



Digging Deeper

The Role of the PhD in the Landscape Architecture

Profession

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Ph.D. Program in the Built Environment

Why do a Ph.D. in a design field?

- Personal commitment to learning
- Build knowledge base in the field
- Expand the boundaries of the discipline
- Prepare the next generation of practitioners



INTRODUCTION



Ph.D. Program in the Built Environment

a college-wide, interdisciplinary degree program providing students with a common core of substantial, integrated knowledges engaging the multi-faceted and complex dynamics of the built environment and the platform and opportunity to expand those knowledges.

Areas of specialization:

Sustainable Systems and Prototypes

across a range of scales, from building elements & assemblages, to buildings, site & neighborhood context, city, and region)

Technology and Project Design/Delivery

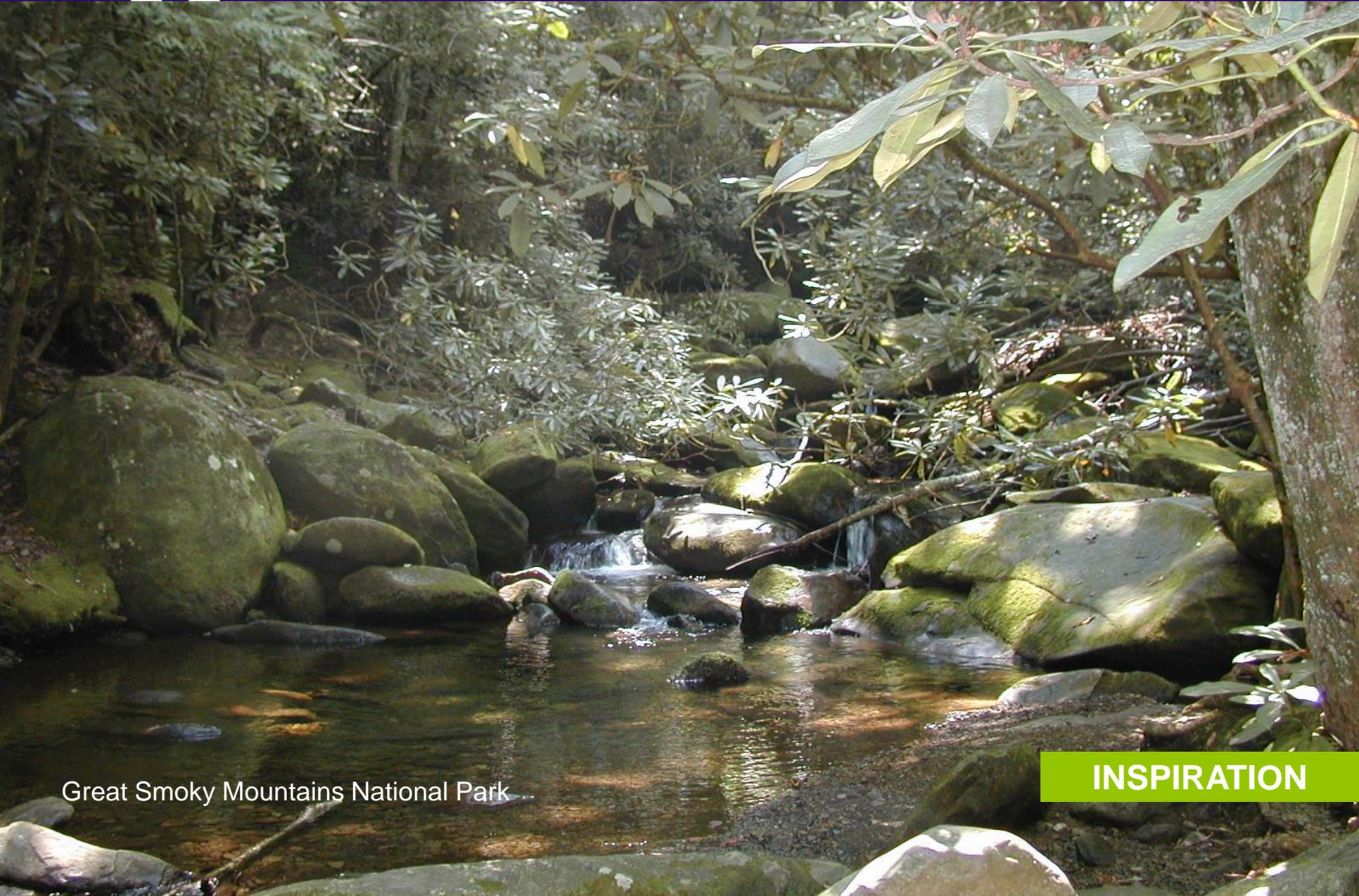
focusing on the design of computing tools for planning & design and other built-environment fields, the human-computer interface (HCI) within design-planning-construction

History, Theory, and Representation

focusing on issues of regional-global modernity

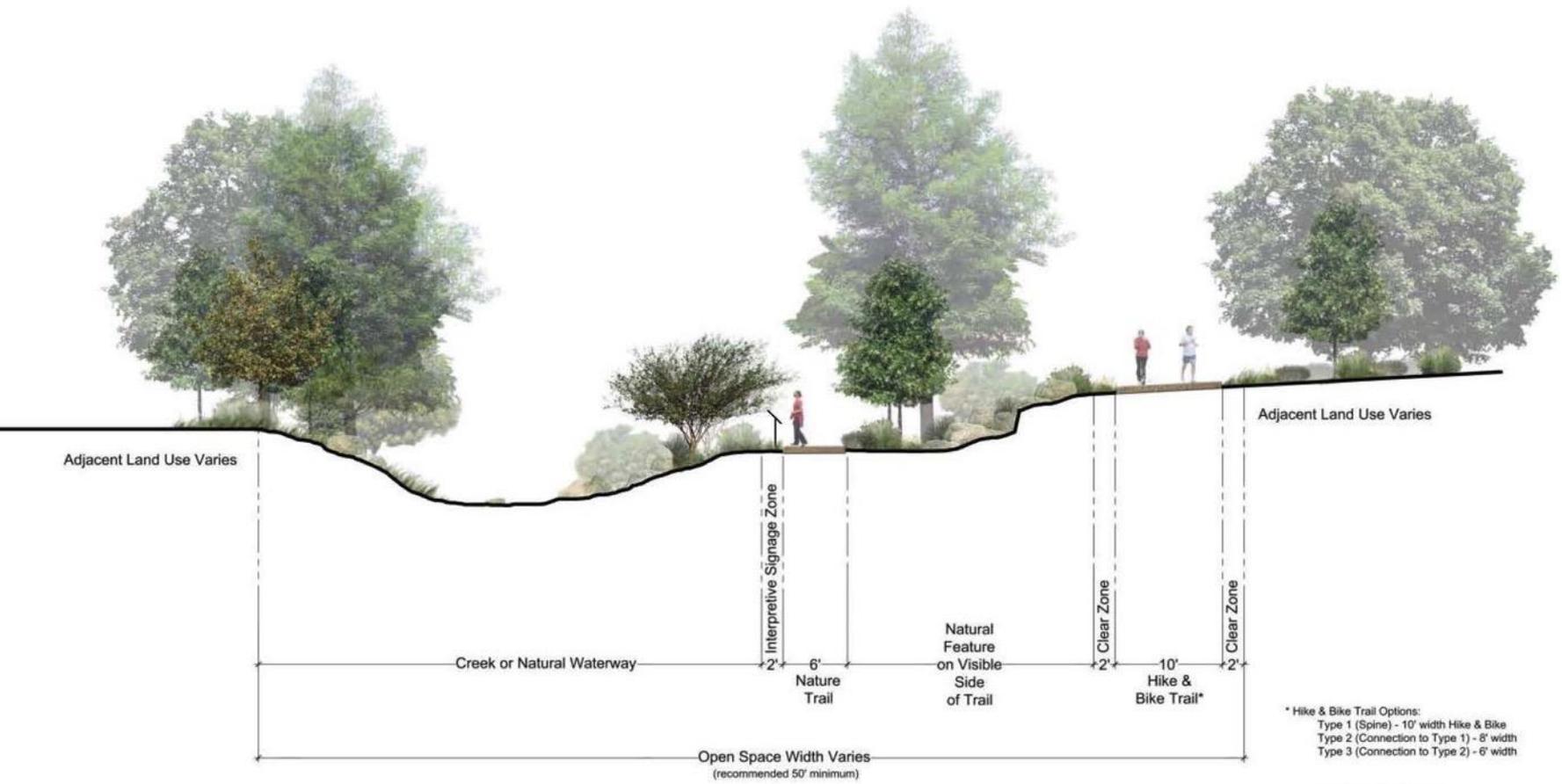


INTRODUCTION



Great Smoky Mountains National Park

INSPIRATION



Source: RVi Planning

PRACTICE



Source: Living Habitats

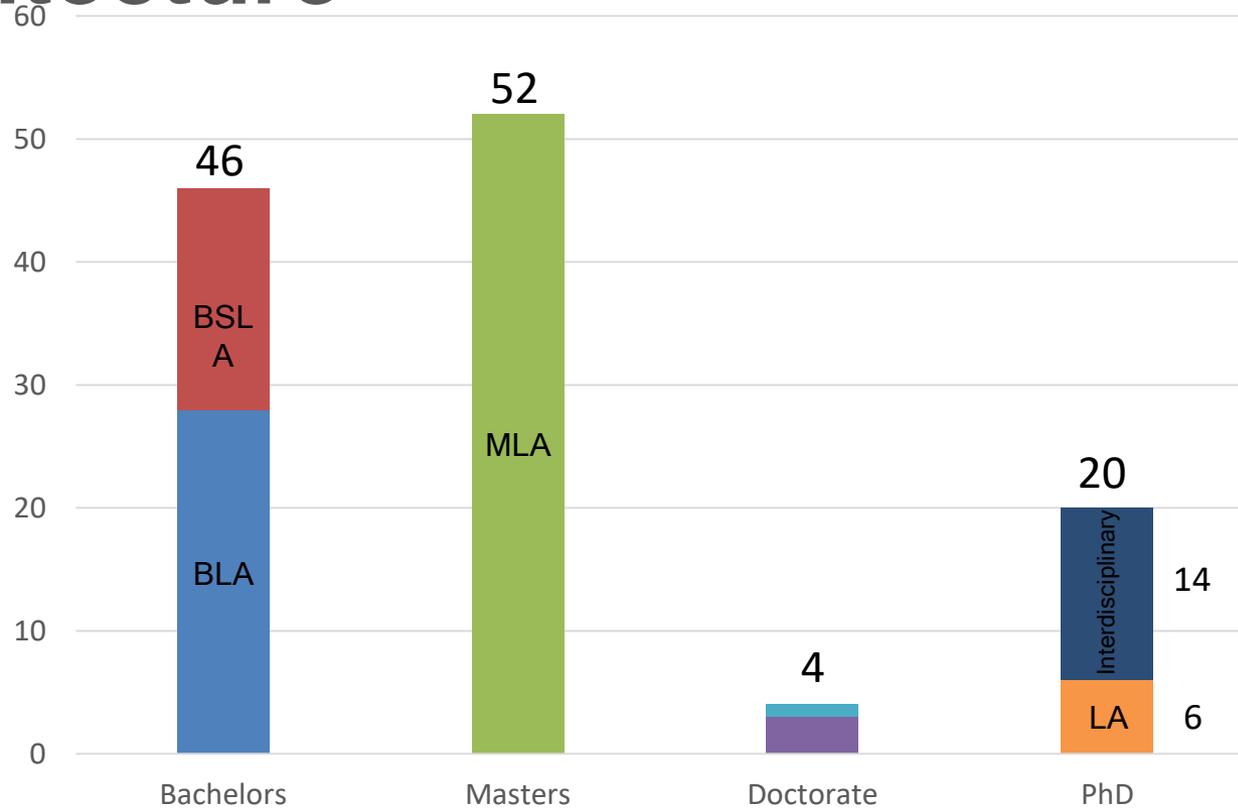
PRACTICE

What is Academia?

- Scholarship
- Pedagogy
- Research



Academic – Landscape Architecture



ACADEMIA



What is a PhD?

- Research Approach
 - Historical knowledge
 - Design trials
 - Field studies
 - Design performance
 - Post Occupancy

RESEARCH



Source: Leann Andrews

What is Research?

- Methodology
- Collaboration
 - Practice
 - Academia

RESEARCH



What is Research?

- Methodology
- Collaboration
- Communication
 - How?

RESEARCH



“Research is creating new knowledges”

~ neil armstrong

RESEARCH



Next Steps

- Human connections to landscapes
- Green Infrastructure
- Intersection of ecological health, human use, and design applications

RESEARCH

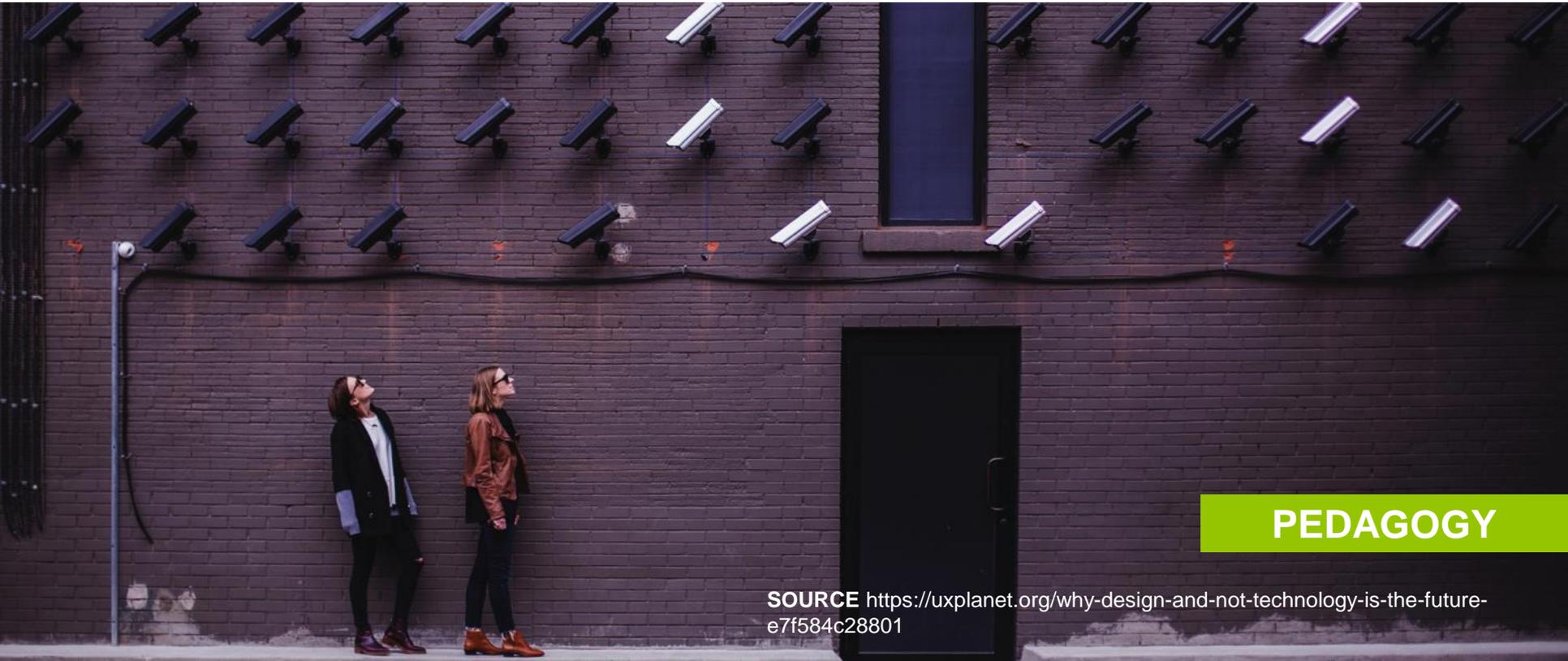


Why Design and not Technology is the Future



Nik Parekh [Follow](#)

May 24, 2018 · 3 min read



PEDAGOGY

SOURCE <https://uxplanet.org/why-design-and-not-technology-is-the-future-e7f584c28801>



Digital practices and public spaces

- How do digital technologies and new media inform the ways in which we experience, access, navigate the places we live?
- How do smart city technologies make public space more or less safe? Democratic? Accessible? Sustainable?

PEDAGOGY

SOURCE: Digital Cities Challenge



SOURCE: CIO <https://www.cio.com/article/3294207/how-singapore-is-driving-the-development-of-autonomous-vehicles.html>

PEDAGOGY

What can historic media technologies like film

- Reveal how cities and their public spaces functioned?
- Understand how people imagined and were influenced by media?

SOURCE: Walter Ruttmann, *Berlin: Symphony of a City*, 1927

PEDAGOGY



Linking Pedagogy to Practice and Its Social and Environmental Context

Historiography

Examining *how* history is made—ideas, materials—and who makes it

Critical Theory

Confronting the social, historical, and ideological forces and structures that produce and constrain culture

Case Studies

Creating and dissemination case studies for public use

Experimentation and Research

Collaborate testing and development of ideas, technologies and design through teaching

Interdisciplinary Collaboration

Connecting diverse knowledge across interdisciplinary boundaries

PEDAGOGY

Interdisciplinary Thinking





FALSE CREEK FLATS



Design Studios

a space for design ideas and sharing knowledge

- Provide students space to **conduct innovative and meaningful research**
- Draw in **interdisciplinary ideas and contributors**
- Create opportunities to learn how to **disseminate and publish findings**
- Develop intercultural literacies, facilitation and advocacy
- Experiment with new ideas and **approaches**

PEDAGOGY

Soils, Brownfields, Community and Climate Change Studio at the University of British Columbia

SOURCE Jiffy Lee, *False Creek Flats*, University of British Columbia, 2015

Film Explorations



PEDAGOGY



Film Explorations



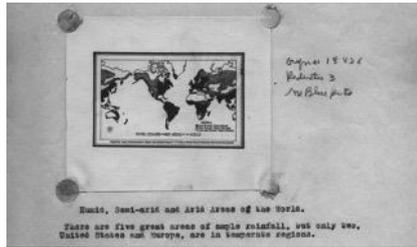
PEDAGOGY



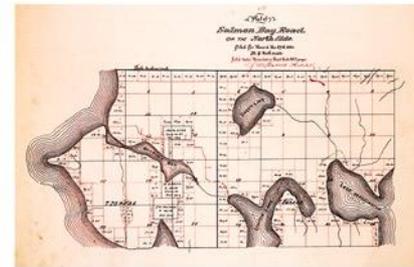
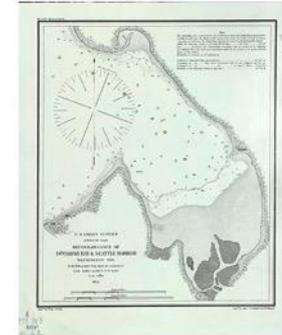
Preparing the Next Generation with New Knowledge for the Profession in Troubled Times

- **Critical thinking skills** to analyze and challenge current ideas and ideologies, policies and technologies
- **Theories and practices of community facilitation**, advocacy and empowerment
- Testing new ideas, **taking risks and making connections** to the ideas and practices of other disciplines
- Building **social infrastructure and human resilience** in the face of an unpredictable

PEDAGOGY

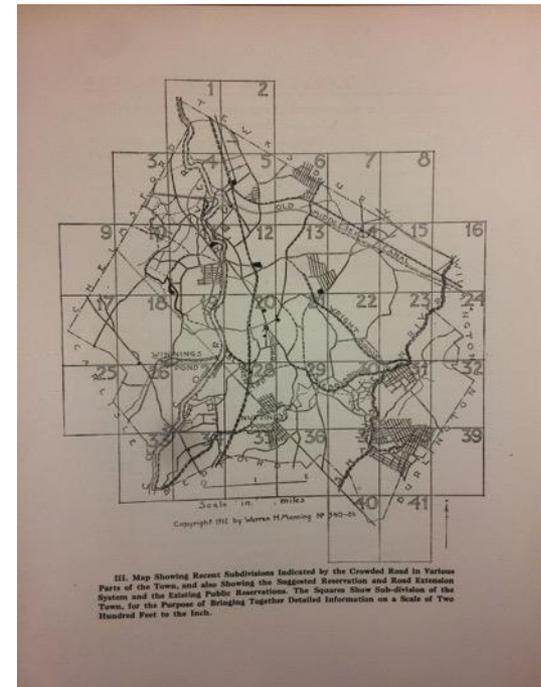
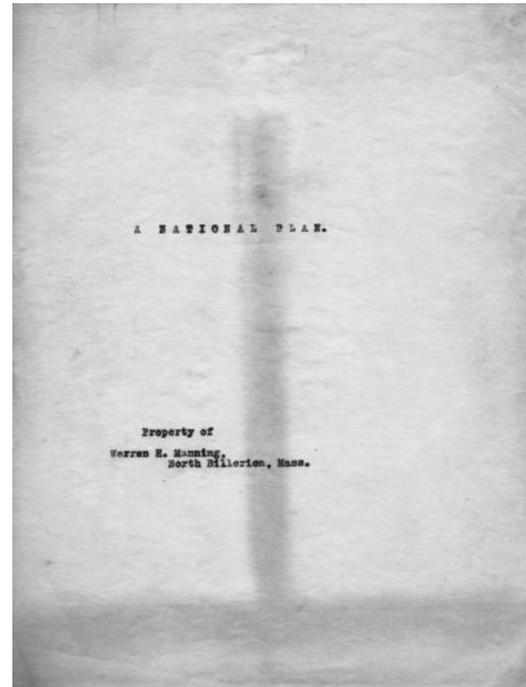
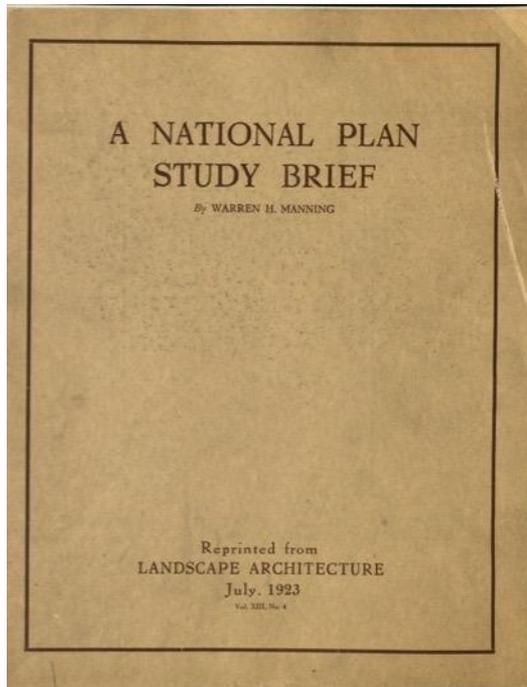


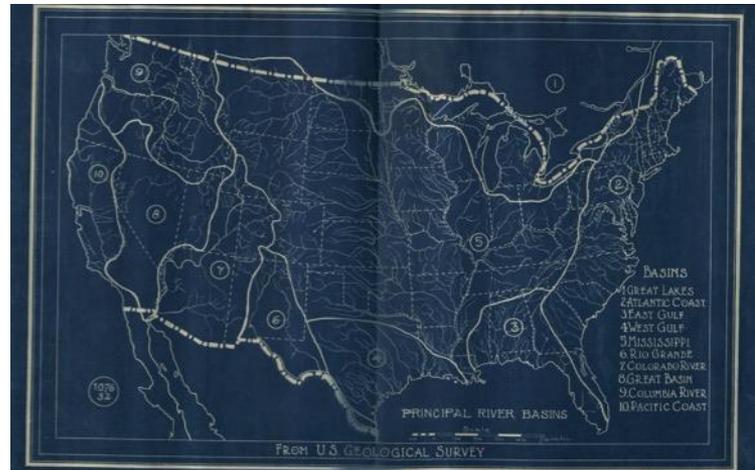
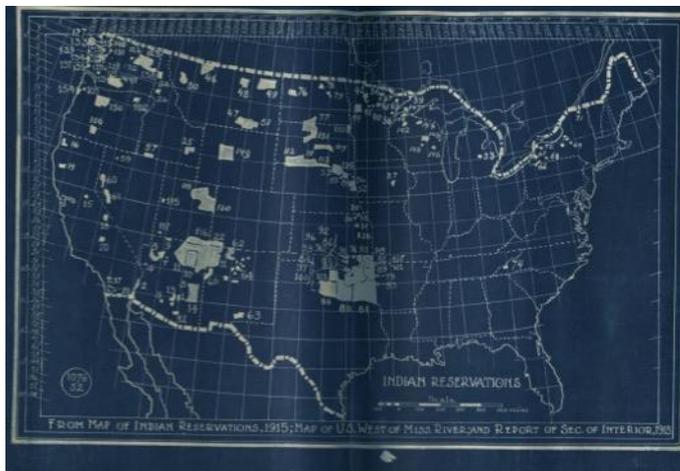
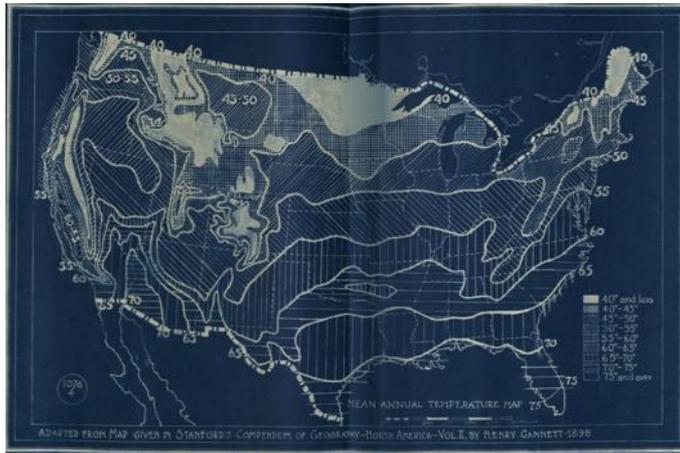
MAINTENANCE ART WORKS - MERLE LACHSMAN GUESS
King County Art Commission
September 22, 1971
Dear Art Commission:
Re the suggestion of Federal Parkways, I am
writing to request a 2' (approx) 1/2" -
"wide" local easement on the right of way, adjacent
to the parkway.
The new parkway is 200' wide to the 1961 map, but
is 200' wide to the 1961 map - and since the
parkway I had a great view of the city - you know
that the easement will give great views of
the city and the surrounding area.
I would like to suggest that you grant a
2' wide easement on the right of way -
in the area of 1000' on the right of way.
Thank you,
Merle L. Gueess

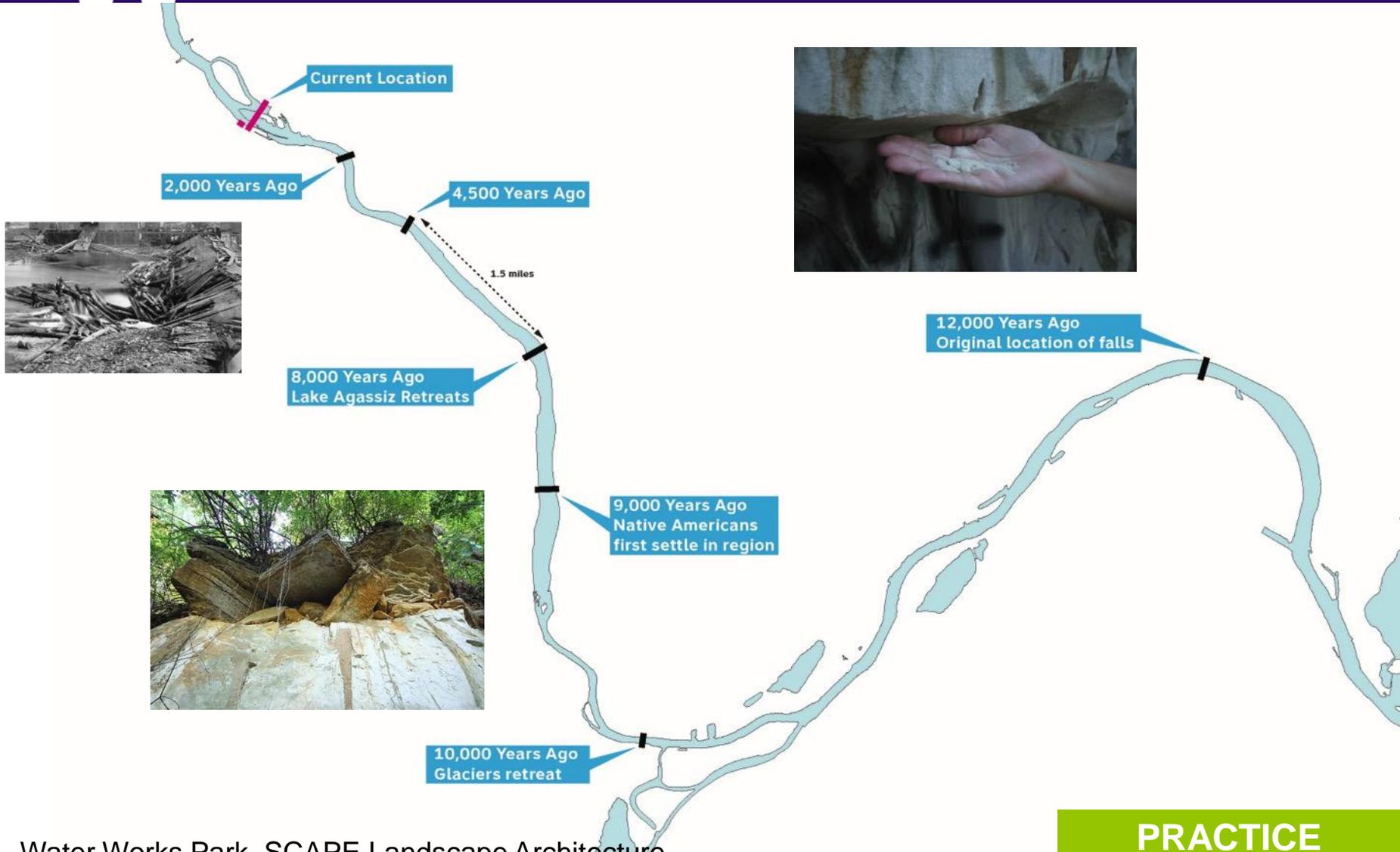


King County Archives

SCHOLARSHIP

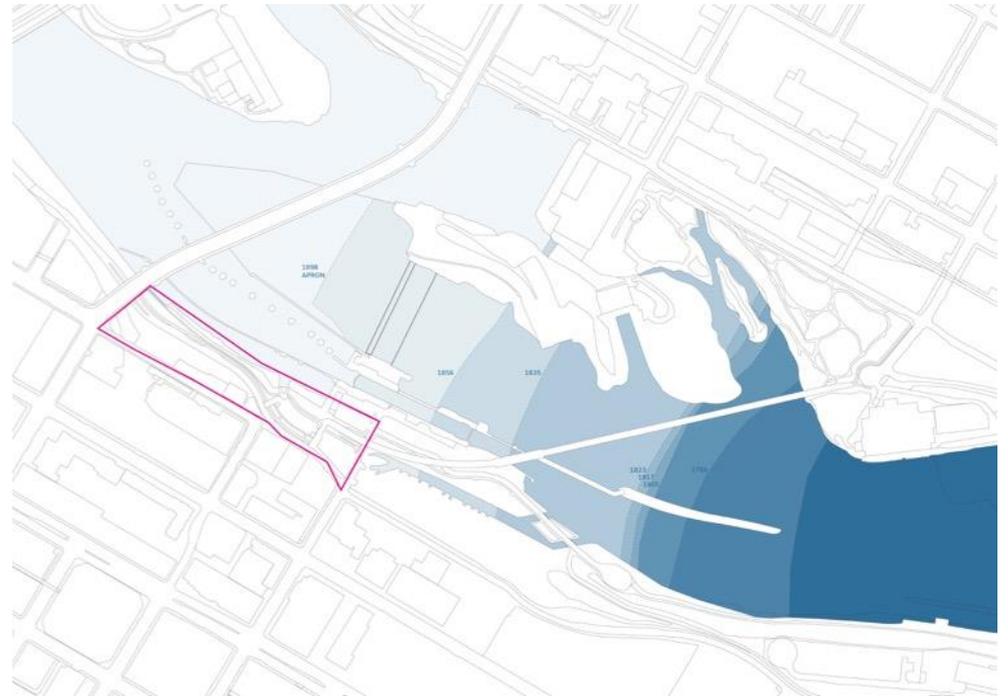






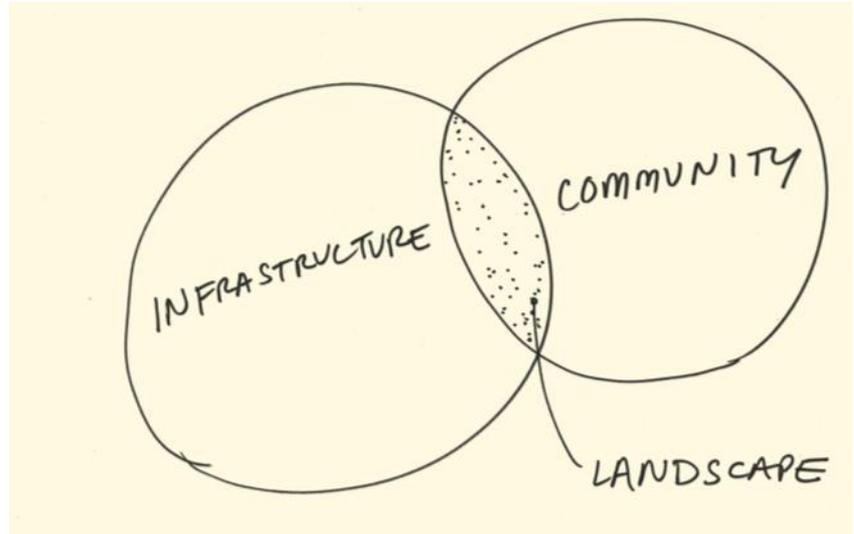
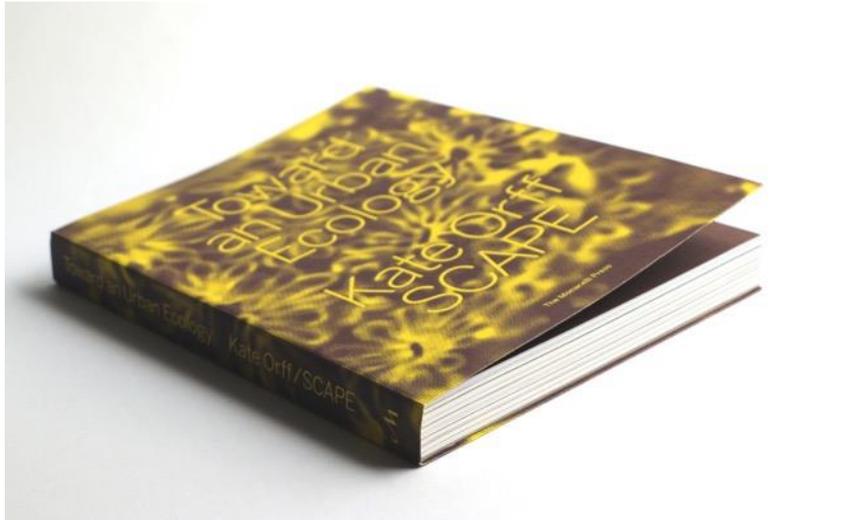
Water Works Park, SCAPE Landscape Architecture

PRACTICE



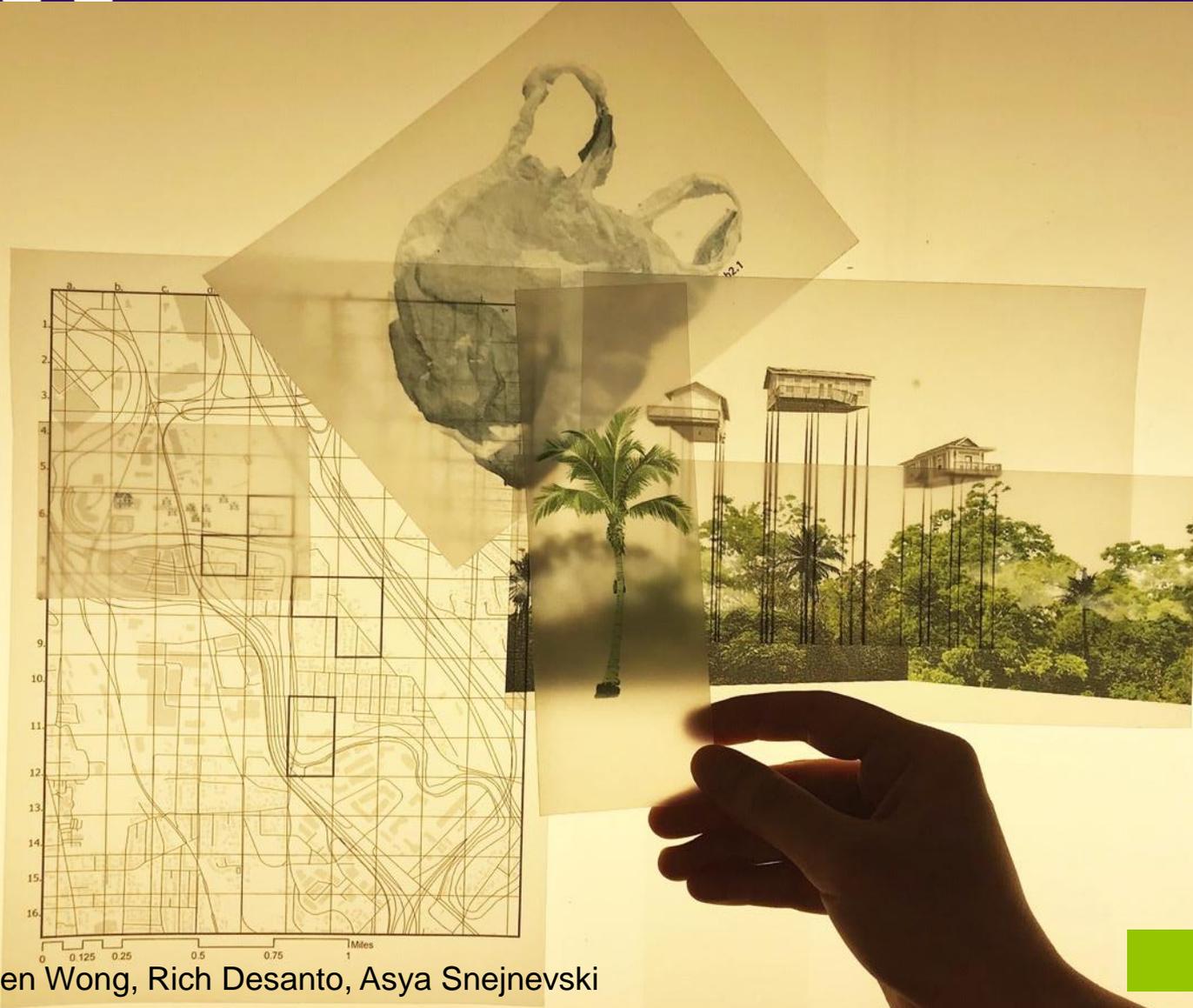
Water Works Park, SCAPE Landscape Architecture

PRACTICE



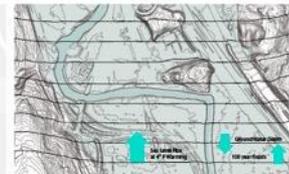
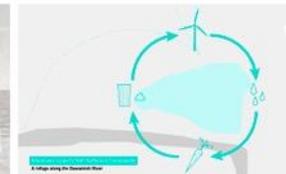
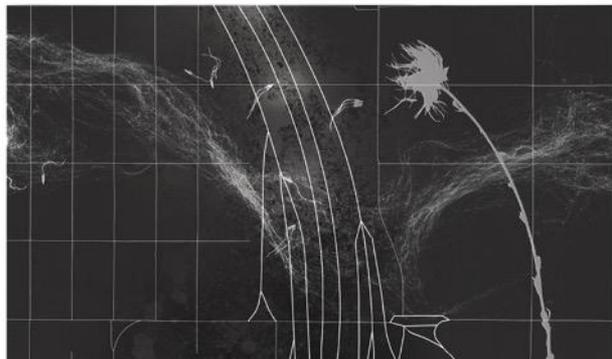
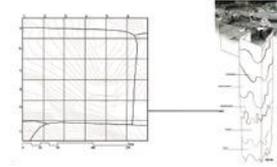
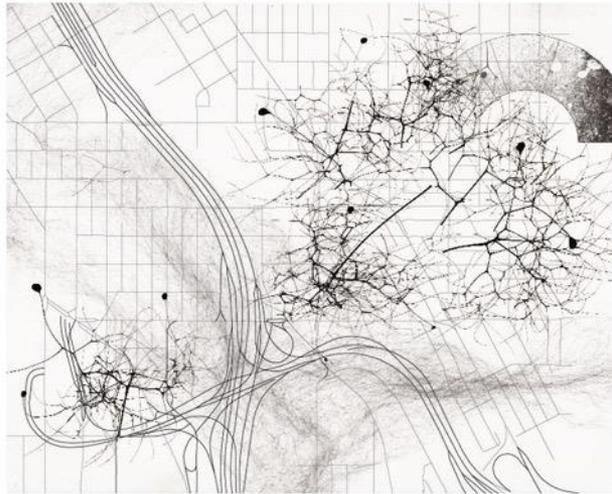
Toward an Urban Ecology, SCAPE Landscape Architecture

PRACTICE



Lauren Wong, Rich Desanto, Asya Snejnevski

PEDAGOGY



Lauren Wong, Rich Desanto, Asya Snejnevski

PEDAGOGY



Practice

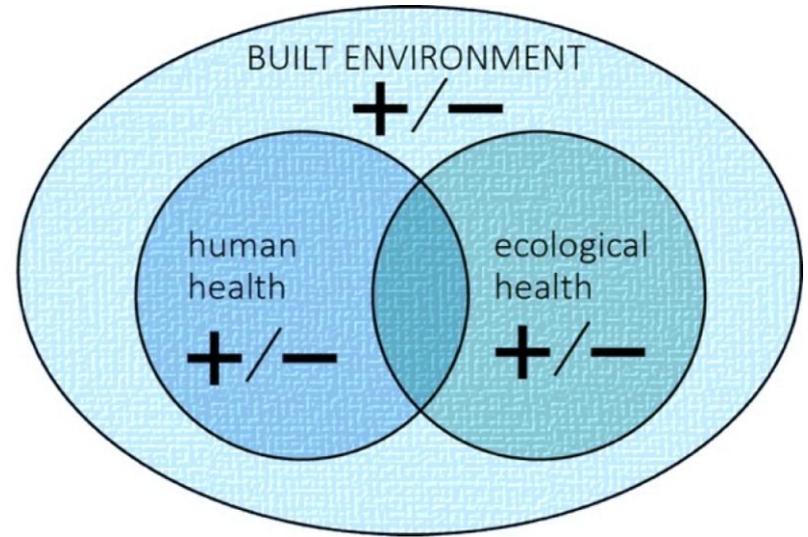
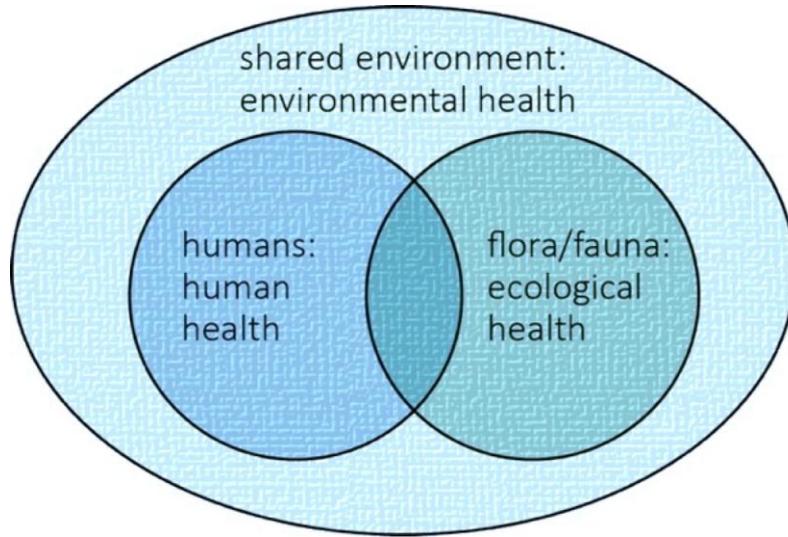
- Licensed LA (2011)
 - URS (now AECOM)
 - The Collaborative Inc.
 - Greenscapes
 - Landscapes & More

Academia

- BE PhD (2018)
- NIH Fogarty Global Health Scholar
- LAF National Olmsted Scholar
- Teaching at UW

Hybrid

- Green Futures Research and Design Lab
- Traction
 - InterACTION Labs Program





TRANSDISCIPLIN
ARY ACTION
RESEARCH



InterACTION Labs



90

faculty,
students,
professionals

50

% Peru/US team



26

disciplines



8

research
centers

280

residents



IQUITOS PERU



CLAVERITO



- Part 1: Community Entrance Garden
- Part 2: Household Floating Gardens (28)
- Part 3: Community Entrance Garden
- Part 4: Home Gardens (31)
- Part 5: Community Center + Garden



**INTERACTION
LABS**



INTERVENTION



COLLEGE OF BUILT ENVIRONMENTS
UNIVERSITY of WASHINGTON

BE / ARCH / CM / LA / RE / UDP / PHD



INTERVENTION

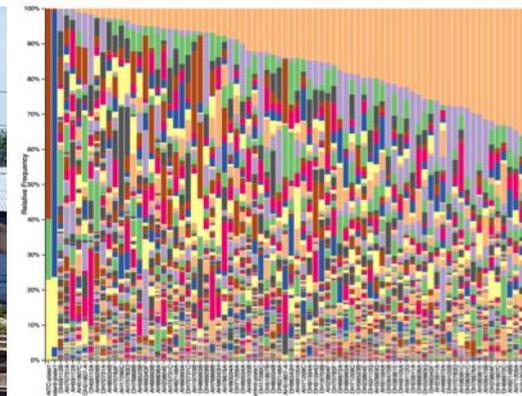
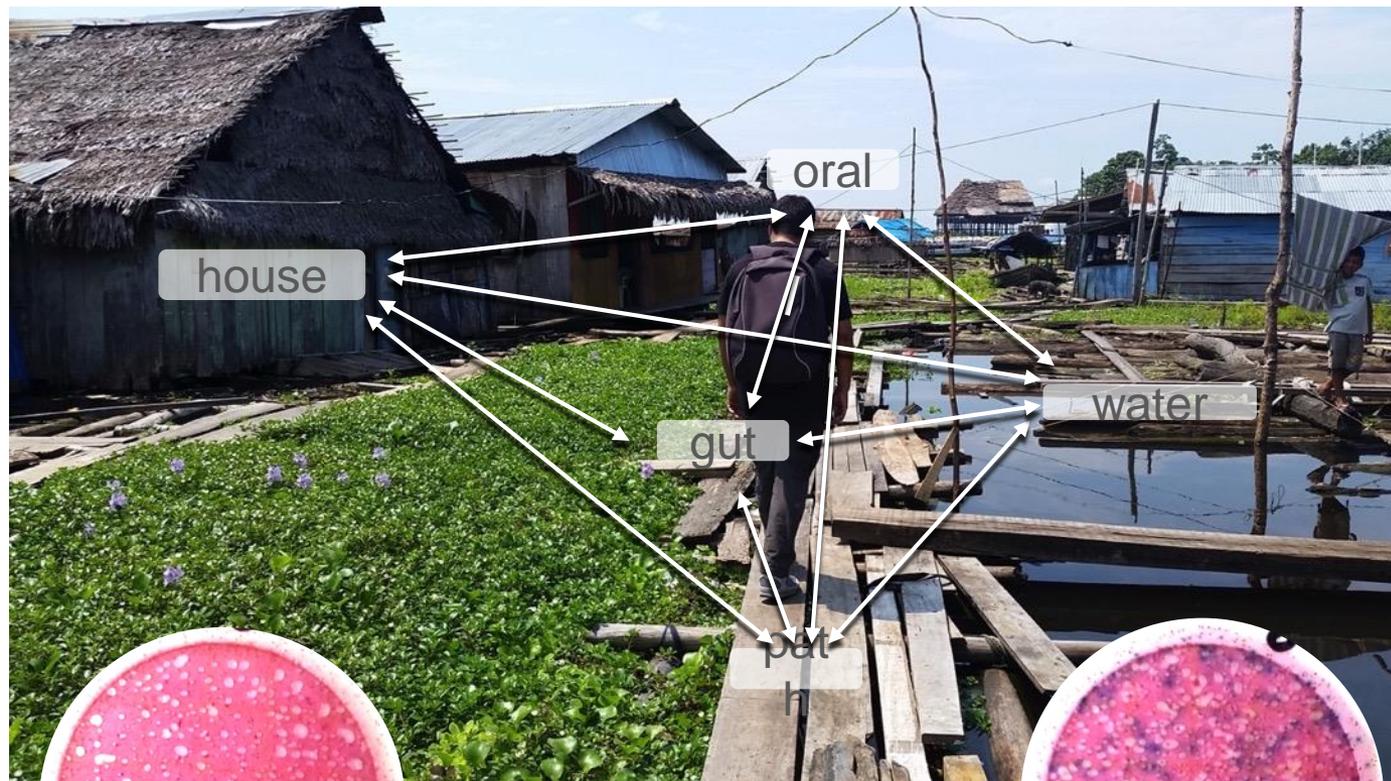


COLLEGE OF BUILT ENVIRONMENTS
UNIVERSITY of WASHINGTON

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with plants



without plants

depression / anxiety
gum disease / tooth decay
bacterial infections
gastrointestinal diseases
biodiversity / species loss



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