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# Urban Agriculture in NB

Ralph W. Voorhees Public Service Fellows Fall 2011

Community Partner: Elijah's Promise

Instructor: Kathe Newman, Edward J. Bloustein School of Planning and Public Policy, Rutgers

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*St. Philip's Academy Newark Spring 2011*

## Course Description

During the 2011 Fall Semester, a talented group of six (4 undergraduate and 2 graduate) Ralph W. Voorhees Public Service Fellows and other students will work with Elijah's Promise to research the potential for developing urban agriculture in New Brunswick. [Elijah's Promise](#) is a community based organization in New Brunswick that seeks to alleviate poverty and hunger by providing job training, small business development, education, jobs, and services. Students will explore the potential to grow and process food in the city, assess the local market to purchase locally grown food, and consider how urban agriculture can enhance economic development opportunities by identifying models for growing and processing food that are linked to job training, education, and entrepreneurial business development. Students will produce a report and implementation plan that includes models from other cities.

Elijah's Promise has asked us to:

1. Explore the potential for urban agriculture in the city of New Brunswick.
2. Explore how food production, processing, and distribution can happen in an urban setting. How can job training and small business development programs be linked?
3. Assess the purchasing power for locally grown food in New Brunswick.
4. Produce a report and presentation with policy recommendations for New Brunswick and a suggested implementation plan.

To do this, the class will divide into three teams: Mapping, Urban Agriculture, and Local Buying Power. At the end of the term, everyone will also become a member of the report and presentation team. You can join more than one team. Each team will have a team leader.

*Team leader job:* Arrange work team meetings, communicate with Instructor, keep track of team member work assignments, and ensure that work is completed according to the work plan schedule.

*Team member job:* Work collaboratively, creatively, and enthusiastically with your team leader and complete all assignments on time.

Below is a description of what each team will work on. On Sakai, you will find a color coded work plan. Each team has its own color and each task is color coded by week so that you know when teams will be working on different tasks and when final products are due.

## **MAPPING TEAM**

### **1. Explore the potential for urban agriculture in the city of New Brunswick.**

- Where does urban agriculture happen in the city and where might it happen? (i.e. community gardens, Rutgers University, roofs, yards, open space).

- *Map existing and potential space for urban agriculture in New Brunswick*

- *Create a master map of the city (streets, parks, parcels, building foot prints, rail, satellite photo and/or ortho photo layers ). Print poster-sized reference map for studio workspace*

- *Identify where agriculture currently happens (community gardens, greenhouses and garden/farm spaces at Cook, other places)*

- *Start with a satellite map and/or Bing to identify greenhouses and farming spaces. Can the students at Cook help? To finalize what we see on Cook, can we partner with Cook students for a detailed tour of Cook? What do they grow in greenhouses and over there? Who uses the land and for what?*

- *Look at MODIV data that is linked to the parcels. Sort by tax code. Create a new variable and identify publicly owned property, non-profit owned property, Rutgers, UMDNJ, and other large institutions.*

- *Map what you identify in the prior step and add the building footprints layer. Are there any potential places to garden/farm?*

- *Use the satellite and ortho photos and what you found from the property survey above, are there any potential rooftops that could be used for gardening space? We're not worried yet about load issues. We just want to pull out flat roofs with some potential for growing.*
- *Work with students at Cook to physically check out potential parcels*
- *Pull information gathered by the other teams about what makes a good spot for urban agriculture, processing, and distribution and identify some top spots for each*
- *Produce a final urban agriculture map for the city of New Brunswick that shows existing agricultural efforts as well as areas for future efforts*

## **URBAN FOOD PRODUCTION, PROCESSING, DISTRIBUTION TEAM**

### **• 2. Explore how food production, processing, and distribution can happen in an urban setting. How can job training and small business development programs be linked?**

- What makes a site good for urban agriculture? What kinds of restrictions are there?
  - Review literature, Internet research (the resource guide at the end of the syllabus provide a place to start)
  - What do you learn from meeting with Jack Rabin at the Cook Student Farm?
- Identify innovative urban agriculture production, distribution, processing models.
  - Think about the usual ways and conduct Internet and library research to identify methods, approaches, and other options for growing food in cities. Can you identify a few traditional approaches and some that are not so traditional?

- Make a chart that lists the type of production on the left and then identify things that would allow us to think through them in the columns to the right. Think about things like how much water, sunlight, soil, food, space, etc...
- What models exist that link job training and small business development?
  - *To do this we will research existing models using Internet and library research*
- What happens to food scraps and waste from institutions and businesses?
  - What volume of materials is produced?
    - *Talk with staff at major institutions and shops to estimate food scrap volume (we think the dining halls may sell food to farmers as compost).*
  - Are scraps composted? If not could they be directed to urban agricultural efforts?
    - *Identify existing models for composting through Internet and library research. What are the benefits? limitations? How do people increase the benefits and reduce the limitations?*
- Finding water for urban agriculture is a challenge.
  - How do other urban agriculture projects get water?
  - Could water be captured and recycled for urban agriculture?
    - *Identify models for capturing and reusing water in urban agriculture through Internet and library research.*
- The growing season is a limitation to any business model. What is the growing season in NB and how could it be extended?
  - *Identify models for using alternative energy sources to extend the growing season through Internet and library research.*

## **LOCAL BUYING POWER TEAM**

### **3. Assess the purchasing power for locally grown food in New Brunswick.**

- Identify the institutions and the people within them that do large institutional produce buying in and around New Brunswick. Invite them to participate in a panel discussion on October 14th in class.
- How much do New Brunswick institutions, businesses, and individuals (individual purchasing power will be estimated using Census data) spend on fresh produce each year?
- If institutions and businesses had access to fresh local produce, would they opt to spend a greater share on fresh produce?
- What would make it possible for them to buy local? Would they need a certain volume? product? timing?

### **4. Produce a report and presentation with policy recommendations for New Brunswick and a suggested implementation plan.**

#### **Undergrad Absenses**

If you miss class, please use the University absence reporting website <https://sims.rutgers.edu/ssra/> to indicate the date and reason for your absence. An email is automatically sent to me.

#### **Course Materials**

Materials are available on the Sakai course website  
GIS files are located on common in the CDSF511 folder

## Meeting Dates and Project Plan

### September 2. Introductions, Client Meeting, and Tour of Elijah's Promise

9:50 Class introductions, studio/project overview, expectations, select teams

11:00 Walk over to the soup kitchen at 18 Neilsen Street - Elijah's Promise for client meeting and tour

Learn about Elijah's Promise here <http://www.elijahspromise.net/>

### September 9. Ralph W. Voorhees Center Naming Event

10:00-12:00 Attend the Ralph W. Voorhees Center Naming Event (dress nicely)

PolicyLink. 2011. *Healthy Food, Healthy Communities: Promising Strategies to Improve Access to Fresh, Healthy Food and Transform Communities*. PolicyLink.[http://www.policylink.org/atf/cf/{97c6d565-bb43-406d-a6d5-eca3bbf35afo}/HFHC\\_FINAL.PDF](http://www.policylink.org/atf/cf/{97c6d565-bb43-406d-a6d5-eca3bbf35afo}/HFHC_FINAL.PDF)

### September 15th. 2pm GIS Team working meeting with Professor Lyna Wiggins and Professor Newman

*Meet in the Computer Lab. The space is reserved for the Food Project (372A)*

### September 16. Limits and Potential of Urban Agriculture

11:00-12:30 Visit to Cook Student Farm and tour with Jack Rabin, Director of Farm Programs, Rutgers Agricultural Extension Station. All teams think and take notes about benefits and limitations of urban agriculture, strategies for engaging in urban agriculture (production, processing, and distribution), and the things we should look for in choosing a lot and/or roof.

### September 23. Visit to Paterson and Engaged Community Planning

We will visit Paterson, NJ to learn about New Jersey Community Capital's community planning work as they transform the industrial city into the post industrial city. Their efforts include transforming Raceway Park into a National Historic Park. Ralph W. Voorhees Fellows and studio members will mentor Byrne Seminar Students (First year Rutgers students) and do a collaborative project with Paterson Youth Corps members.

#### TENTATIVE AGENDA

9:00 AM meet outside the Bloustein School (33 Livingston Avenue, New Brunswick).

- Please be on time as we are leaving promptly at 9AM.
- Don't forget to eat breakfast!
- Wear good walking shoes

10:00 AM arrive at Paterson Museum (2 Market Street) Paterson, NJ 07501 <http://www.patersonmuseum.com/index2.html>

- Tour Paterson Museum
- Tour Raceway Park and the Great Falls

12:00 AM arrive at NJCDC (32 Spruce Street)

- Lunch in atrium
- NJCDC presentation of the Greater Spruce Street Neighborhood Plan

1:30 Participatory Project

- NJCDC Youth Corps, Byrne Seminar Students, Ralph W. Voorhees Fellows

3:30 Depart for New Brunswick

New Jersey Community Development Corporation and Great Falls State Park

<http://www.njcdc.org/revitalizing/great-falls-state-park/>

Greater Spruce Street Neighborhood Plan. Accessible at Hamilton Partnership for Paterson.

<http://www.hamiltonpartnership.org/preservation-development/urban-planning>

### **September 30. Team Teach In**

### **October 7. Research**



Check potential agriculture sites in the field with Cook Students

**October 14. Research**

**October 21. Rough Team Drafts Due**

**October 28. Final Draft Revision**

**November 4. Final Report and Presentation Development**

Writing, finalizing map(s), presentation preparation

Each team will write its own section and identify strategies to move forward. These should be divided into three categories - immediately possible, near future, and long term

**November 11. Final Report and Presentation Development**

Writing, finalizing map(s), presentation preparation, slides finished, presentation text to present complete, report ready for final proofread

**November 18. Final Report and Presentation Development**

Presentation dry run

**November 25. Thanksgiving**

**December 2. Formal Presentation Dry Run - EJB Community is Invited**

**December 9. Final Presentation in New Brunswick (10:00-12:00 EJB Room 170)**

## Resources

New Brunswick has an impressive array of high capacity organizations, individuals, and businesses that have been working on food, health, and poverty issues for decades. They have already done an extraordinary amount of work and New Brunswick is home to some of the most innovative models in the Country. Here we bring together some of the most recent work that has been done in New Brunswick to increase the community's food security.

## Studies

- Fenyk, Heather. 2011. Draft language on food security for the NB Master Plan.
- Fitzgerland, Nurgul. 2010. New Brunswick Community Survey: What the Residents Have Told Us. Department of Nutritional Sciences. Rutgers University Cooperative Extension New Brunswick.
- Lloyd, Kristen, Ohri-Vachaspati, Punam, Brownlee, Susan, Yedidia, Michael, Gaboda, Dorothy, and Chou, Jolene. 2010. *New Jersey Childhood Obesity Survey*. Chartbook: New Brunswick. Rutgers Center for State Health Policy.
- Ohri-Vachaspati, Punam. 2010. *The New Jersey Childhood Obesity Study*. New Brunswick. School BMI Data. Rutgers Center for State Health Policy.
- \_\_\_\_\_. 2010. *The New Jersey Childhood Obesity Study*. New Brunswick Food Environment Maps. Rutgers Center for State Health Policy.

## **Urban Agriculture Resource List**

Prepared by Caitlin Salemi, MCRP

### **About Urban Agriculture**

Bellows, Anne, Brown, Katherine, and Smit, Jac. "Health Benefits of Urban Agriculture." <https://www.foodsecurity.org/UAHealthArticle.pdf>.

Community Food Security Coalition (CFSC). 2003. "Urban Agriculture and Community Food Security in the United States: Farming from the City Center to the Urban Fringe." A primer prepared by CFSC's North American Urban Agriculture Committee. <http://www.foodsecurity.org/PrimerCFSCUAC.pdf>.

Kaufman, Jerry and Martin Bailkey. 2000. "Farming Inside Cities: Entrepreneurial Urban Agriculture in the United States." <http://www.urbantilth.org/wp-content/uploads/2008/10/farminginsidocities.pdf>.

World Hunger Year (WHY). "Food Security Learning Center: Urban Agriculture" <http://www.whyhunger.org/programs/fslc/topics/urban-agriculture.html>.

### **General & Related Networks, Listservs, Websites, and Other (not exhaustive)**

American Community Gardening Association (ACGA). <http://www.communitygarden.org/>.

American Planning Association. 2010. "Zoning Practice: Urban Agriculture." Issue 3.

American Planning Association. 2007. "Policy Guide on Community and Regional Food Systems Planning." <http://www.planning.org/policy/guides/adopted/food.htm>.

City Farmer News. <http://www.cityfarmer.info/>.

City Sprouts. <http://www.citysprouts.org/>.

Collective Roots. "Urban Agriculture Resources and Links." [http://www.collectiveroots.org/initiatives/foodsystem/urban\\_agriculture/resources#UrbanAgResearchResources](http://www.collectiveroots.org/initiatives/foodsystem/urban_agriculture/resources#UrbanAgResearchResources).

Community Food Security Coalition (CFSC). "Urban Agriculture Committee." [http://www.foodsecurity.org/ua\\_home.html](http://www.foodsecurity.org/ua_home.html) (Listen to previous monthly conference calls: [http://www.foodsecurity.org/ua\\_home.html#archive](http://www.foodsecurity.org/ua_home.html#archive), Subscribe to their Listserv: <https://elist.tufts.edu/www/subscribe/urbanag>)

Growing Power. <http://www.growingpower.org/>.

Grown in the City. <http://growninthecity.com/>. (Includes an Interactive Urban Ag Zoning Map.)

Just Food. "City Farms." <http://www.justfood.org/city-farms>.

Local Harvest. <http://www.localharvest.org/>.

"Use our website to find farmers' markets, family farms, and other sources of sustainably grown food in your area, where you can buy produce, grass-fed meats, and many other goodies."

New Jersey Agricultural Experiment Station (NJAES). "Sustaining Farming on the Urban Fringe." Rutgers. <http://njsustainingfarms.rutgers.edu/>

Real Food Challenge. <http://realfoodchallenge.org/>

"The Real Food Challenge serves as both a campaign and a network. The **campaign** is to increase the procurement of real food on college and university campuses, with the national goal of **20% real food by 2020**. By leveraging their purchasing power we can catalyze the transformation of the larger food system. The **network** offers a chance for students and their allies (those working on the campaign along with those who've yet to sign on) to make connections, learn from one another, and grow the movement."

Resource Centres on Urban Agriculture and Food Security (RUAF Foundation). <http://www.ruaf.org/>. (they have an excellent online library and database...)

United States Department of Agriculture (USDA). "Alternative Farming Systems Information Center: Urban Agriculture." National Agricultural Library. [http://www.nal.usda.gov/afsic/AFSIC\\_pubs/urbanag.htm](http://www.nal.usda.gov/afsic/AFSIC_pubs/urbanag.htm).

United State Environmental Protection Agency (EPA). "Brownfields: Urban Agriculture & Improving Local, Sustainable Food Systems." <http://www.epa.gov/brownfields/urbanag/index.html>.

University of Georgia Center for Urban Agriculture. <http://apps.caes.uga.edu/urbanag/>.

Urban Farm Hub. <http://www.urbanfarmhub.org/>.

Urban Farming. <http://www.urbanfarming.org/>.

### **Books, Articles, & Annotated Bibliographies**

Adeyemi, Abiola. 2000. "Urban Agriculture: An Abbreviated List of References and Resource Guide 2000." Alternative Farming Systems Information Center, Agricultural Research Service. [http://www.nal.usda.gov/afsic/AFSIC\\_pubs/urbanag.htm](http://www.nal.usda.gov/afsic/AFSIC_pubs/urbanag.htm).

Colasanti, Kathryn and Hamm, Michael. 2010. "Assessing the Local Food Supply Capacity of Detroit, Michigan." *Journal of Agriculture, Food Systems, and Community Development*. doi:10.5304/jafscd.2010.012.002.

ETC Urban Agriculture Programme. 2003. "Annotated Bibliography on Urban Agriculture." Report prepared for the Swedish International Development Agency. [http://www.ruaf.org/sites/default/files/annotated\\_bibliography.pdf](http://www.ruaf.org/sites/default/files/annotated_bibliography.pdf). (This is a massive 800 page document that is international in focus. However, there are many U.S. specific citations and annotations.)

Hodgson, Kimberly, Marcia Canton Campbell, and Martin Bailkey. 2011. *Urban Agriculture: Growing Healthy, Sustainable Places*. APA Planning Advisory Services.

### **Food Waste & Composting**

Anderson, Peter, Gary Liss, and Steve Sherman. 2010. "Beyond Recycling: Composting Food Scraps and Soiled Paper." Center for a Competitive Waste Industry, A Report to Region 9 of the U.S. Environmental Protection Agency. [http://beyondrecycling.org/pdf\\_files/FinalReport.pdf](http://beyondrecycling.org/pdf_files/FinalReport.pdf).

CalRecycle. "Organic Materials Management: Food Scraps Management." <http://www.calrecycle.ca.gov/Organics/Food/>.

Cleveland-Cuyahoga County Food Policy Coalition. "Food Waste Recovery Working Group." <http://cccfoodpolicy.org/working-group/food-waste-recovery>.

Cleveland-Cuyahoga County Food Policy Coalition. "Composting and Waste Recovery: Food Policy Brief #5." <http://cccfoodpolicy.org/sites/default/files/resources/Policy%20Brief%205%20-%20Composting%20and%20Waste%20Recovery.pdf>.

Delaware Valley Regional Planning Commission. 2010. "Municipal Implementation Tool #18: Food System Planning." [http://www.dvrpc.org/asp/pubs/publicationabstract.asp?pub\\_id=MITo18](http://www.dvrpc.org/asp/pubs/publicationabstract.asp?pub_id=MITo18). (see section "Minimize or Reuse Food Waste.")

GrowNYC. "Compost at Greenmarket." <http://www.grownyc.org/compost>.

Unger, Serena and Heather Wooten. 2006. "Food Waste Recovery." Chapter 5 in Oakland Food System Assessment. [http://oaklandfoodsystem.pbworks.com/f/OFSA\\_WasteRecovery.pdf](http://oaklandfoodsystem.pbworks.com/f/OFSA_WasteRecovery.pdf).

Redden, Jim. 2011. "Adams ready to roll out citywide composting plan." *The Portland Tribune*. August 5. [http://www.portlandtribune.com/news/story.php?story\\_id=131257258595336600](http://www.portlandtribune.com/news/story.php?story_id=131257258595336600)

Sarjahani, Andy, Elaine Serrano, and Rick Johnson. 2009. "Food and Non-Edible, Compostable Waste in a University Dining Facility." *Journal of Health and Environmental Nutrition*.

United States Department of Environmental Protection (EPA). "A Guide to Commercial Food Composting." <http://www.epa.gov/osw/conserves/materials/organics/food/fd-guide.htm>.

WasteCap Resource Solutions, Inc. n.d. "Business Food Waste Briefing Paper: Options for Grocers, Restaurants, and Food Processors." [www.wastecapwi.org/documents/foodwaste.pdf](http://www.wastecapwi.org/documents/foodwaste.pdf).

WasteCap Resource Solutions, Inc. 2010. "Final Report: Food Waste to Energy and Fertilizer." Wisconsin Department of Natural Resources. <http://www.wastecap.org/wp/wp-content/uploads/2008/11/Final-Report-Outpost-Natural-Foods-Project-FINAL-3-9-2010.pdf>.

### **Rainwater Harvesting**

GrowNYC. "Rainwater Harvesting." <http://www.grownyc.org/openspace/rainwater>

GrowNYC. "Rainwater Harvesting 101." <http://www.grownyc.org/files/osg/RWH.how.to.pdf>.

New Jersey Agricultural Experiment Station (NJAES). "Water Resources Program." <http://www.water.rutgers.edu/main.htm>. (see Rain Barrels and Rain Gardens).

New Jersey Water Savers. <http://njwatersavers.rutgers.edu/>.

The Web of Rain. <http://www.gdrc.org/uem/water/rainwater/rain-web.html>. (Online resources on rainwater harvesting).

Urban Agriculture Magazine. 2008. Water for Urban Agriculture, Issue 20. <http://www.ruaf.org/node/1857>.

Urban Agriculture Notes. "Water and Urban Agriculture." Published by City Farmer, Canada's Office of Urban Agriculture. <http://www.cityfarmer.org/subwater.html>.

Urban Agroecology. "Moving my rainwater around." <http://urbanagroecology.org/category/water/>.

Urban Agroecology. "My rainwater catchment system." <http://urbanagroecology.org/2010/11/19/my-rainwater-catchment-system/>

**Season Extension...need to find info on cold frames and tunnel cloches...**

Barnard, Diane. 2010. "Season Extension – hula hoop low tunnels." Traverse City Urban Agriculture Examiner. <http://www.examiner.com/urban-agriculture-in-traverse-city/season-extension-hula-hoop-low-tunnels>.

### **Rooftop Farming & Green Roofs**

Urban Agriculture Notes. "Rooftops and Urban Agriculture." Published by City Farmer, Canada's Office of Urban Agriculture. <http://www.cityfarmer.org/subrooftops.html>.

### **Farm to Institution Resources (Farm to Hospital, Farm to School, Farm to University)**

Fair Food. n.d. "Our Work: Farm to Institution." <http://www.fairfoodphilly.org/our-work/farm-to-institution/>.

Sachs, Elizabeth and Gail Feenstra. 2007. "Emerging Local Food Purchasing Initiatives in Northern California Hospitals." UC Sustainable Agriculture Research & Education Program, UC Davis. [http://www.sarep.ucdavis.edu/CDPP/fti/Farm\\_To\\_Hospital\\_WebFinal.pdf](http://www.sarep.ucdavis.edu/CDPP/fti/Farm_To_Hospital_WebFinal.pdf).

Farm to School. n.d. "Publications: Buying and Selling Local Food." <http://www.farmtoschool.org/publications.php?pt=buys>.

Perry, Robert. 2011. "Agricultural Development is Economic Development: Kentucky State Parks Local Food Purchasing Case Study." *Journal of Agriculture, Food Systems, and Community Development*. Advance online publication. <http://dx.doi.org/10.5304/jafscd.2011.014.010>.

Feenstra, Gail, Patricia Allen, Shermain Hardesty, Jeri Ohmart, and Jan Perez. 2011. "Using a supply chain analysis to assess the sustainability of farm-to-institution programs." *Journal of Agriculture, Food Systems, and Community Development*. Advance online publication. doi:10.5304/jafscd.2011.014.009

Bloom, J. Dara and C. Clare Hinrichs. 2010. "Moving local food through conventional food system infrastructure: Value chain framework comparisons and insights." *Renewable Agriculture and Food Systems*, 26(1): 13–23. <http://dx.doi.org/10.1017/S1742170510000384>.

Community Food Security Coalition. n.d. "Farm to College: Resources." <http://www.farmtocollege.org/resources>. (This site lists LOTS of resources and publications!!)

Gregoire, Mary B. and Catherine Strohbehn. 2002. "Benefits and obstacles to purchasing food from local growers and producers." *Journal of Child Nutrition & Management*, 25(1). Available at <http://docs.schoolnutrition.org/newsroom/jcnm/>

Izumi, Betty T., Katherine Alaimo, and Michael W. Hamm. 2010. "Farm to school programs: Perspectives of school food service professionals." *Journal of Nutrition Education and Behavior*, 42(2): 83–91. <http://dx.doi.org/10.1016/j.jneb.2008.09.003>.

Real Food Challenge. <http://realfoodchallenge.org/>

"The Real Food Challenge serves as both a campaign and a network. The **campaign** is to increase the procurement of real food on college and university campuses, with the national goal of **20% real food by 2020**. By leveraging their purchasing power we can catalyze the transformation of the larger food system. The **network** offers a chance for students and their allies (those working on the campaign along with those who've yet to sign on) to make connections, learn from one another, and grow the movement."

### **City-specific Reports and Resources (see endnotes and bibliographies in each for additional resources)**

#### Cleveland, OH

Cleveland-Cuyahoga County Food Policy Coalition. "Land Use & Planning Working Group." <http://cccfoodpolicy.org/working-group/land-use-planning>

#### New York

Brannen, Sarah. 2010. Food Works: A Vision to Improve NYC's Food System. A report prepared for the office of New York City Council Speaker Christine Quinn. New York, NY. [http://council.nyc.gov/html/food/files/foodworks\\_fullreport\\_11\\_22\\_10.pdf](http://council.nyc.gov/html/food/files/foodworks_fullreport_11_22_10.pdf).

Clapp, Jeni. 2008. "Food in the Public Interest: How New York City's Food Policy Holds the Key to Hunger, Health, Jobs, and the Environment." Office of Manhattan Borough President Scott M. Stringer. [www.citylimits.org/images\\_pdfs/pdfs/StringerFood.pdf](http://www.citylimits.org/images_pdfs/pdfs/StringerFood.pdf).

Cohen, Nevin. n.d. "Urban Food Policy blog." <http://www.urbanfoodpolicy.com/>.

Reinhardt, John. 2011, "The Future of Urban Agriculture: An Interview with Nevin Cohen." *Sustainable Cities Collective Blog*. <http://sustainablecitiescollective.com/growninthecity/22664/5-questions-dr-nevin-cohen-five-borough-farm-project-food-systems-academia-and->

Design Trust for Public Space. n.d. "Five-Borough Farm." [http://www.designtrust.org/projects/project\\_ogfarm.html](http://www.designtrust.org/projects/project_ogfarm.html).

"To kick-off our [Five Borough Farm](#) project, the Design Trust hosted a half-day workshop on December 6, 2010 at The New School. "**Five Borough Farm: The Future of Farming in NYC**" brought together over 90 urban farmers, gardeners, urban agriculture advocates and funders from around the city to address key questions that will help shape the future of urban agriculture in New York City:

- Why do you do what you do?
- What resources (revenue, volunteers, funding, etc.) do you rely on in order to do your work?
- How do you track what you do, and what do you wish you could track?
- What would help you measure the benefits of what you do?" [http://www.designtrust.org/events/event\\_201012\\_5bf\\_workshop.html](http://www.designtrust.org/events/event_201012_5bf_workshop.html)

Twilley, Nicola. 2011 "Five Borough Farm: Interview with Nevin Cohen." Urban Omnibus Blog. <http://urbanomnibus.net/2011/01/five-borough-farm/>.

The Institute for Sustainable Cities. n.d. "CUNY Food and Urban Agriculture Working Group." City University of New York. <http://www.cunysustainablecities.org/research/consumption-cities/513-cuny-food-and-urban-agriculture-working-group.html>. (convened by Professor Peter Marcotullio, Columbia University and Hunter College).

Derek Denckla. 2011. "2010 NYC Urban Agricultural Roundup." *The Greenest Blog*. <http://thegreenest.net/2011/01/2010-nyc-urban-agriculture-roundup/>.

GrowNYC and GreenThumb. 2010. "Community Garden Survey 2009/2010." [www.grownyc.org/files/GrowNYC\\_CommunityGardenReport.pdf](http://www.grownyc.org/files/GrowNYC_CommunityGardenReport.pdf).

### Baltimore

Baltimore Urban Agriculture. n.d. <http://baltimoreurbanag.org/>.

Baltimore Commission on Sustainability. 2009. "Baltimore Sustainability Plan." <http://www.baltimorecity.gov/LinkClick.aspx?fileticket=DtRcJL%2fBcE%3d&tabid=128>. (see section on Greening).

Baltimore City Food Policy Task Force (BCFPTF). 2009. "Final Report and Recommendations." <http://www.baltimorecity.gov/LinkClick.aspx?fileticket=WcxHP1SimYc%3d&tabid=1455&mid=875>.

### Oakland

McClintock, Nathan and Jenny Cooper. 2009. "Cultivating the Commons: An Assessment of the Potential for Urban Agriculture on Oakland's Public Land." Oakland, CA: Department of Geography at UC Berkeley, HOPE Collaborative, and Food First. [http://www.oaklandfood.org/home/cultivating\\_the\\_commons](http://www.oaklandfood.org/home/cultivating_the_commons).

Oakland Food Policy Council (OFPC). 2011. "Statement on Urban Agriculture." [http://www.oaklandfood.org/home/ua\\_statement](http://www.oaklandfood.org/home/ua_statement).



Unger, Serena and Heather Wooten. 2006. "A Food Systems Assessment for Oakland, CA: Toward a Sustainable Food Plan." Oakland Mayor's Office of Sustainability and University of California, Berkeley, Department of City and Regional Planning. [http://oaklandfoodsystem.pbwiki.com/f/Oakland%20FSA\\_6.13.pdf](http://oaklandfoodsystem.pbwiki.com/f/Oakland%20FSA_6.13.pdf).

#### Alameda County, CA

Reynolds, Kristin. 2009. "Urban Agriculture in Alameda County, CA: Characteristics, Challenges and Opportunities for Assistance." University of California at Davis: UC Small Farm Program. [http://sfp.ucdavis.edu/docs/urban\\_agriculture09.pdf](http://sfp.ucdavis.edu/docs/urban_agriculture09.pdf).

#### San Francisco

Thompson, Edward, Alethea Harper, and Sibella Kraus. 2008. "Think Globally, Eat Locally: San Francisco Foodshed Assessment." American Farmland Trust. <http://www.farmland.org/programs/states/ca/Feature%20Stories/documents/ThinkGloballyEatLocally-FinalReport8-23-08.pdf>.

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#### Seattle, WA

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#### Portland, OR

Balmer, Kevin, James Gill, Heahter Kaplinger, Joe Miller, Melissa Peterson, Amanda Rhoads, Pau Rosenbloom, and Teak Wall. 2005. "The Diggable City: Making Urban Agriculture a Planning Priority." Nohad A. Toulan School of Urban Studies and Planning, Portland State University. [http://www.diggablecity.org/dcp\\_finalreport\\_PSU.pdf](http://www.diggablecity.org/dcp_finalreport_PSU.pdf).

"Completed by students in the Master of Urban and Regional Planning program at Portland State University, the Diggable City Project was an attempt to take an inventory of vacant, publicly-owned land in the Portland area, and to start a conversation about how that land might be used to support urban agricultural activities."

#### Minneapolis

Department of Community Planning and Economic Development. 2011. "Urban Agriculture Policy Plan." Minneapolis, MN. [http://www.ci.minneapolis.mn.us/cped/urban\\_ag\\_plan.asp](http://www.ci.minneapolis.mn.us/cped/urban_ag_plan.asp). (especially see sections on "Community Involvement" and "Examples from Other Cities")

### **Articles**

Kremer, Peleg and Tracy DeLiberty. 2011. "Local food practices and growing potential: Mapping the case of Philadelphia." *Applied Geography*. 31: 1252-1261.

"Local food systems receive increasing attention as a potential solution to problems in the globalized food system, and the promotion of agriculture and urban sustainability. Despite the centrality of geography of in the study and practice of local food systems, methods of geographical analysis examining local food systems are just beginning to develop. In this paper we argue that spatial research methods are central to the understanding and evaluation of different components of local food systems. We use the city of Philadelphia as an example to explore the socio-spatial structure of the current local food system, and the integration of remote sensing and GIS techniques to estimate land potential for urban food production."

### **Researchers**

#### **Tyler Caruso and Erik Facticeau**

Seeing Green: the Value of Urban Farms

<http://www.kickstarter.com/projects/stormwatermasters/seeing-green-the-value-of-urban-farms>

"A year-long research project that will measure the stormwater management potential of two urban farms; Brooklyn Grange (a rooftop farm) & Added Value (raised beds) in NYC."

#### **Nevin Cohen and Rupal Sangvhi, Fellows**

Five Borough Farm, a project of the Design Trust for Public Space

[http://www.designtrust.org/projects/project\\_offarm.html](http://www.designtrust.org/projects/project_offarm.html)

"The Design Trust has partnered with Brooklyn-based nonprofit Added Value and the Red Hook Community Farm to develop strategies to support urban agriculture citywide. Our project, **Five Borough Farm**, will survey and map New York City's existing urban agricultural activity; create a shared framework and tools to evaluate and quantify the many benefits of urban agriculture; and develop recommendations to city government about what role they could play to support urban agriculture."

#### **Nathan McClintock**

Urbanfood.org

Action Research and Education for Sustainable Food Systems

<http://www.urbanfood.org/>

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- 12 point font
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***“In this citation style, only the first word and proper nouns in the book title are capitalized.***

Smith, Robert A. W., and Nancy Jones. 1995a. *Paving paths to resistance in Florida*. Cambridge, MA: MIT Press.

Smith, Robert A. W., and Nancy Jones. 1995b. *Stumbling blocks along the way: the case of Pacific Union and the ten-year struggle*. Cambridge, MA: MIT Press.

or \_\_\_\_\_. 1995b. *Stumbling blocks along the way: the case of Pacific Union and the ten-year struggle*. Cambridge, MA: MIT Press.

Smith, Robert A. W.; Nancy Jones; and William A. V. Curry. 1996. *Off the beaten path*. Cambridge, MA: MIT Press.

### **EDITED BOOK**

Smith, Robert A. W., and Nancy Jones, eds. 1995a. *Paving paths to resistance in Florida*. Cambridge, MA: MIT Press.

### **CHAPTER IN EDITED BOOK**

***In this citation style, only the first word and proper nouns in the article title are capitalized. The chapter title is not contained within quotation marks.***

Jackson, Robert. 1993. Negotiating solutions. In Ronald Stuart and Janet Kaso, eds., *Getting your way*. Chapel Hill, NC: University of North Carolina Press, 22–76.

### **JOURNAL ARTICLE**

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Throgmorton, James. 1990. Passion, reason, and power: the rhetorics of electric power planning at Commonwealth Electric. *Journal of Architectural and Planning Research* 7, 3 (Spring): 330–50.

### **PAPER PRESENTED AT A CONFERENCE**

Dalton, Lawrence. 1988. Emerging knowledge about planning practice. Paper presented at the thirtieth annual conference of the Association of Collegiate Schools of Planning, October 27–30, Buffalo, New York.

### **PAPER PUBLISHED IN CONFERENCE PROCEEDINGS**

Dalton, Lawrence. 1988. The ethical sphere. *Proceedings*. International Symposium on Hazardous Materials and Wastes: Social Aspects of Facility Siting and Planning. Institute for Social Impact Assessment, Toronto, 23–69.

#### **INTERVIEW**

Smith, Roger. 1998. Interview by [interviewer's name/affiliation] with [Roger Smith's title and affiliation]. January 6.

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