

Christopher Boone  
Arizona State University  
BES/CAP LTER

# Changing ecosystem preferences over time

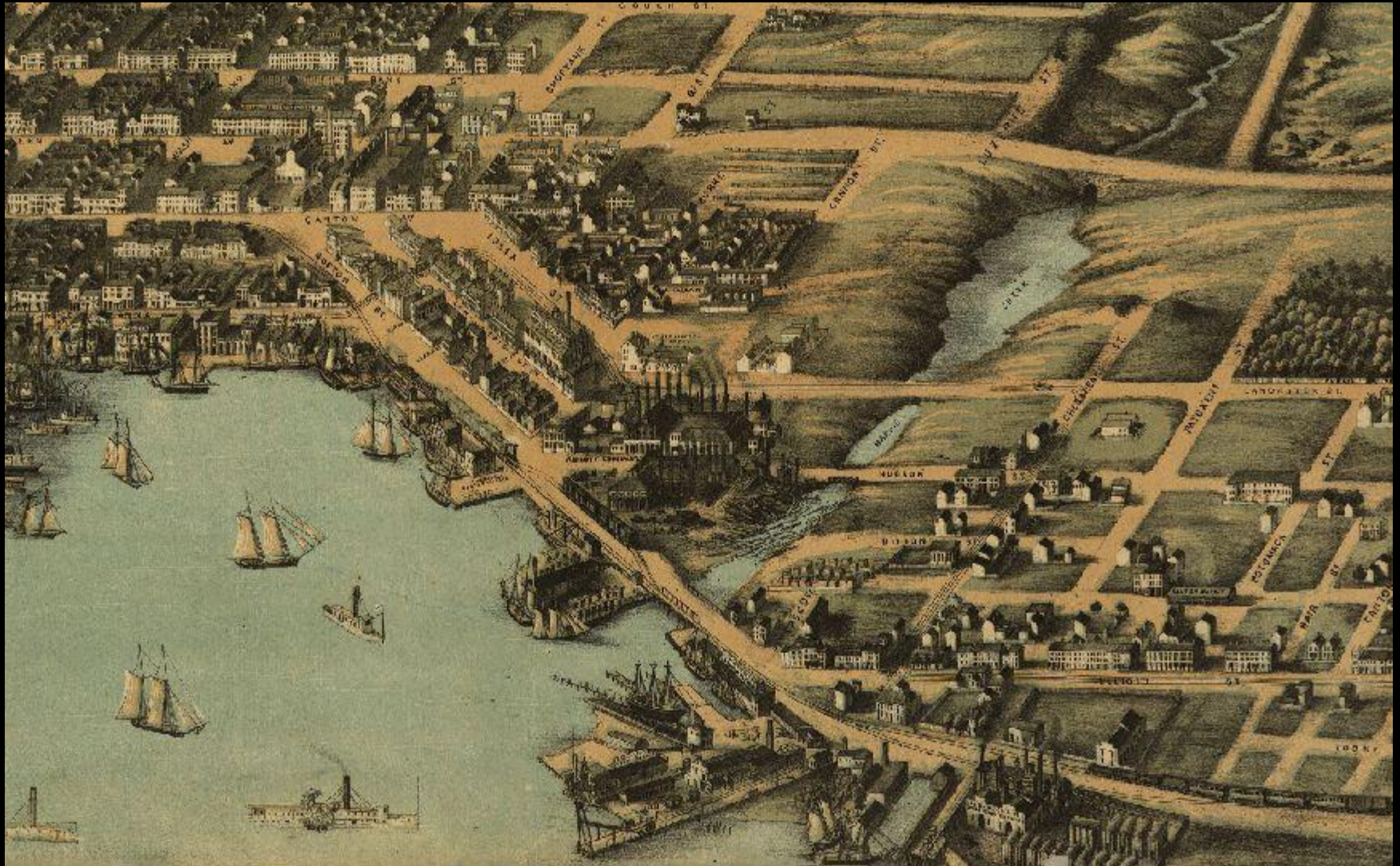
# Ecosystem services: 3 points

1. Socially defined
2. Service depends on contexts of time, place, and culture
3. Transition from sanitary to sustainable city and managing change for societal benefit





# Water



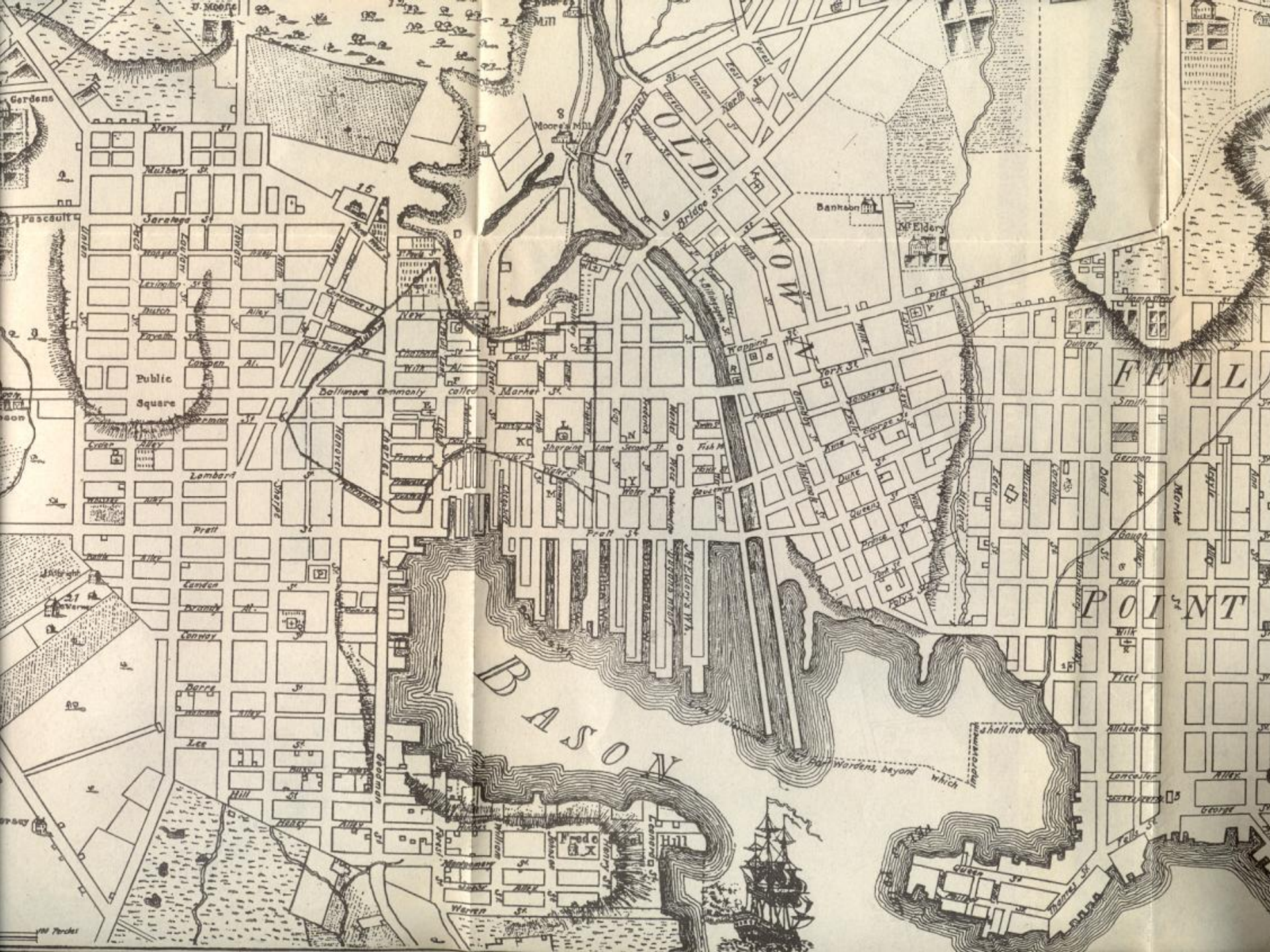
Sachse's Bird's Eye View of City of Baltimore 1869



# Cleanser

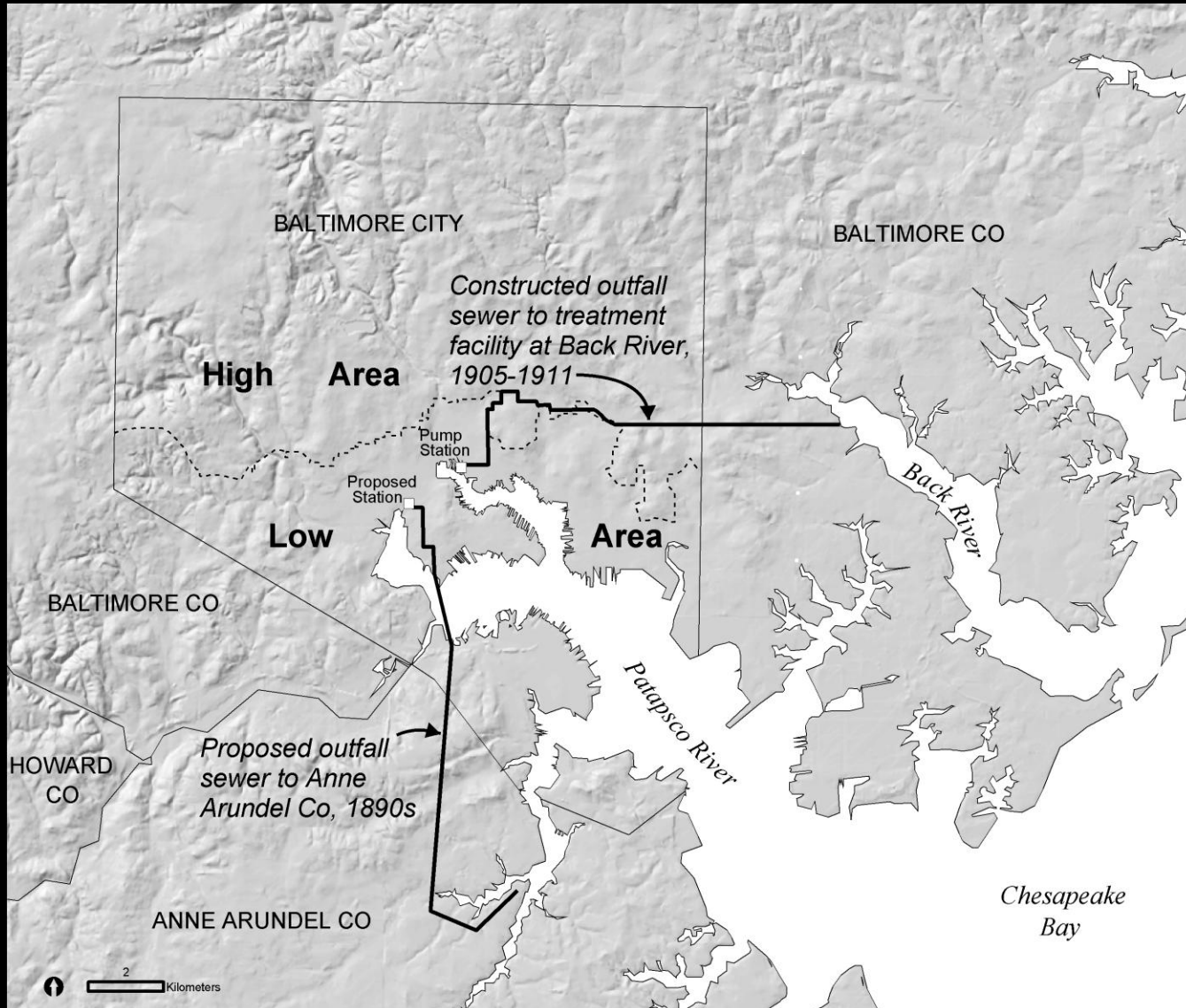






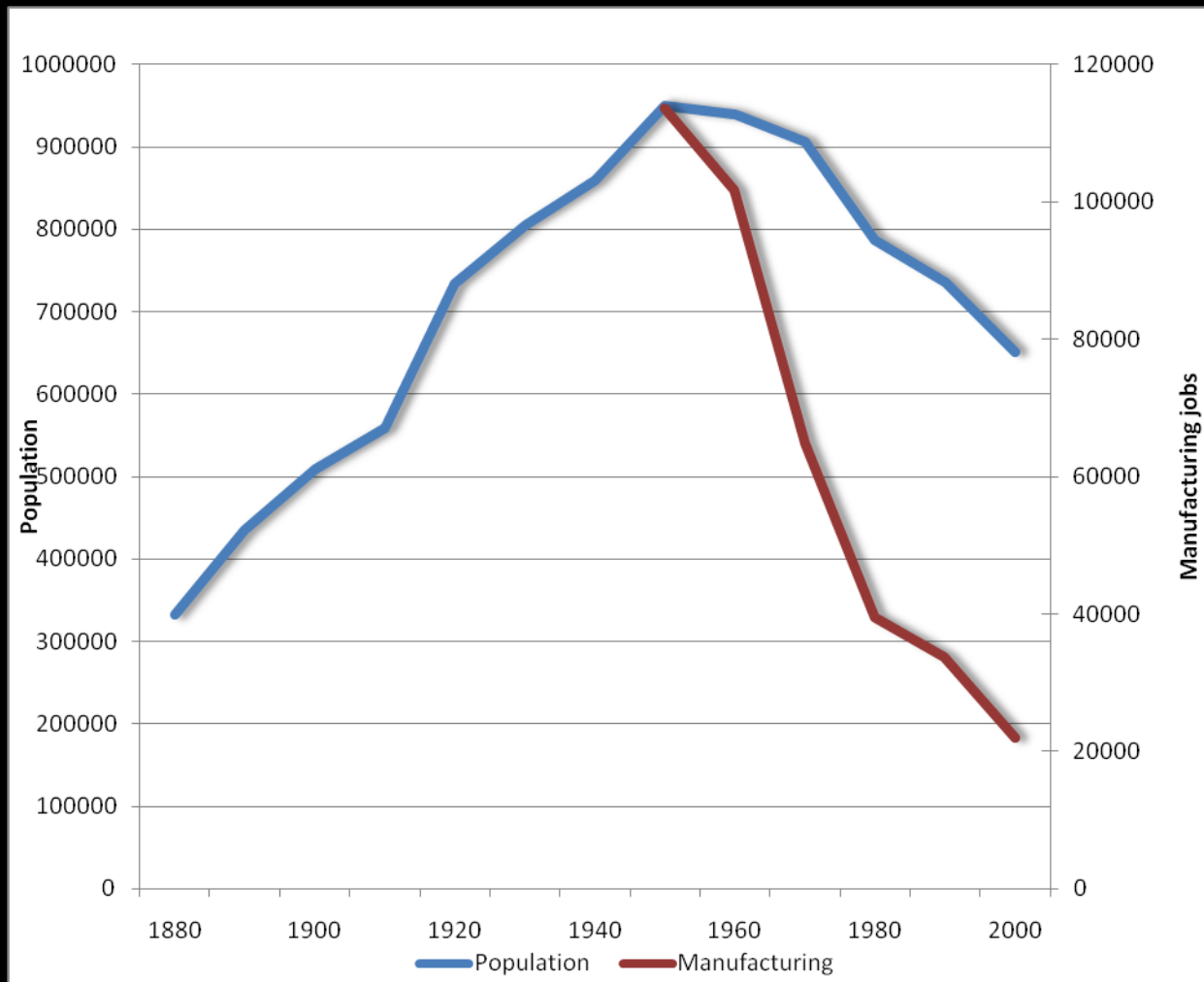


# Sanitary City

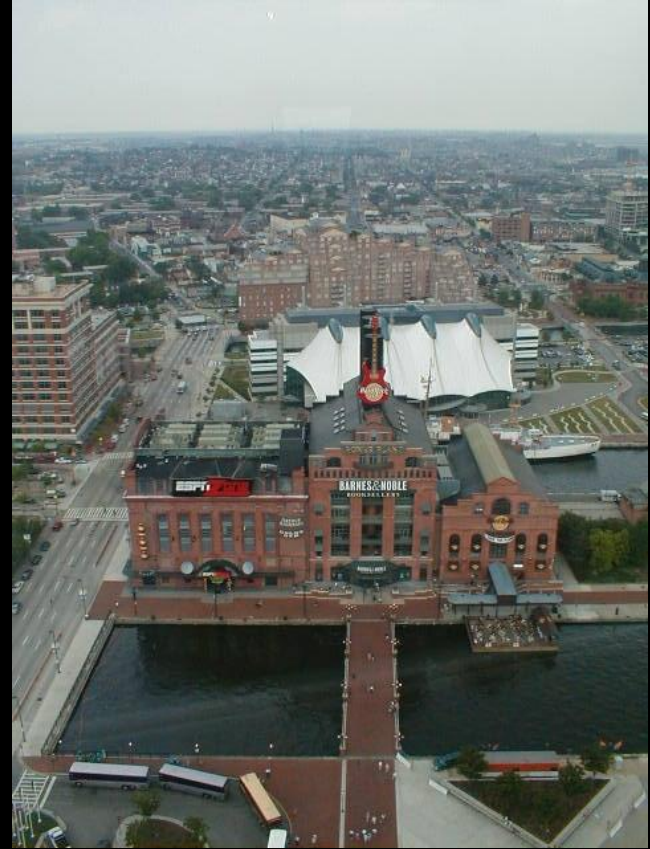


# Sanitary City





























16th Street and Indian School Road

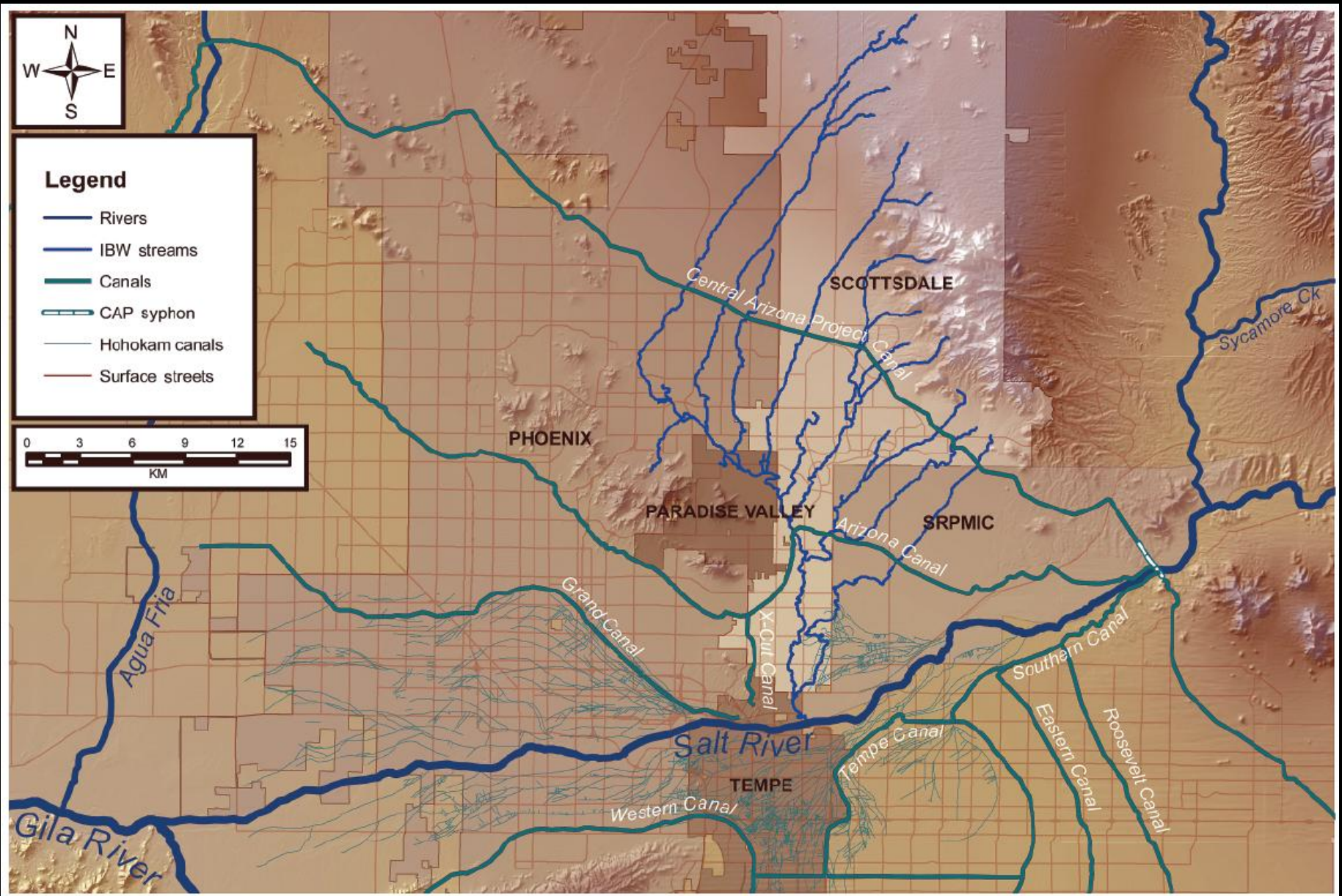


Julia Schnorr  
Basim Al Atni  
Bill Mahar



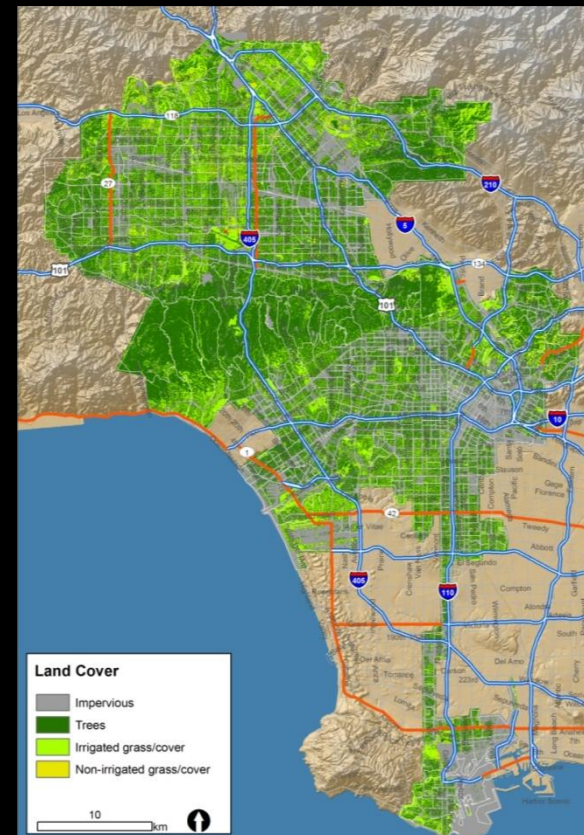
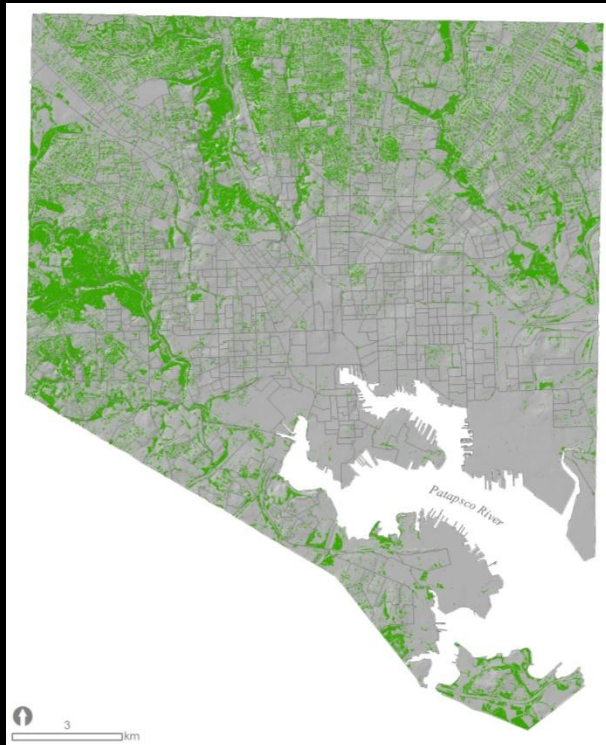






W. JOHN ROACH, JAMES B. HEFFERNAN, NANCY B. GRIMM, J. RAMÓN ARROWSMITH, CHRIS EISINGER, AND TYLER RYCHENER. Unintended Consequences of Urbanization for Aquatic Ecosystems: A Case Study from the Arizona Desert. *Bioscience* 58, 8:715-727.

# Trees





# Clean, uncluttered concrete



- "I just don't like trees," Mrs. Joseph Lisiecki said. "I don't like greenery. I like clean, uncluttered concrete." (in reference to city's tree-planting program in East Baltimore.) "If I wanted a tree, I'd move to the suburbs," Mrs. Lisiecki said. "I live in the city. I love the city. We have parks. It's nice to look at a tree once in a while. But I don't want one in front of my house."
  - Baltimore Sun, 1967
- "I was under the impression that all people like to have trees planted in front of their houses until I started planting trees in front of houses."
  - Charles Young (*Sun*, 1946)

# Inheritance



'My father didn't like trees, my grandfather didn't like trees, so I don't like trees.'

*Baltimore Sun, 1956*



# Ask, don't tell

BIG CITY

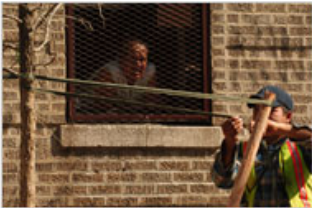
## For Urban Tree Planters, Concrete Is the Easy Part

By SUSAN DOMINUS

Published: April 21, 2008

Arthur Simpson, a professional forester, always thought that everyone likes a tree.

 [Enlarge This Image](#)



Rob Bennett for The New York Times

The city's efforts to add more green to the streetscape often meet with resistance from residents.

### Related


[At a Pair of Gigantic Apartment Complexes, a Planting Project to Match \(April 20, 2008\)](#)


Then he moved to New York.


"It's not unusual for people to say they don't want it," said Mr. Simpson, the "it" referring to whatever tree the city has resolved to plant in a swatch of sidewalk or other public space. Mr. Simpson is privy to some of those objections because he works for the New York City Department of Parks and Recreation, one of 40 or so foresters helping to execute Mayor [Michael R. Bloomberg](#)'s million-tree initiative, a plan the mayor announced (one year ago this week) to blitz the city's five boroughs with a million trees by the year 2017.

If you're a forester perversely inclined to ply your trade in New York City, the initiative makes now a pretty good time to make a go of it. The city hired 24 foresters in the past year, a good majority of them hailing from places where trees are not exactly controversial. Mr. Simpson, 32, lived and worked in the open spaces of Montana, Oregon and, most recently, Arizona, before hitting it off with a New York-based opera singer whom he met at a party. Now he lives in Queens.

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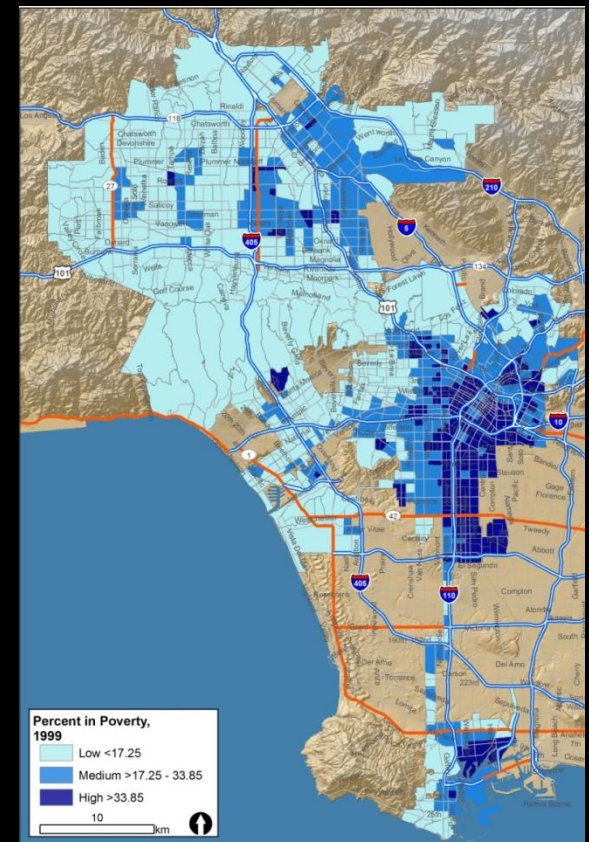
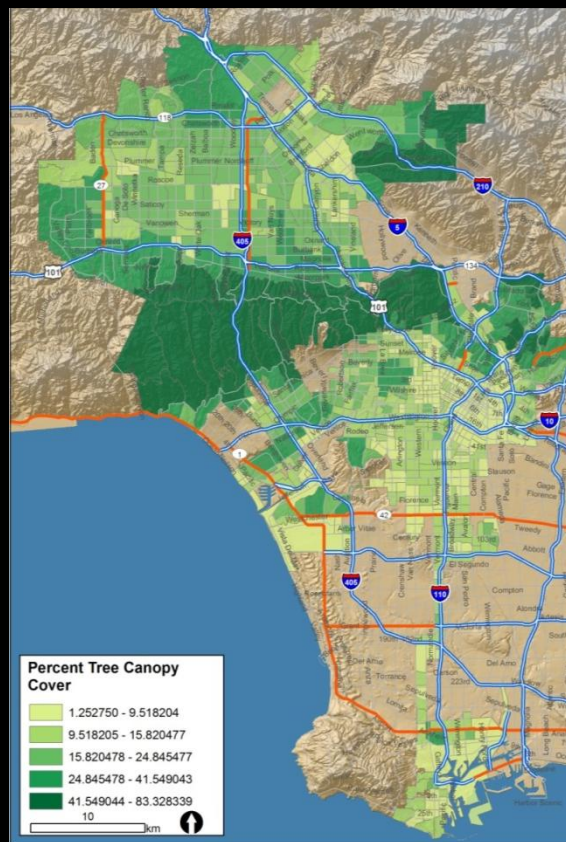
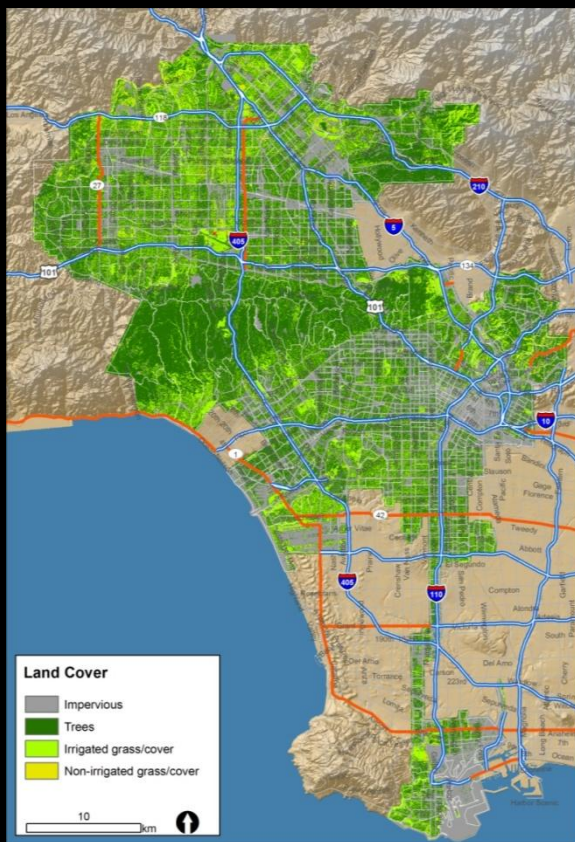
**CYRUS**  
JULY 9

"It's O.K. if we ask for it, but you can't tell us we have to have it."

# Managing change

1. Educate and ask
2. Best science
3. Losses and local
4. Flexible delivery
5. For reducing inequities





Independent variable	Correlation coefficient
Median family income	.487**
Percent white	.436**
Percent renter	-.402**
Population density	-.383**
Percent Hispanic	-.338**
Percent African-American	-.249**



