Biophilic DC

Nature in the Heart of the City

Stella Tarnay

ACPAC - MWCOG

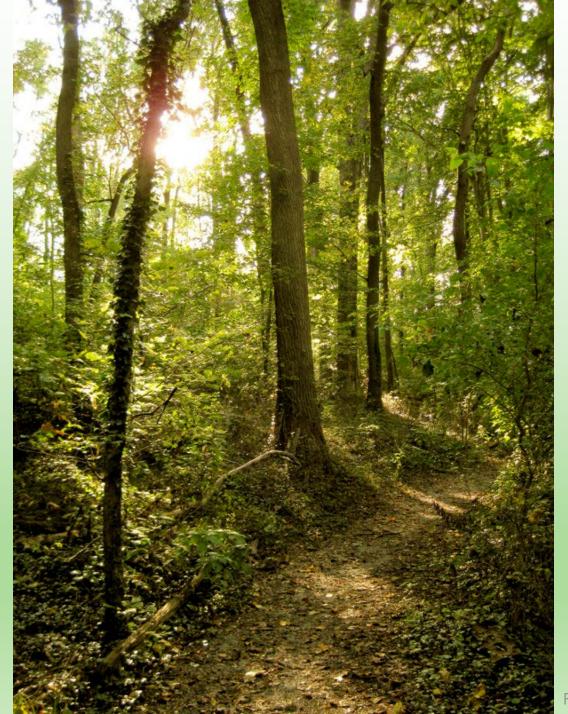
June 19, 2017









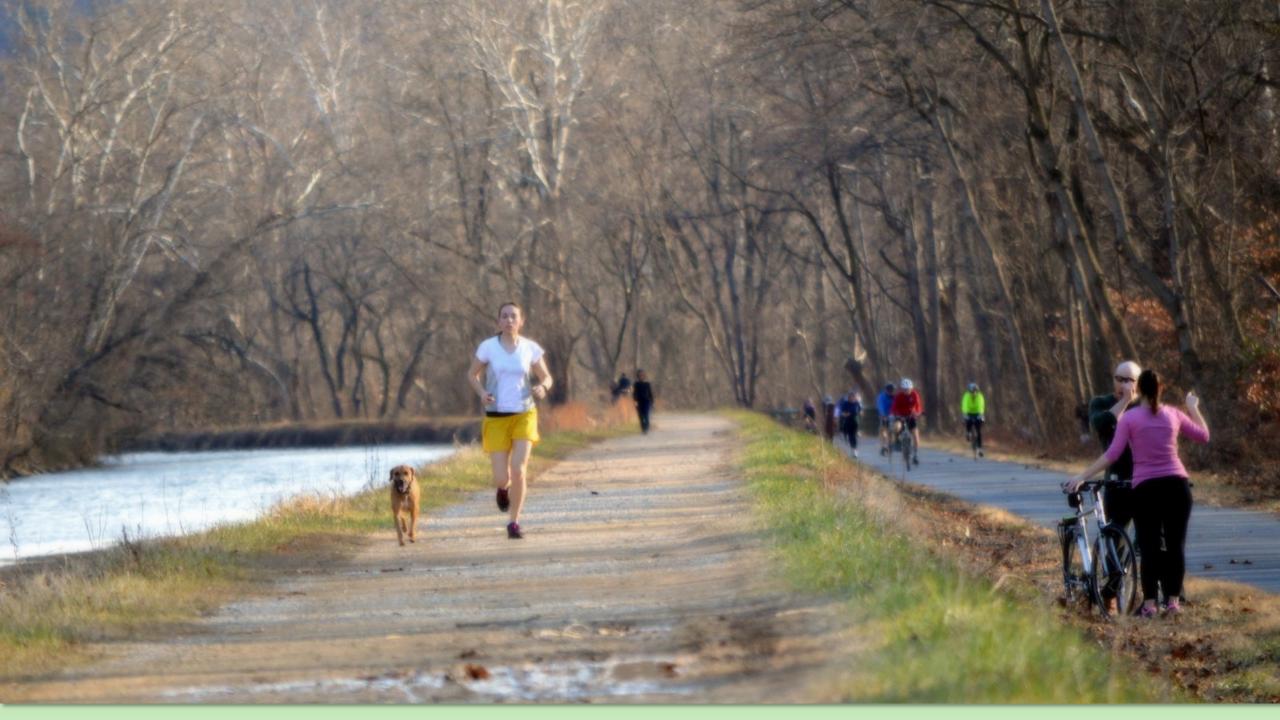


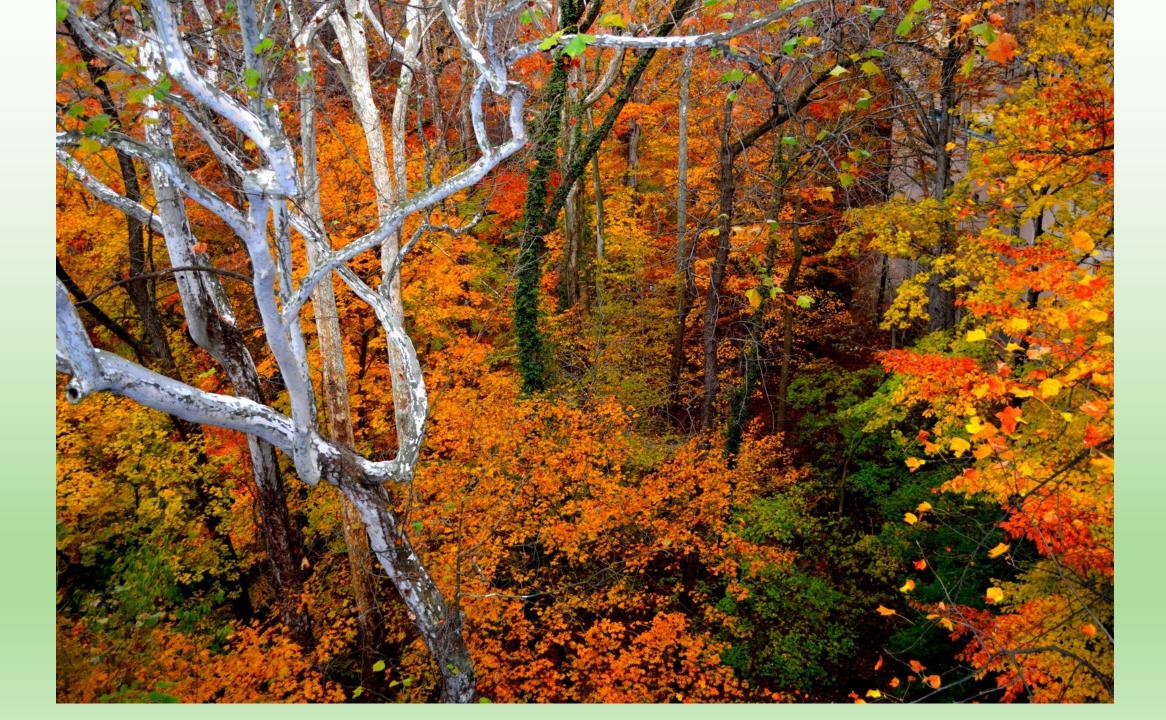
Flickr – Danny Navarro











Biophilia:

"Love of Life" "Friendship with the living world"

The innate human urge to affiliate with other living species



Pic: Rick Friedman for The New York Times



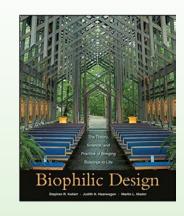
Pic: Metropolis Magazine



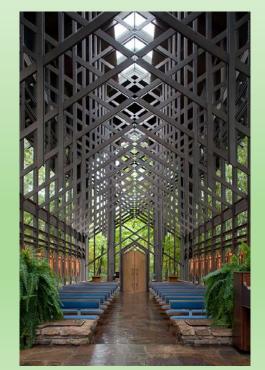
Pic: Wicoff Design Studio



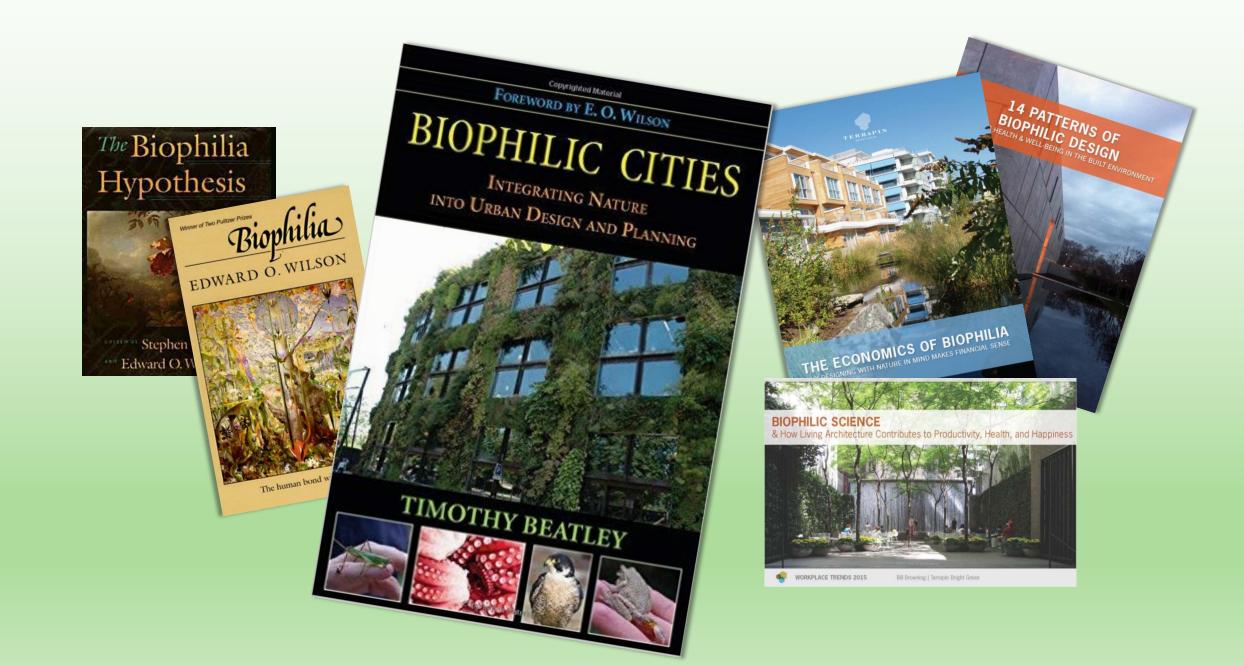




Thorncrown Chapel by E. Fay Jones















Cities as Hubs of Nature – new realities

- An urbanizing world—over 50% of humans on planet live in metropolitan areas and growing—their primary experience of nature will be in city.
- In some cases cities are repositories of biodiversity. Conservation has moved to the city.

Cities as Hubs of Nature – new knowledge

- Public health studies show that urban residents who have contact with nature are healthier— e.g. Toronto tree study. Community and individual health. Growing your own kale makes you happy!
- Communities with accessible nature shown to have lower crime rates.
- School children and office workers perform better in light-filled, nature-oriented spaces – e.g. USGBC studies.
- Public health studies at Harvard School of Public health show that people respond better to sounds of rich and diverse soundscapes.
- Biodiverse urban spaces: healthier for people and for ecosystems.



Community and Public Health (Toronto)

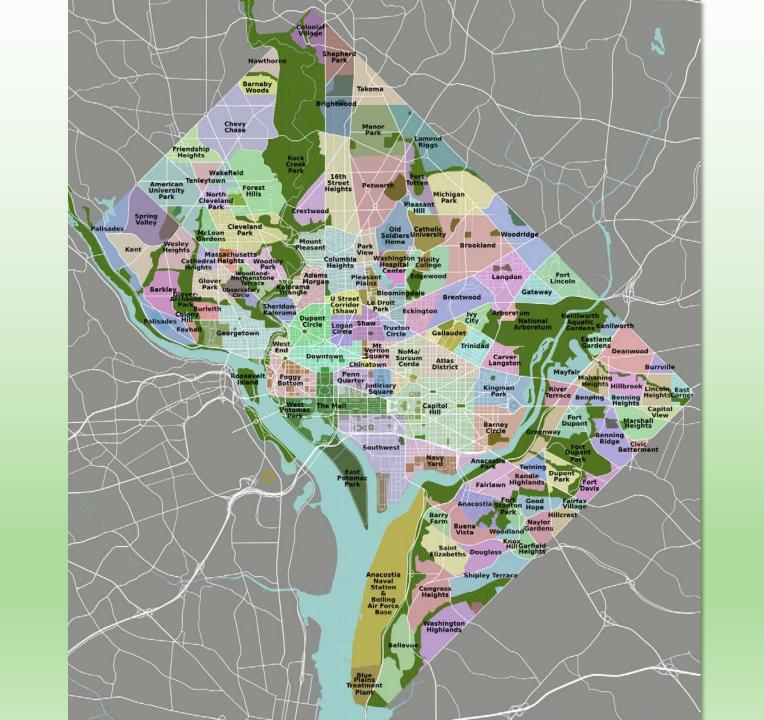
Biophilic Cities – a growing understanding

Biophilic Cities are cities that contain abundant nature; they are cities that care about, seek to protect, restore and grow this nature, and that strive to foster deep connections and daily contact with the natural world. Nature is not something optional, but absolutely essential to living a happy, healthy and meaningful life.



Tim Beatley, Founder, Biophilic Cities Network







Natural World at Our Doorstep









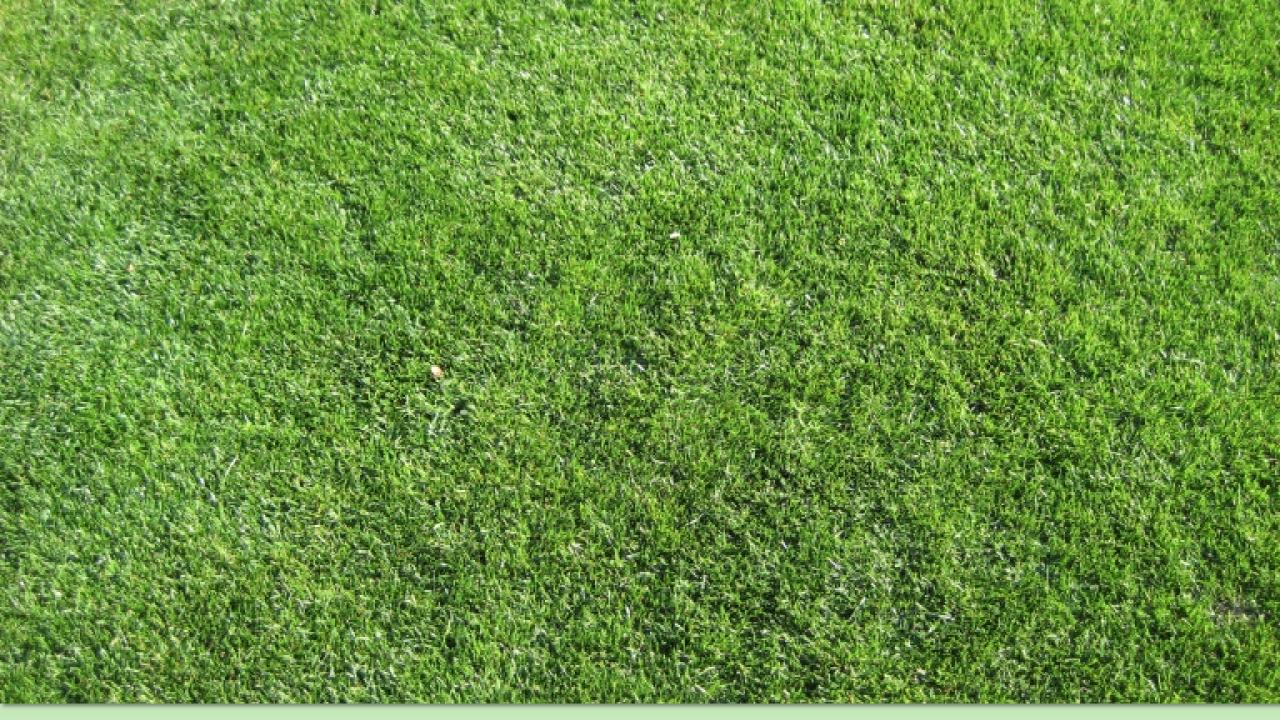


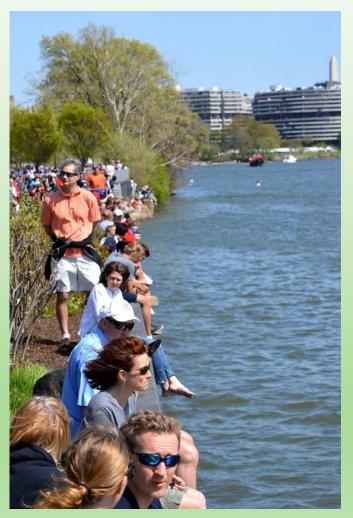
















Familytree.cm

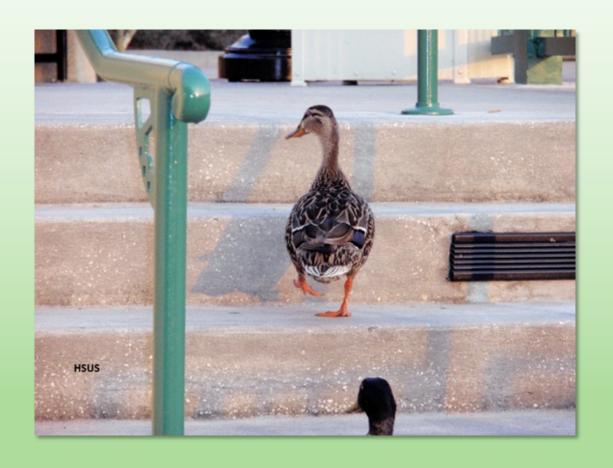
Biophilic DC Working Group

- **Vision.** We envision a Biophilic DC:
 - that supports the health and wellbeing of its people
 - whose residents—especially children—have equal access to nature all the benefits that entails, and
 - where the ecologies and species we share our city with thrive

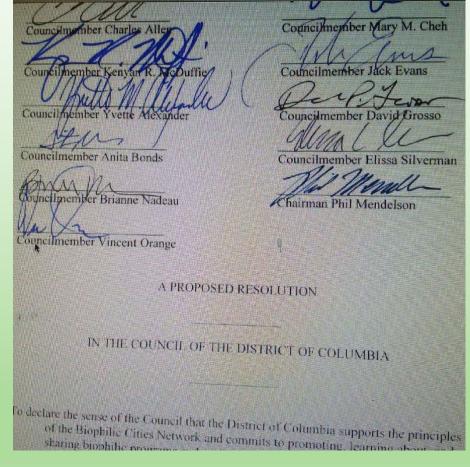
• How.

- Develop culture of engagement with nature
- Partner and collaborate across disciplines to promote biophilic policies and practices Pilot projects? Initiatives? Research?
- Public sector engagement

Action





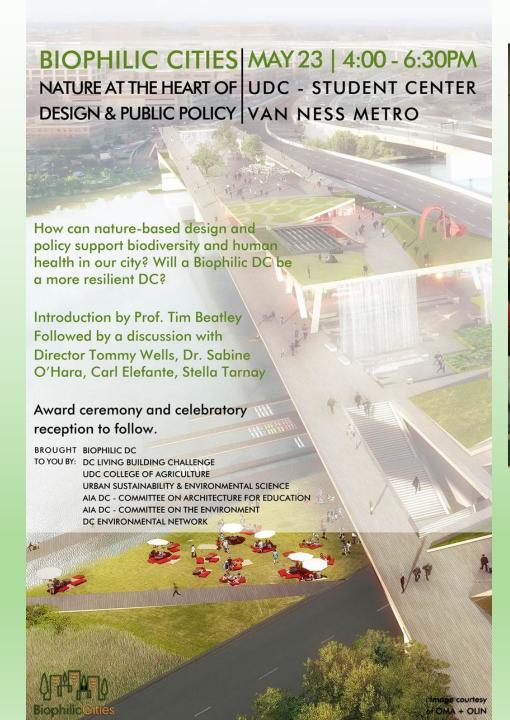


District of Columbia Sense of the Council on Biophilic Cities Resolution of 2015



To declare the sense of the Council that the District of Columbia supports the principles of the Biophilic Cities Network and commits to promoting, learning about, and sharing biophilic programs and projects with other participating municipalities, to supporting urban biodiversity, and to creating opportunities for all District residents to connect to nature.







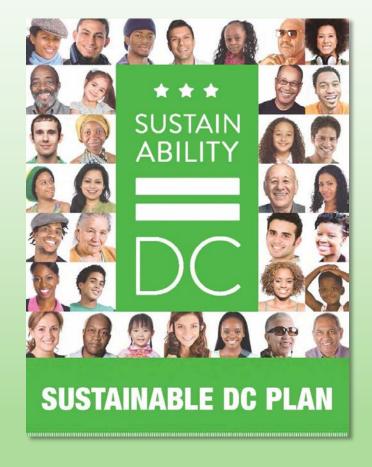








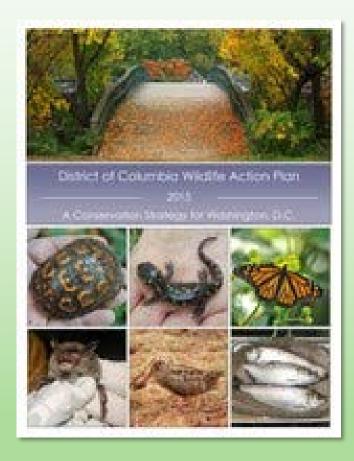














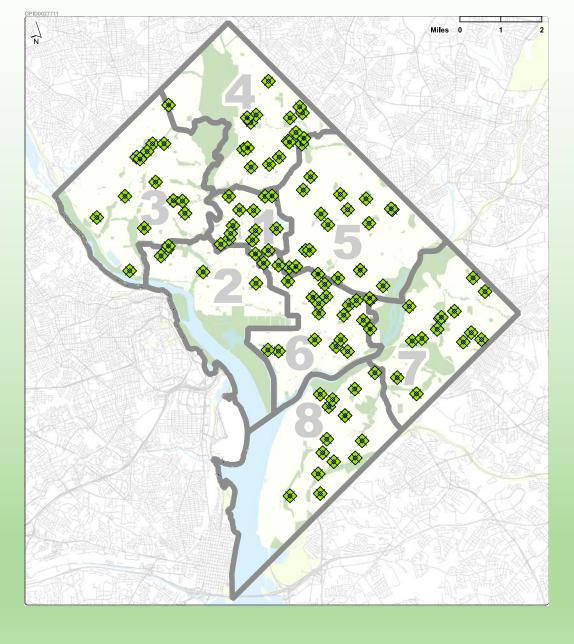








Ludlow Taylor School









bioblitz

National Parks Bioblitz • Washington, D.C.























































Who: every American! Date:

R: Nature time in your neighborhood park

sig: as needed for physical, mental health

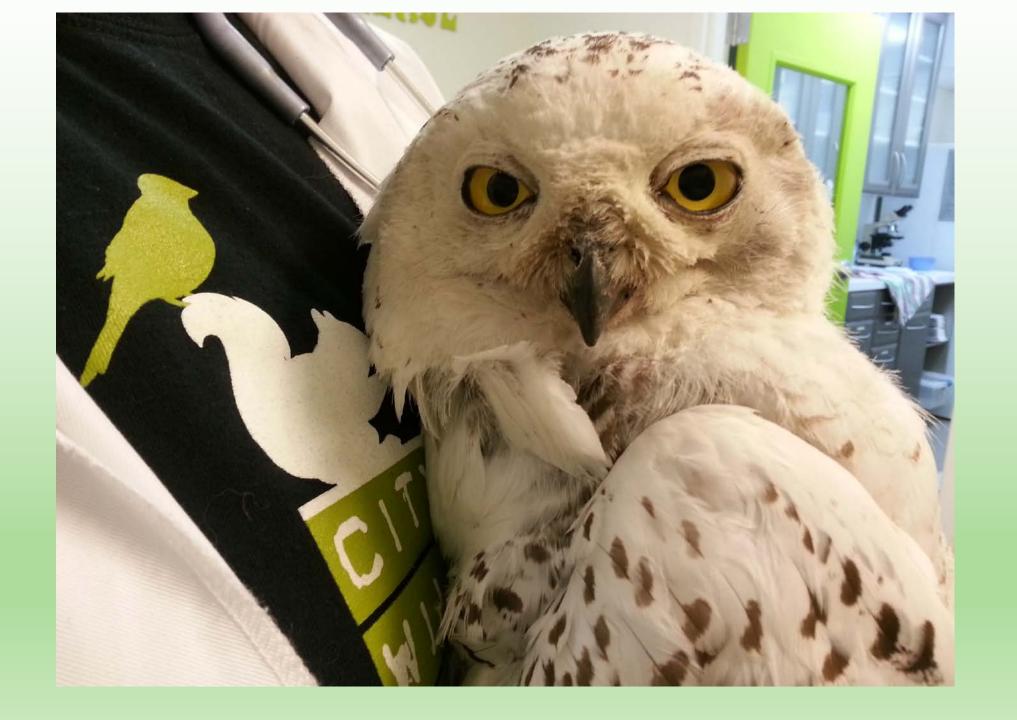
Mational Park Rx Day

April 24

ParkRx.org

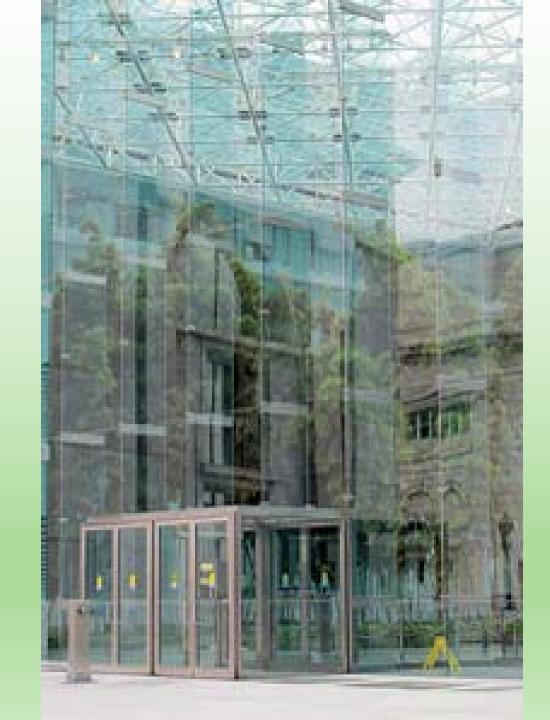


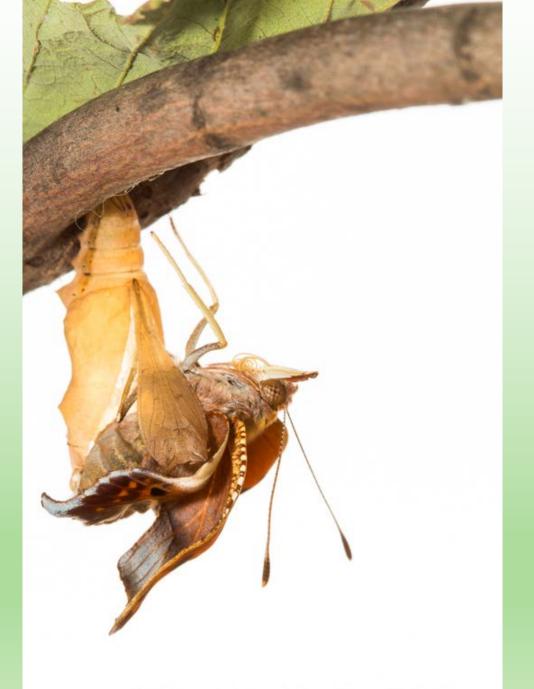


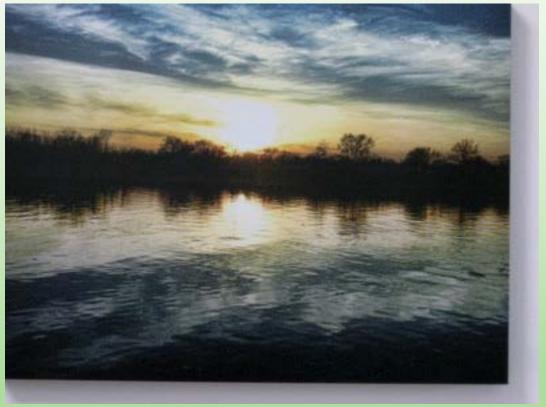












Bruce Mc Neil, photographer

© Krista Schlyer/MeetYourNeighbours





Biophilic DC Education Series: Learning from the Experts



Biophilic DC





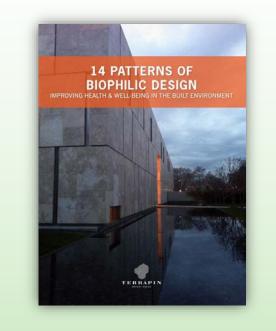


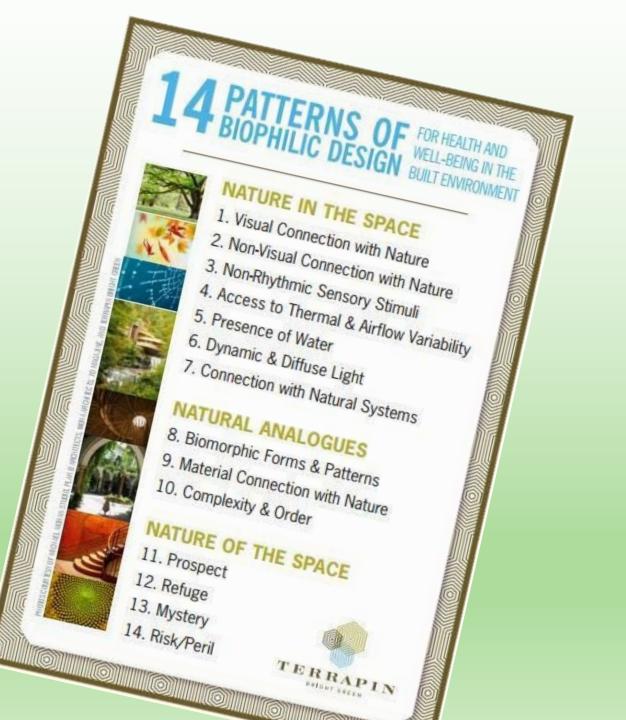
Nature in the Heart of the City: An Introduction to Biophilic Design

Monday, Sept.19th, AIA District Architecture Center



Bill will share the science behind healthy, nature-based spaces, including some great examples and key principles for designing biophilic buildings and spaces. This will be a great foundational program.









COTEdo



Master Case Studies in Biophilic Design

Tuesday, June 20th, AIA District Architecture Center

COTEdc







Biophilic DC

Integrated Land Use for Regenerative Cities

Monday, Nov.7th
District Architecture Center











A Living Laboratory – UDC Green Roof Tour

Tuesday, May 9th University of the District of Columbia











Pecha Kucha: Biophilic Design in Washington DC

Monday, Feb. 27, 2017 IStudio









Native Bees – Protecting Our Urban Pollinators

Tuesday, April 18th District Architecture Center

Learning from our Peers







Learning from Philadelphia: Urban Habitat Mapping Charrette

Wednesday, Dec. 14th National Geographic



"The ultimate goal is a habitat map for the entire city, which re-imagines Philly as a place of wild nature, habitat for a multitude of species living with and among us as humans."

Learning from St. Louis





Learning from Singapore





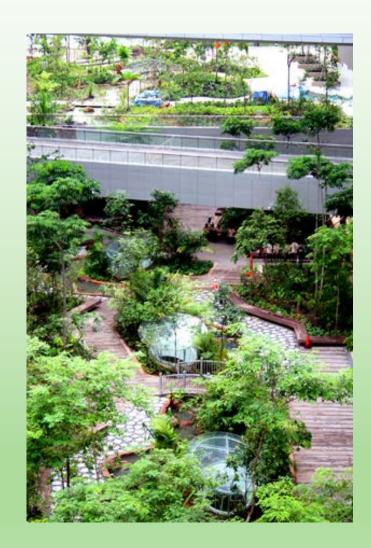






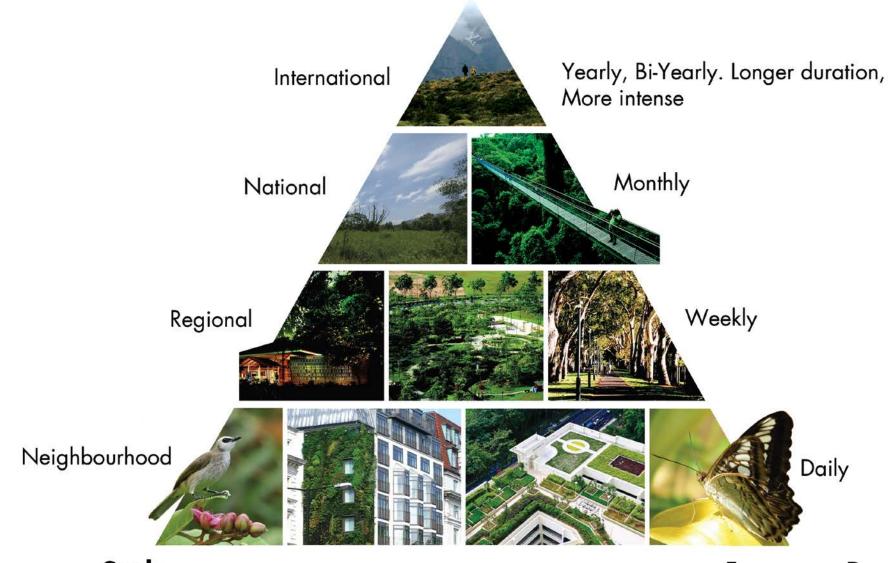
Khoo Teck Puat (KTP) Hospital, Singapore

Pic: cpg consultants





Pic: tropicalenvironment.com



Scale Frequency, Duration Intensity of Immersion

Learning from Edmonton





Learning from Austin





Learning from Each Other





Regional Citizen Science Gathering

March 15th, 2017 National Geographic







































Learning from Urban Environment







Healing garden design for Walter Reed





Bird Friendly Coffee Farm











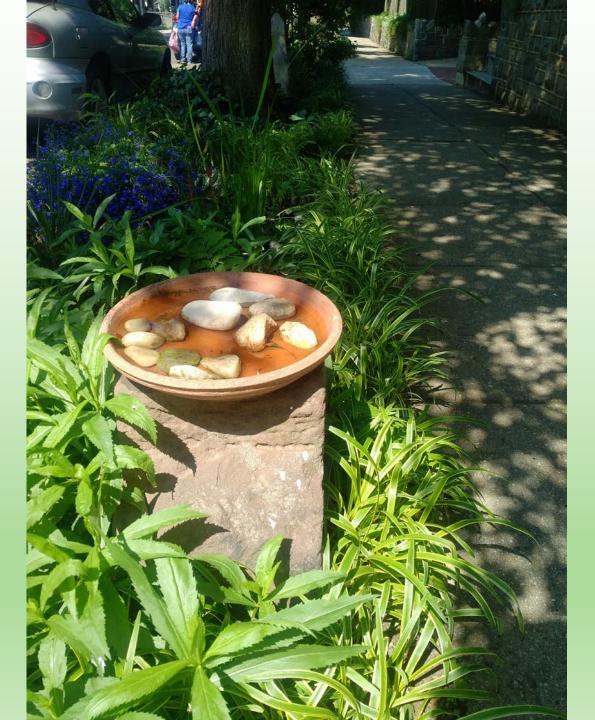


















Melanie Choukas Bradley A Year in Rock Creek Park

Biophilic DC

Biophilic DC is a civic initiative that supports nature engagement and nature-based design for the wellbeing of DC's human residents—and the species we share our city with.







#lovenaturedc

Coming soon: www.biophilicdc.org

Contact: biophilicdc@gmail.com