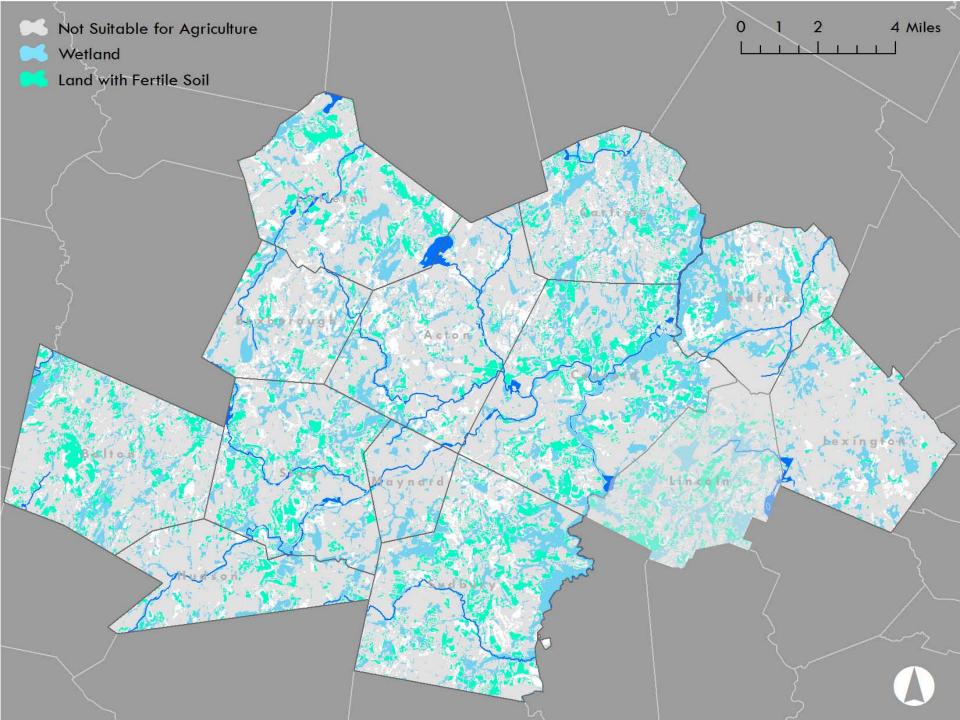
GIS Tool Interface

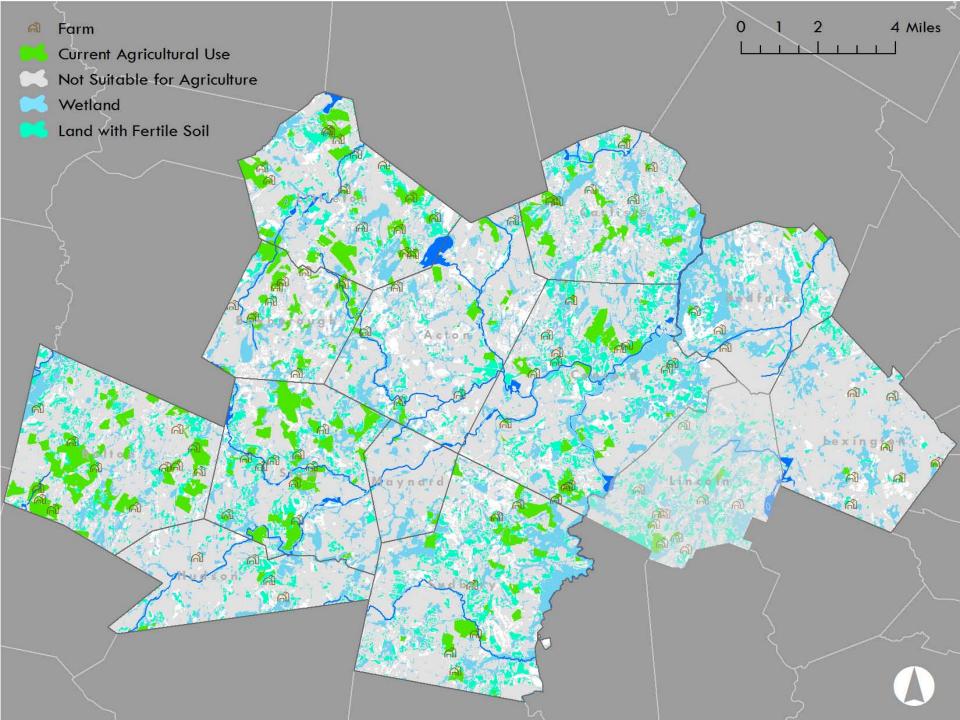


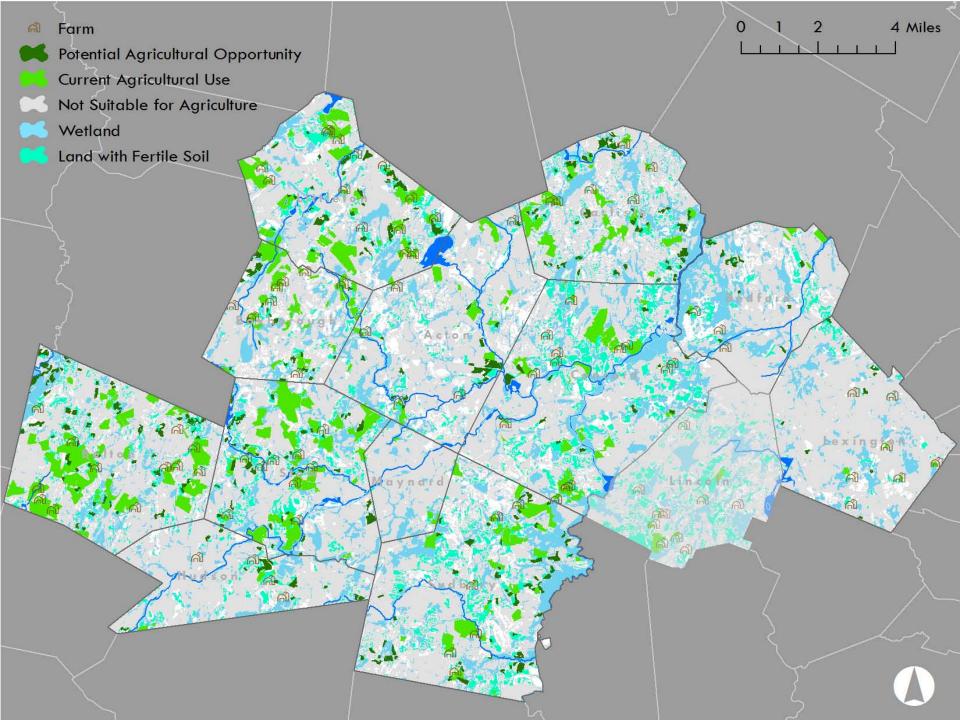
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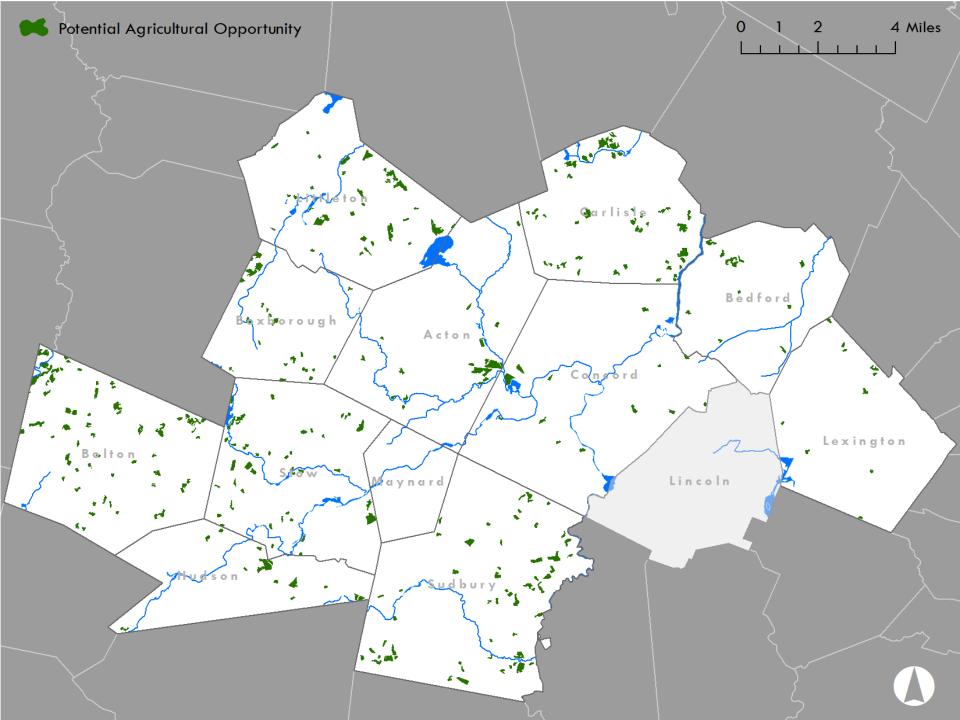






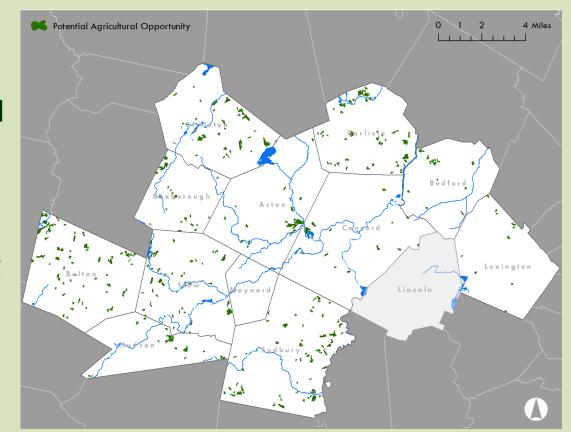






Results

- 400+ Parcels (2,000 acres)
- Opportunities:
 - Transform Vacant Land to Cropland, Pastures or Orchards,
 - **o Family Farming**
 - Community Gardening (Low-Density
 Residential Areas)
 - **Residential Areas)**



Findings







Working Land Protection and Management



Consortium for Sustainable Communities

Farmland Protection – Current status

Within the MAGIC subregion, there are approximately 724 private or municipal properties permanently protected through CRs or APRs.

- 42 APR's
- 675 CRs
- 7 CR/APRs



Wayland hayfield, protected with a CR in the 1990's

Potential sources of conflict

Changing nature of farming may involve more infrastructure







Balancing scenic, agricultural, and habitat resources

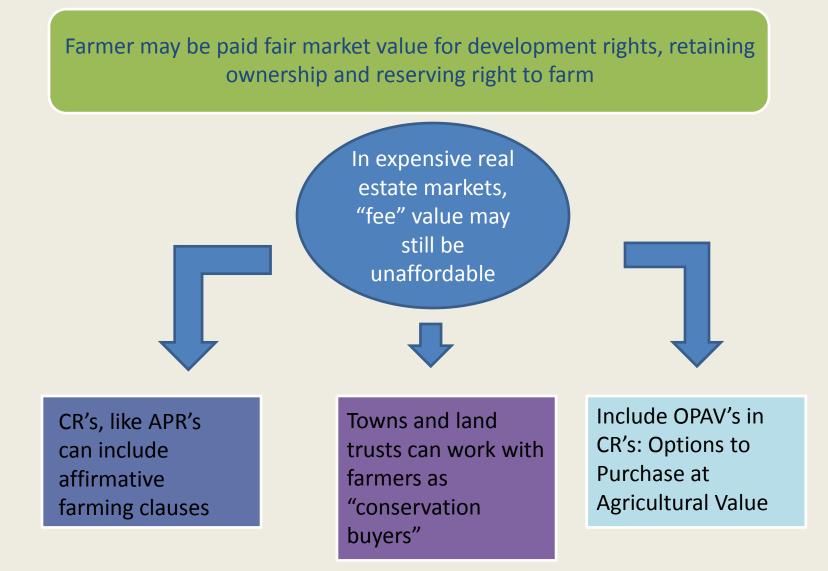






Use of public funds for agricultural land protection – what's expected in exchange?

Keeping farmland affordable – do CR's and APR's help?



Best Practice Examples



Mount Grace Conservation Trust: whole farm affordability." will acquire farmland, but the farmer will own the buildings on that farmland. Mount Grace will then grant a 99-year lease on the land at a rate that keeps farming viable, and relieves the land trust from having to own and manage structures.

Maine Farmland Trust: "Farm Link" program links farmers with farmland, "Buy-Protect-Sell" program preserves available farmland, "Farm Viability" program provides technical assistance to farmers.





Peconic Land Trust (NY): Purchases and holds CR's on farmland, provides educational programs through its Agricultural Center and farm, partners with Long Island Farm Bureau on technical support.

Assessment & Recommendations

Adopt municipal procedures and or policies for land acquisition Adopt policies for licensing and managing agricultural lands and restrictions Be informed about conservation restrictions in practice

Land trusts and the state partner on outreach and training Utilize and increase capacity of non-profit farming organizations Create partnerships between local land trusts and municipalities

Update open space and recreation plans

Adopt the Community Preservation Act



Local Economic Development and the Food System: Learning from MAGIC and Beyond

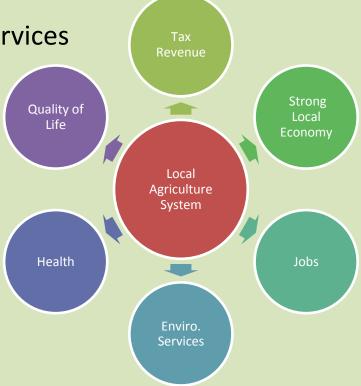


Consortium for Sustainable Communities

Why should municipalities invest in agriculture and farmland protection as an economic development engine?

A Virtuous Cycle: Economic Benefits of Local Agriculture

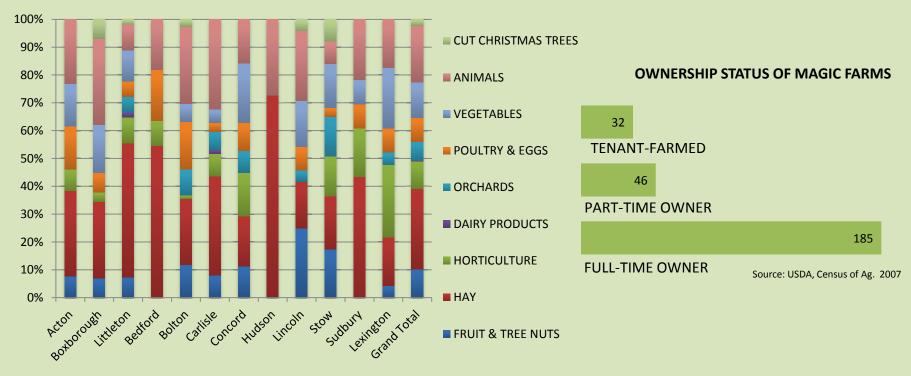
- Tax Revenue Contribution/Municipal Services
- Strong and Resilient Local Economies
- Employment
- Preserving Character and Tourism
- Environmental Services
- Healthier Residents through Local Food



What agricultural activities are happening here?

The estimated market value of agriculture products for the MAGIC subregion is \$27,899,566.00. The average household in the Boston area spends \$8,072 on food each year. Imagine the economic benefit if only 10% of this purchasing power could be shifted to local suppliers.

AGRICULTURAL COMMODITIES ON MAGIC REGION'S FARMS



Local Food Systems : Life Cycle Stages and Examples of Local Best Practices



Best Practice Examples

Building Local Food Connections A Community Food System Assessment Concord, Massachusetts



Prepared for the town of Concord represented by the Concord Community Food Project Steering and Advisory Committee

The Conway School | Winter 2012 | Christina Gibson and Jamie Pottern

Western MA Food Processing Center: How to provide shared-use kitchen and business services to local farmers and food startups—as well as thousands of pounds of local vegetables to community schools

Concord Food System Assessment: How to take stock of and plan for the local food system while illustrating the benefit of numerous local agricultural businesses to the community





Caretaker Farm, Williamstown: How a multi-stakeholder and community financed process can protect local agriculture and help a farm family retire

Assessment & Recommendations

Ensure that Traditional Begin with a Implement Publicity Municipal Tools such as **Community Food and** and Recognition Efforts Agriculture Assessment Permits and Tax Rates in Coordination with for MAGIC Support the Local Food Local Groups **Communities** System Cultivate Workforce Support Farm Viability Promote Communitywith Supplemental based Agricultural Development, Training, and Education **Revenue Streams** Financing Look for Opportunities Explore Possibilities for **Encourage School** to Support Municipal Financing of **Districts to Purchase** Infrastructure Planning Farm Worker Housing Local Food and Investment Seek the Help of

Appropriate Partners





The Farm Friendly Neighbor Program: Creating a Farm Friendly Massachusetts



Consortium for Sustainable Communities

Finding:

A lack of public knowledge of agricultural practices and benefits leads to conflicts and misunderstandings between farming and non-farming neighbors.

These conflicts drain farmers' time and decrease a farmers ability to effectively manage an agricultural operation.





Solution:

Municipalities & farmers working together to fill the public information gap.







Best Practices Examples

CT AgVocate Program



Provides towns with technical assistance to:

- Initiate Ag Commissions;
- Review and implement tax reduction;
- Plan for farmland protection;
- Encourage buy local opportunities;
- Explore methods to promote farms;
- Include agriculture in town plans; and
- Pass right-to-farm ordinances.

MA Buy Local Organizations



Regional Buy Local Groups have helped generate consumer awareness and demand for locally grown food products while at the same time improve logistical access to these important food sources.

Assessments & Recommendations



Working in conjunction with planners and local Agricultural Commissions, the Farm Friendly Neighbor Program (FFN) will build community support for local agriculture by:

Increasing access to knowledge about:

- 1. Benefits of local agriculture,
- 2. Common farming practices in Massachusetts, and
- 3. Ways residents can support working farms.

Adjusting municipal policies and increase municipal mechanisms to

- 1. Support local agriculture,
- 2. Provide resources to residents inquiring about agricultural issues, and
- 3. Better deal with complaints relating to agricultural practices.

Thank You!

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