

*Environmental Humanities Course Module*  
**Brownfield Redevelopment: Communities in Transition**



Mahbubur Meenar, PhD  
Department of Geography, Planning, and Sustainability  
School of Earth and Environment, Rowan University

Research Assistants: Marie DiLeonardo, Kira Rose

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## **Materials**

### **Reading List**

#### **Book Chapter**

Daniels, T. (2017). *Environmental Planning Handbook for Sustainable Communities and Regions*. Routledge. Chapter 8.

#### **Journal Articles**

- Bleicher, A., & Gross, M. (2010). Sustainability assessment and the revitalization of contaminated sites: operationalizing sustainable development for local problems. *International Journal of Sustainable Development & World Ecology*, 17(1), 57-66.
- Bryson, J. (2012). Brownfields gentrification: redevelopment planning and environmental justice in Spokane, Washington. *Environmental Justice*, 5(1), 26-31.
- Cuba (2017). Perspective: ethical issues in Brownfields. *Environmental Practice*, 5(1), 2.
- Dorsey, J. W. (2003). Brownfields and greenfields: the intersection of sustainable development and environmental stewardship. *Environmental Practice*, 5(1), 69-76.
- Essoka, J. D. (2010). The gentrifying effects of brownfields redevelopment. *Western Journal of Black Studies*, 34(3), 299.

- Gallagher, D. R., & Jackson, S. E. (2008). Promoting community involvement at brownfields sites in socio-economically disadvantaged neighbourhoods. *Journal of Environmental Planning and Management*, 51(5), 615-630.
- Greenberg, M., & Lewis, M. J. (2000). Brownfields redevelopment, preferences and public involvement: a case study of an ethnically mixed neighbourhood. *Urban Studies*, 37(13), 2501-2514.
- Solitare, L. (2005). Prerequisite conditions for meaningful participation in brownfields redevelopment. *Journal of Environmental Planning and Management*, 48(6), 917-935.
- Taylor, D. E. (2011). Introduction: The evolution of environmental justice activism, research, and scholarship. *Environmental Practice*, 13(4), 280-301.
- Williams, K., & Dair, C. (2007). A framework for assessing the sustainability of brownfield developments. *Journal of Environmental Planning and Management*, 50(1), 23-40.

### **Other**

Green Urbanism: Balancing Environmental Justice with Gentrification

<http://www.wilderutopia.com/sustainability/land/green-urbanism-balancing-environmental-justice-with-gentrification/>

## **Compilation of YouTube Videos on Brownfields**

### **General Brownfields Information**

<https://www.youtube.com/watch?v=DFxHyArdu24> “Celebrating the 20th Anniversary of U.S. EPA's Brownfields Program: Looking Back, Moving Forward”

- 16 minutes long
- Primarily interviews with experts and state officials. First 5 minutes is a great general introduction to the topic, then the video discusses specific examples in Chicago (starting at 4:56) and in Lowell, Massachusetts (starting at 10:27)

<https://www.youtube.com/watch?v=MpE2wKtdroc> “What are Brownfields?”

- 4.5 minutes long, mentions Aroostook County in Maine but also gives a good overview regarding the benefits of using Brownfields, etc.
- Fast-paced so holds viewer's attention

[https://www.asla.org/sustainablelandscapes/Vid\\_Brownfields.html](https://www.asla.org/sustainablelandscapes/Vid_Brownfields.html)

- 3 minutes long
- Cool visuals and a great explanation of how Brownfields go from contaminated sites useful new development

<https://www.youtube.com/watch?v=iWuhKFXG3A8> “Brownfields Information Video”

- 3.5 minutes long
- Again talks to experts, gives a general background and overview regarding Brownfields and how they are cleaned

<https://science.howstuffworks.com/engineering/structural/brownfield.htm>

- 20 minute long podcast, no visual video. Listen until about 17 minutes, the last 3 are not needed
- TONS of information, casual conversation between 2 very knowledgeable hosts

<https://www.youtube.com/watch?v=MBXAZdYy4s0> “What is a Brownfield?”

- 5.5 minutes long
- Speaks to experts in the field, goes through the definition of a brownfield, how it would be cleaned up, etc.

<https://www.youtube.com/watch?v=5iF9Ccl9WoI> “Hacking the Brownfields: John Paul Farmer at TEDxMarketStreet”

- 18 minute long video, but 2:33-4:21 most explicitly talks about one powerful example of a brownfield project

<https://www.youtube.com/watch?v=IXh5sMLRk5s> “Brownfields Video”

- 1 minute long
- Clear, interesting approach
- Paints Brownfields in a somewhat negative light. Intended to demonstrate that land we buy is not always what it seems and that contamination may be dangerous and expensive

[https://www.youtube.com/watch?v=wlGAF\\_6O9Pk](https://www.youtube.com/watch?v=wlGAF_6O9Pk) “Brownfields Rap pt. 1”

- 6.5 minutes long
- Seems to be a video made by high school students. Good information, 2 incredibly silly “raps” in the video. Second rap has a tiny bit of profanity

### **Specific Examples of Local Brownfields (New Jersey, New York, Pennsylvania)**

<https://www.njtvonline.org/news/video/phoenix-park-to-take-place-of-brownfield-in-camden/>

“Phoenix Park to Take Place of Brownfield in Camden”

- 3 minutes long
- A fantastic look at Brownfields in New Jersey, specifically the creation of a 5 acre park in Camden on a previously contaminated industrial site

<https://www.njtvonline.org/news/video/pseg-wants-solar-farms-new-jersey/> “PSE&G Wants More Solar Farms in New Jersey”

- 4.5 minutes long
- Another incredibly informative look at the use of fields of solar panels in Brownfields. This video also discusses the cost, sustainability, and brownfield benefits of such a project

<https://www.youtube.com/watch?v=pBhIeSc0c5o> “Brownfields Philadelphia”

- 3.5 minutes long
- Discusses how an old junkyard in Southwest Philadelphia became a thriving produce market

<https://www.youtube.com/watch?v=bQkNKVA0Wt8> “Forgotten No More Gray’s Ferry Brownfields”

- 2 minutes long
- Two environmental engineers explain how sites in Philadelphia are generally remediated. They cite one example of how they had turned an abandoned car manufacturing plant into a huge FedEx location

<https://www.youtube.com/watch?v=y-HouSINz5k> “Brownfield Philadelphia”

- 7 minutes long
- Great information regarding the conversion of the old Philadelphia Navy Yard into new, innovative, energy efficient companies like a headquarters for Tastykake and GlaxoSmithKline

<https://www.youtube.com/watch?v=W2Yq1zzxAc> “New York’s New High Line Park TIME”

- 5 minutes long
- Gives great insight regarding the initial construction of the park itself, focusing on the first section which opened to the public in 2009.
- 1:03-2:13 fantastic history of the park and how it came to be

<https://www.youtube.com/watch?v=rjW7zE8vRk0> “High Line Section 2 Construction Tour”

- 5 minutes long
- Focuses on the incredible features that the NYC High Line has to offer. Doesn’t discuss Brownfields explicitly but shows the incredible transformation being done to this park

<https://www.youtube.com/watch?v=sn-gOnZPZMs> “Greensgrow Philadelphia Project- Overview”  
2.5 minutes long

<https://www.youtube.com/watch?v=KQ-QzdLUzq> “Greensgrow Farms Philadelphia- Cooking Channel” 1 minute long

<https://www.youtube.com/watch?v=FLrLX9mgtVo> “Down on the Urban Farm” 2.5 minutes

- All of the above videos provide a simple and informational description of a brownfield turned into a bustling community farmers’ market in Philadelphia. The third video provides more information regarding the specifics of the previous contamination of the site.

<https://www.youtube.com/watch?v=dVSXvlMjg-s> “Urban Farming in Philadelphia”

- 3 minutes long
- Student-created video giving an overview as to how Philadelphia is turning vacant lots into powerful community gardens

## PowerPoint Slides

Please see attached.