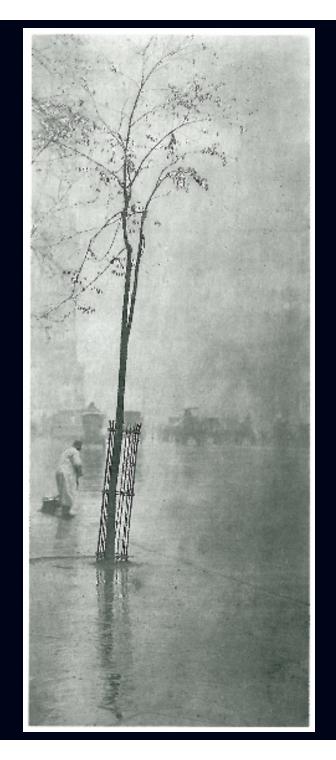


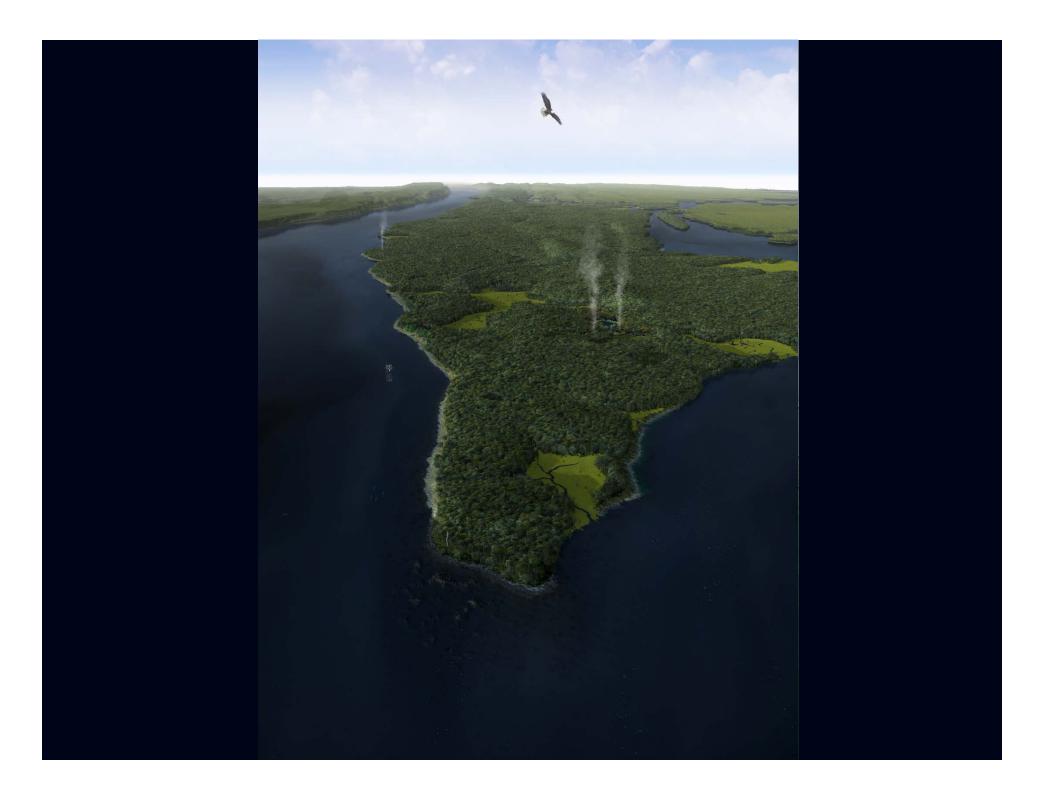
Mannahatta 2409:

planning the ecological future of Manhattan

Eric W. Sanderson
Wildlife Conservation Society

October 25, 2012





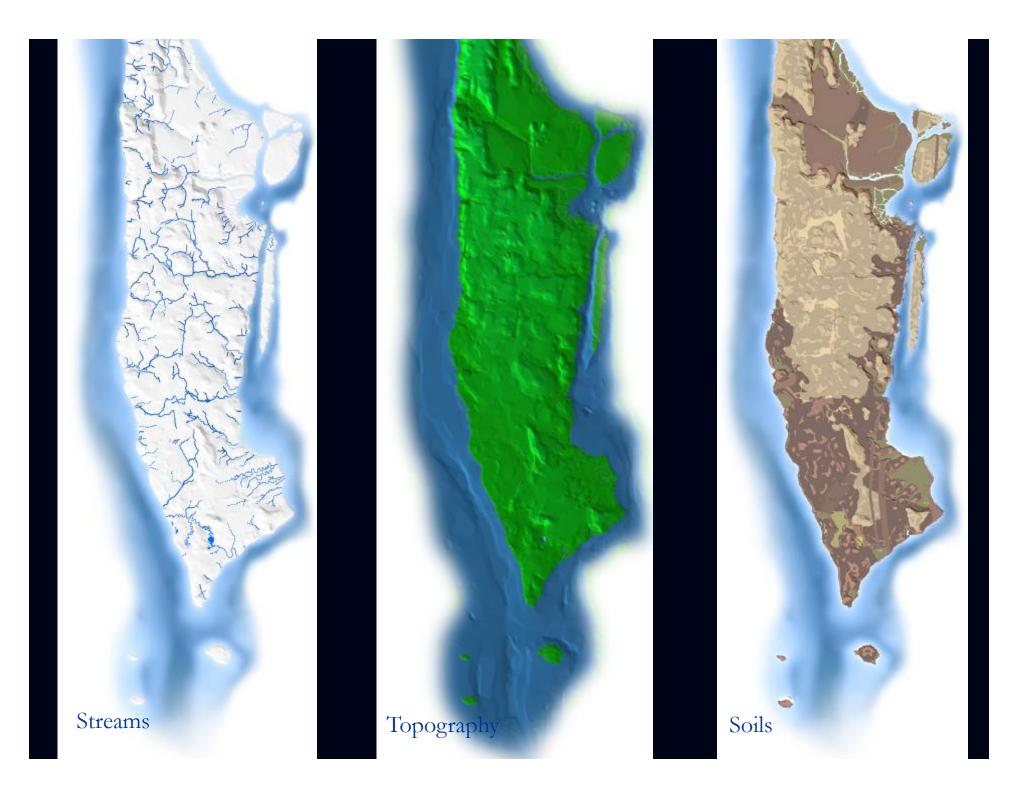


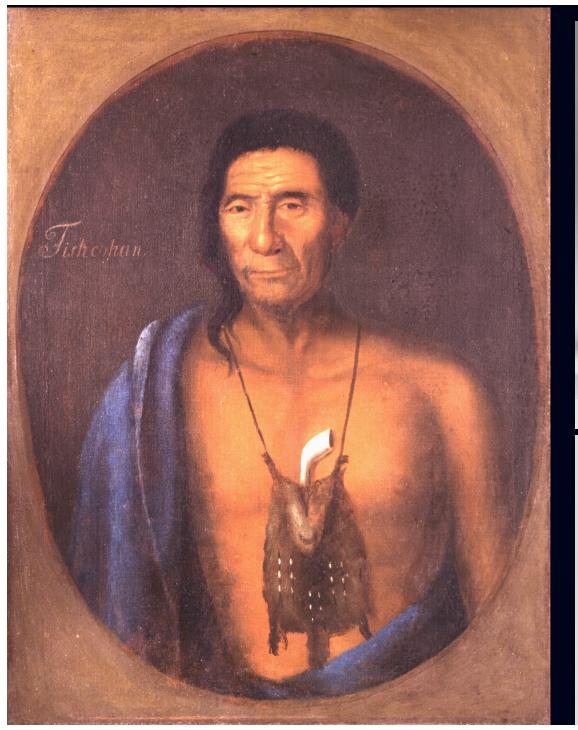
A NATURAL HISTORY OF NEW YORK CITY

ERIC W. SANDERSON

ILLUSTRATIONS BY MARKLEY BOYER









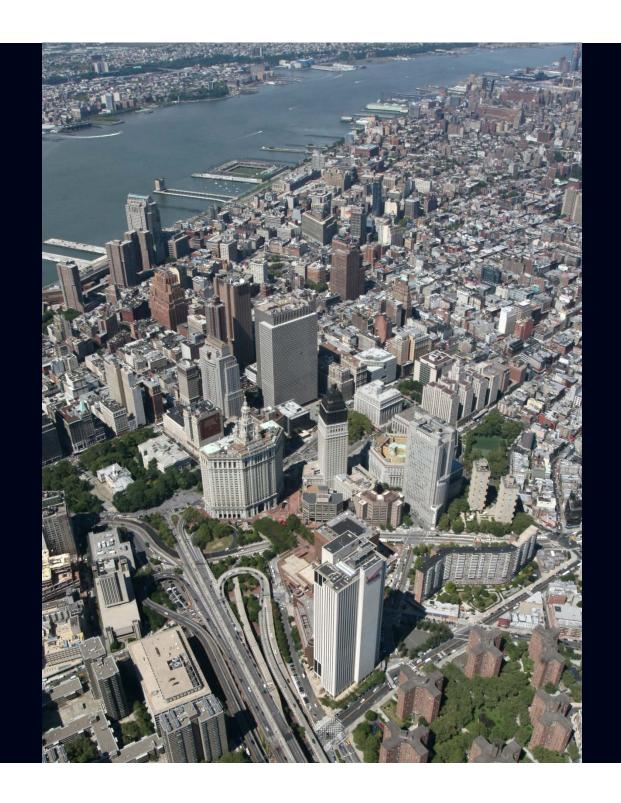






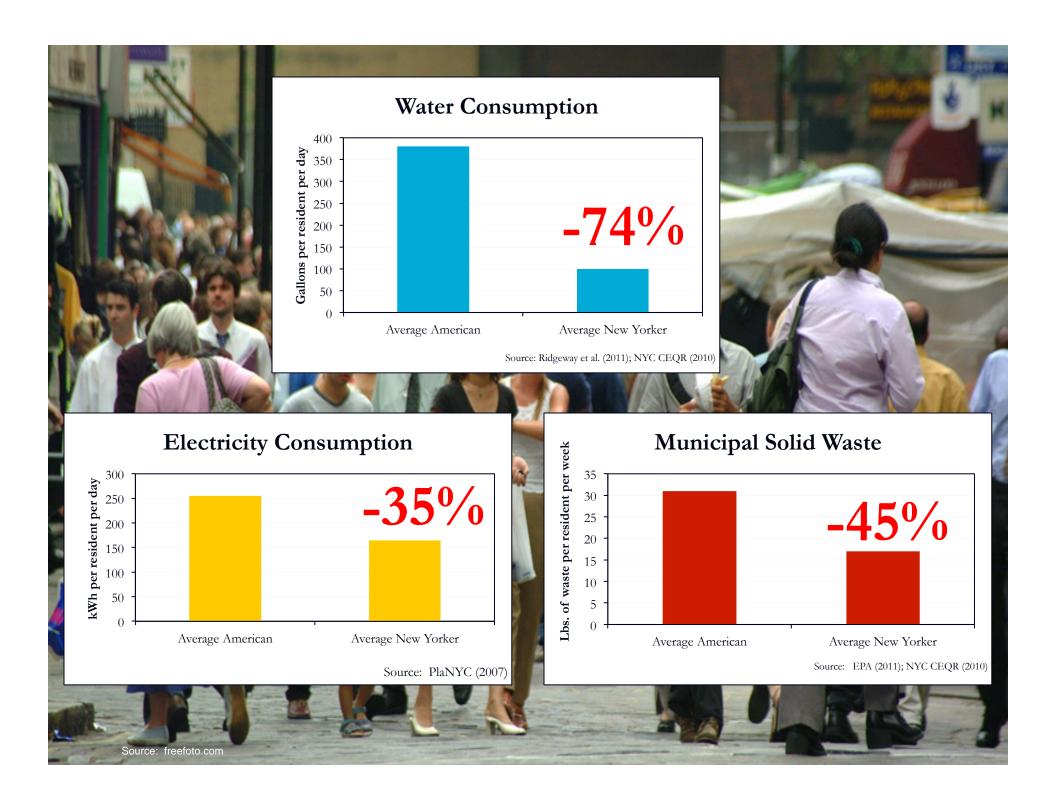












Bronx River Restoration



Million Trees NYC



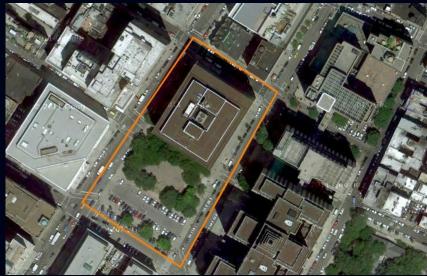


What effects environmental performance?

What effects landscape performance?

- •Landscape Composition: the pattern and distribution of ecosystems
- •Lifestyles: the beliefs, actions and choices of individual citizens
- •Climate: Temperature, precipitation, sea level rise





Skyscraper MaroXeXSXeXTools
Single Family House LasXXXXVS
Apartment Building XXXXX
Healing Brush, Patch



MXXX Forest

MXIXWXId Wetland

Slicx XIXXSelect Beach

Brush, Pencil

Base ecosystems: Buildings, transportation, forests, wetlands Modifiers: trails, green roofs, compost bins

Green Roof XXIIX

Bioswale

Foreground Backsround Color

Screen Mode (Standard / Full Screen)



Color Picker, Sampler, Marsure Zoom Estuary

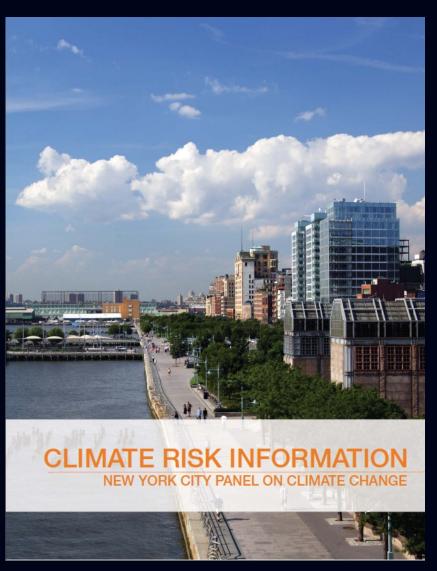
Edit Mode (Standard / Quick Mask)

Jump to Image Ready





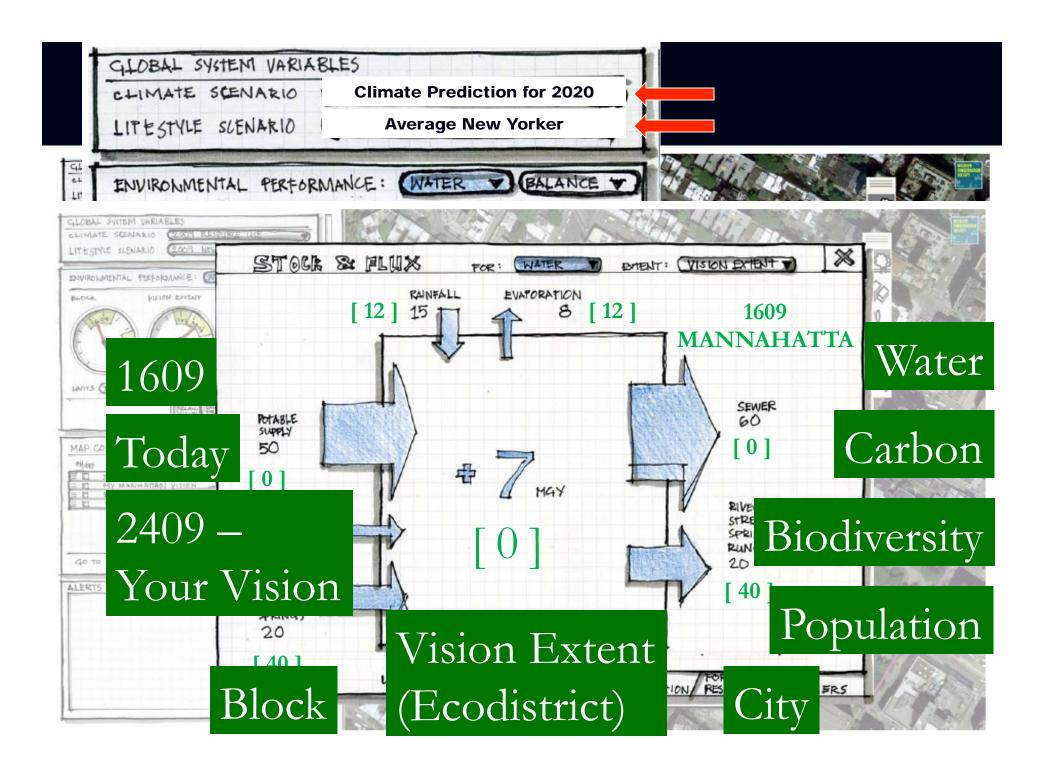
Climate Change Scenarios



- New York City's climate is changing
 - Climate 1859 1970
 - Climate 1970 2000
 - Predictions for 2020
 - ...2050
 - ...2080
- Sea Levels too!

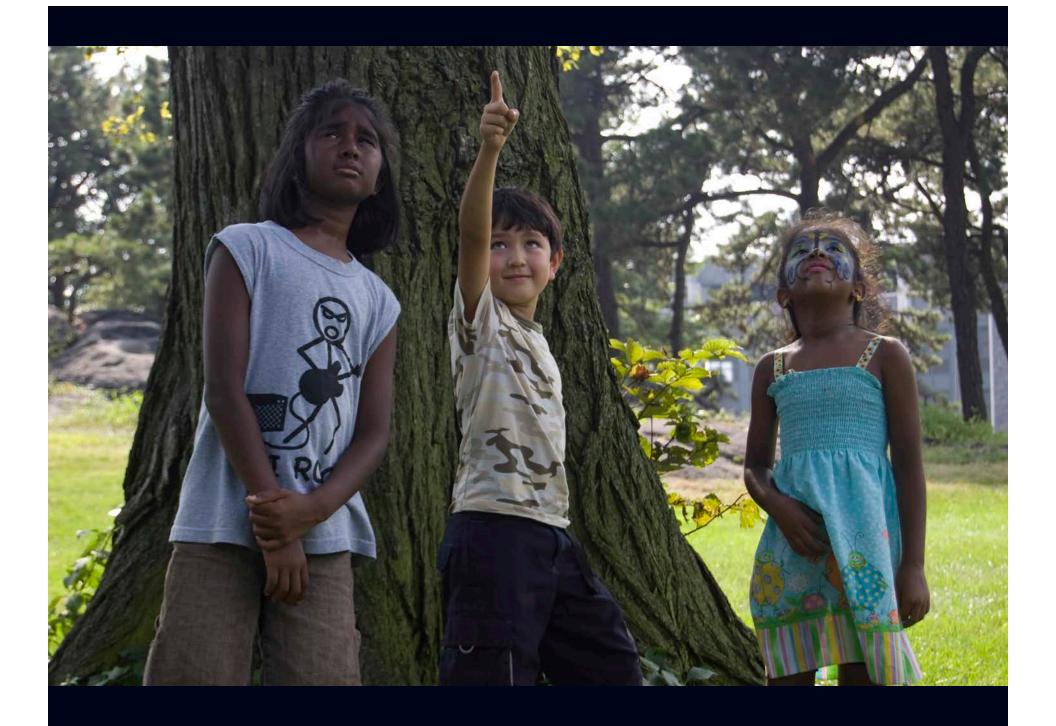


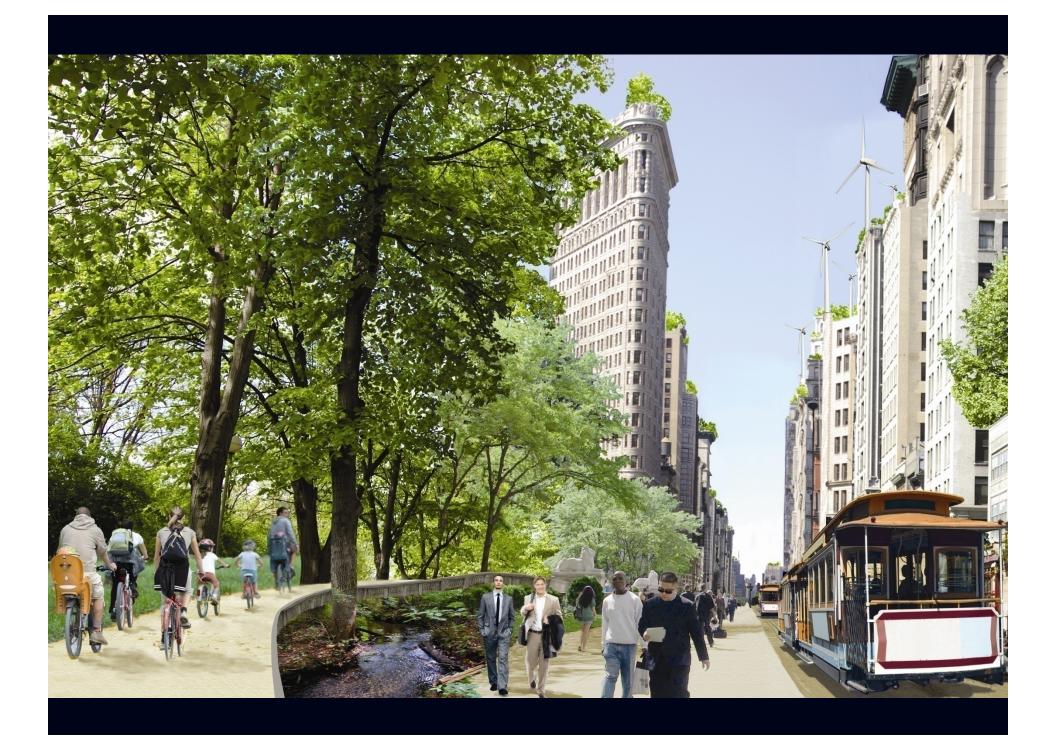
A Synthetic View of Environmental Performance for New York City



Audience

- Urban Planners, Architects, Developers
 - Quantitative assessments of the nature of the city
 - Can you make a city perform as well as a forest?
- Schoolchildren, Teachers, Curriculum Makers
 - Science, Technology, Engineering, Mathematics (STEM)
 - How do urban ecosystems work?
- You, Me, and Other Folks (i.e. General Public)
 - Share and discuss visions of future
 - What kind of city do you want to live in?









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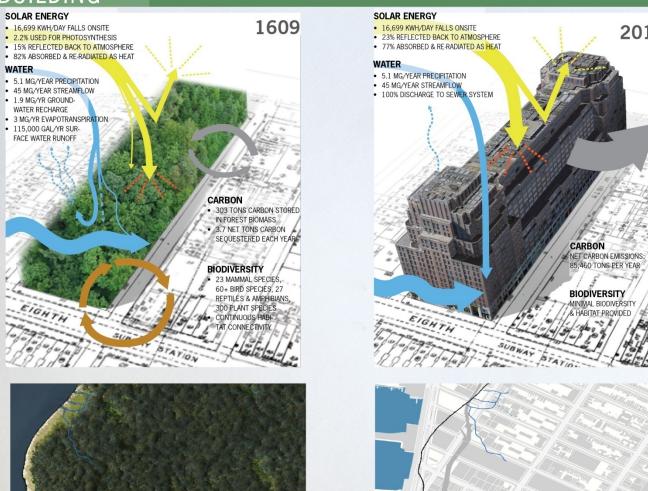
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Email: esanderson@wcs.org



GREEN BUILDING



2011

111 8TH AVENUE MAPS OF MANNAHATTA IMAGES COURTESY OF THE MANNAHATTA PROJECT Triple bottom line

Center for Neighborhood Technology