Plan & Policy Proposal for Urban Agriculture in Roxbury, MA



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Urban Agriculture Context

- Resources to sustain the Urban Agriculture Program/ Plan;
- Capacity to keep going with the Program (sites, infrastructure, design, production);
- Motivation/Incentives from stakeholders, city, communities (social and financial).



Agenda



Boston Urban Agriculture Context



How can a city redevelop underutilized urban parcels to ensure accessible green space and sustain urban agriculture?

Environmental resilience Integrate urban greenspaces into the city fabric Increase, enhance, and preserve green spaces + Access **Optimize land use** Foster connections Designate selected between local businesses, sites for Urban artists, developers, and Agriculture urban farming networks

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INY URBAN AGRICULTURE IN ROXBURY?

Land inventory

CHL

RUXBUK

A growing community

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Activate green space

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Roxbury data



Source: Boston Open Space & Recreation Plan 2015- 2021

Site Selection



Site Selection

Main Street Districts

Total: 25 sites 130,000sqft



Green Corridor : Blue Hill Avenue



Open Space



Parcel number:	1100500001
Address:	66 Fort Ave
Square ft.	8400
Zoning:	
Public Transportation:	14 and 41 Bus line
Existing Condition:	Site cleaned, fenced covered with grass and a few medium size trees
Environmental Justice Criteria:	Zone 1
Surroundings:	Adjacent from community garden
Potential Use:	Add garden and park infrastructure







Greener Corridors





By: Logan Capone (Boston University UA805) 3/12/18



Public Schools



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How can a city redevelop underutilized urban parcels to ensure accessible green space and sustain urban agriculture?

Category Policy		Goal
Community Access	 Invest in existing small scale community gardens Enhance existing open spaces with garden infrastructure Provide training and education opportunities for the local community 	• Attracting community members and local business to participate in urban agriculture
Resiliency	 Designate DND parcels for urban agriculture Develop and distribute an inventory management plan 	• Redevelop DND parcels to increase the amount and distribution of green spaces
Land Use	 Implement Pilot Projects for community gardens and farmer's markets Incentivize businesses by providing low-cost land to those who will develop mixed-use gardens and open spaces with public access 	 Alliances among stakeholders leading to new opportunities & support
Feasibility / Finances	1. Encourage non-profits to partner with businesses, institutions such as hospitals and universities, local artists, & philanthropic organizations	 Make the redevelopment of land for urban farming affordable

Recommendations

01	Create an online platform	Maps for community gardens, farmers markets, and land inventory Connect artists, restaurants, businesses, farmers, residents Accessible resources on how to grow, volunteer, and support
02	Track & publish outcomes	Metrics: Land inventory for Urban Agriculture, Food production, Employment Online Platform Urban Agriculture Census
03	Emphasize urban agriculture in climate initiative	Increase activated green space Local food production makes a resilient and sustainable city Mitigate impacts of climate change such as heat island effect and flooding

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Thank you

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And to all of our classmates!

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Direct stakeholders



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Roxbury & Boston Residents by Race 2015



Roxbury Occupied Housing Units 1950-2015



Portland, Oregon



Community Supported Agriculture Program:



Source: www.portlandcsa.org/what-is-csa

Vancouver, Canada



Join a community garden in your neighbourhood

Vancouver has over 110 community gardens in city parks, in schoolyards, and on private property. There's even a community garden at City Hall.

- **Greenest City Action Plan:** Increasing the impact of urban agriculture through the development of new community gardens and urban farms
- Tracking Outcomes:

VANCOUVER URBAN FARMING CENSUS 2014 to 2016

Source: http://vancouver.ca/people-programs/community-gardens.aspx

Urban Agriculture is the practice of growing fruit, vegetables, and raising animals in a urban environment.

Types of Urban Agriculture:

- Community gardens
- School Garden
- Urban farming
- Urban orchards
- Rooftop farms
- Freight Farming







Review



(Source: Article 89 City of Boston)

(Source: Studio G Architects)

Access to healthy food for communities

> Food security, food education, smart-growth



Resilience to climate change



Create new business opportunities and job growth

Rooftop farms, farmers markets, restaurants, entrepreneurs



(Source: Article 89 City of Boston)

Reduce heat island effect, increase green space, shorten 'farm to fork' distance