



HANNAH MICHAEL FLYNN

PORTFOLIO

2020-2023



HANNAH MICHAEL FLYNN

hannahmichaelflynn@gmail.com /// (310) 948-3742

SCHOOL WORK

- | | |
|--|-------|
| 01 This Must be the PLaCE / Glendale Narrows | 4-9 |
| 02 Populus Park / G2 Parcel | 10-15 |
| 03 Tierra Park / Adams-Normandie | 16-21 |
| 04 From the Ground Up / Angeles National Forest | 22-27 |
| 05 Wiggle Room / Long Beach | 29-33 |
| 06 Livability and Risk / Long Beach | 34-35 |

PROFESSIONAL WORK

- | | |
|---|-------|
| 07 Fifty-One Miles + the LA River Story Slam / Los Angeles | 36-37 |
| 08 Test Plot / Multiple sites across Los Angeles | 38-39 |
| 09 SGMA / San Joaquin Valley | 40-41 |

PERSONAL WORK

- | | |
|---|-------|
| 10 Illustration and sewing / Los Angeles | 42-43 |
|---|-------|

Cover: LA River, 1921 patchwork tapestry, scrap denim and thread. Completed for a Fall 2021 studio to create abstract images depicting the Los Angeles River in 1921 and 2121.

Inside cover: Angeles National Forest, charcoal pencil on paper, Spring 2022.

THIS MUST BE THE PLaCE

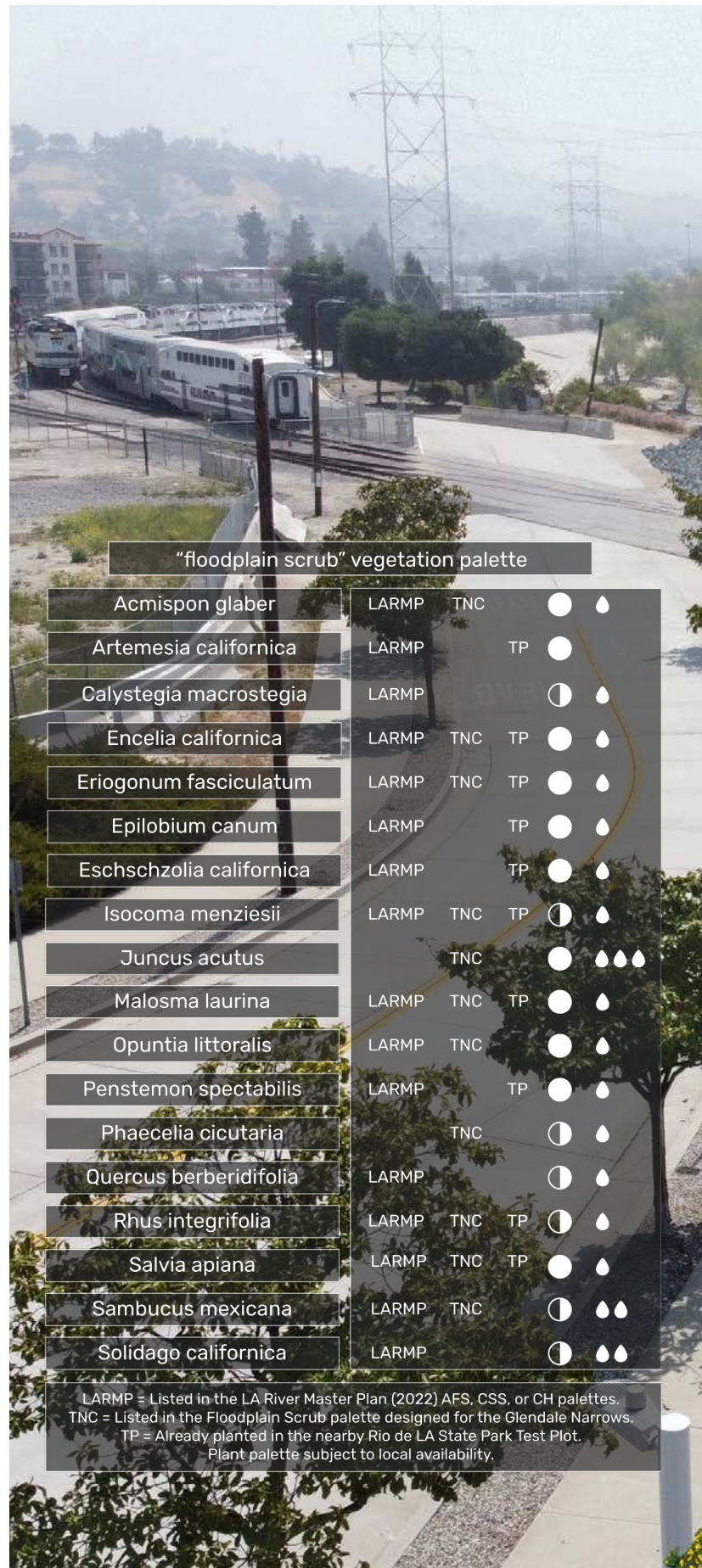
Spring 2023 Thesis studio
Instructor: Alexander Robinson

The Los Angeles River Integrated Design Lab (LA-RIDL) is a hydraulic modeling lab located in the Los Angeles neighborhood of Frogtown, near Elysian Valley. LA-RIDL is currently undertaking innovative hydraulic modeling experiments to get a better understanding of how different revegetation schemes and landscape designs for the Taylor Yard G2 Parcel.

The lab itself is very inconspicuous: it's hidden behind a brick facade with crumbling signage. How can we integrate this design research into the community, work towards co-creation, and most importantly, build trust in a community that has been historically over-engaged and under-represented?

The People's Lab for Creative Ecology (PLaCE) is the imaginative and expansive community programming arm of the LA River Observatory. Its pilot program, an extracurricular community science after school program that will be provided for local high school students, has three goals:

- (1) to build a lifelong sense of stewardship and ownership of place in the school-age population of the Cypress Park and Frogtown communities,
- (2) to serve as a program for communicating public sentiment to decision-makers both through student work, and through facilitator reports, and
- (3) to begin to repair historically troubled relationships between these neighborhood communities and decision-makers by creating a valuable neighborhood resource provided at no cost to them, and demonstrating that decision-makers are actively listening to them.





LA-RIDL

Taylor Yard Pedestrian Bridge

Los Angeles River

3

5

THE NATURE CONSERVANCY'S "CONSERVATION BY DESIGN" STRATEGIC FRAMEWORK

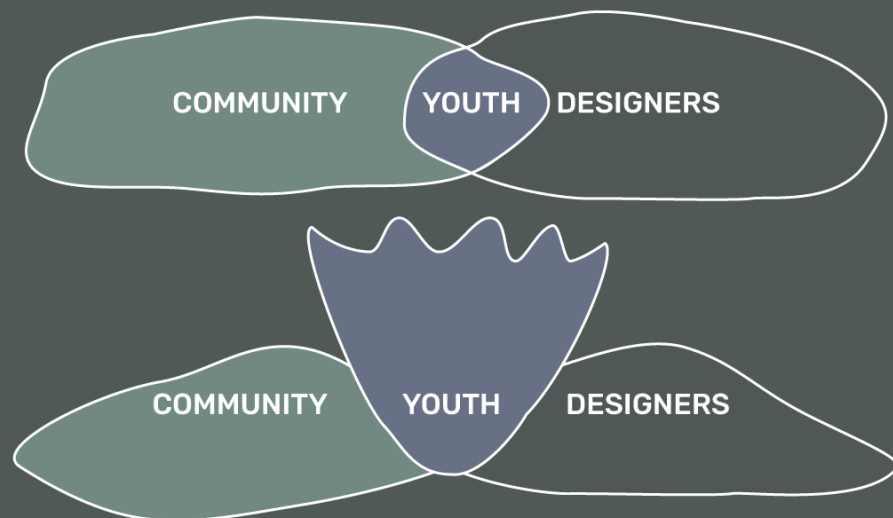
The Nature Conservancy utilizes a framework called "Conservation by Design" to build conservation strategies that are targeted, interdisciplinary, and can be iterated upon. The framework is useful for making concrete strides towards an abstract goal, such as conservation or building stewardship and trust. The framework follows four steps: **Set Goals and Priorities, Develop Strategies, Take Action, and Measure Results.**

SET GOALS AND PRIORITIES

GOAL: To bridge the gap between community members and designers.



PRIORITY: To nurture and educate local youth as future stewards of the river and of their communities; to empower and support them to research and answer their own questions and create something more.



DEVELOP STRATEGIES

- RESOURCES
- OWNERSHIP
- AWARENESS
- EDUCATION

TEACHING
An educational curriculum.

CONNECTIONS
Meaningful networking.

IMPACTS
Physical impacts.

CHECK-INS
1-on-1 time.

YPAR
Youth Participatory Action Research.

TAKE ACTION

FALL 2023: (pictured)

The first year of the program was on the science track that everyone takes in high school or sciences track. The program is a sense of stewardship, and as researchers, we will be learning more by listening and

YEARS 4-5 (previous)

The program is more focused on what students work collaboratively on what is currently an engineering project. The Pedestrian Bridge. The program is a Partnership to open. The program is their surroundings, get

- placing stream gauges
- measuring turbidity
- identifying plants
- taking photos
- looking, listening



MEASURE RESULTS

Did we build relationships between students, professionals, authorities, and communities? Did the students get to do interesting activities that they wouldn't have otherwise?

Did we give students a chance to make decisions about what they are learning? Did the students work on projects with physical impacts around the river?

Do students have a better sense of the ecological systems that they encounter on a daily basis, and how they are involved in those systems?

Did the students learn about the river and creative ecology? Did we gain a better understanding of their hopes, ideas, concerns, and questions?

below)
program will offer three hands-on tracks: an ecology
es, and then a choice of an arts/humanities track
program will focus on career discovery, creating a
and building YPAR capacity. As practitioners and
begin to learn what knowledge we even need to
observing.

established. PLaCE students and USC MLA+U
atively to design an outdoor classroom sited at
empty lot at the east terminus of the Taylor Yard
site is one of the first projects of the 100-Acre
PLaCE students see their hard work reflected in
ting to experience ownership and responsibility.

ages

ity

s

, and brainstorming



OUTDOOR CLASSROOM



M PLAN AND PROGRAM



classroom
small groups, projecting
or presentations

gabion gallery garden
quiet contemplation, student exhibitions



storage locker



50'

NEATH



Left to right: The stormwater amphitheater and classroom park entrance; the outdoor classroom with students using the bike ramp wall to project a computer screen; the gabion gallery garden with student work on display.



POPULUS PARK

Spring 2023 Urban Planning Capstone

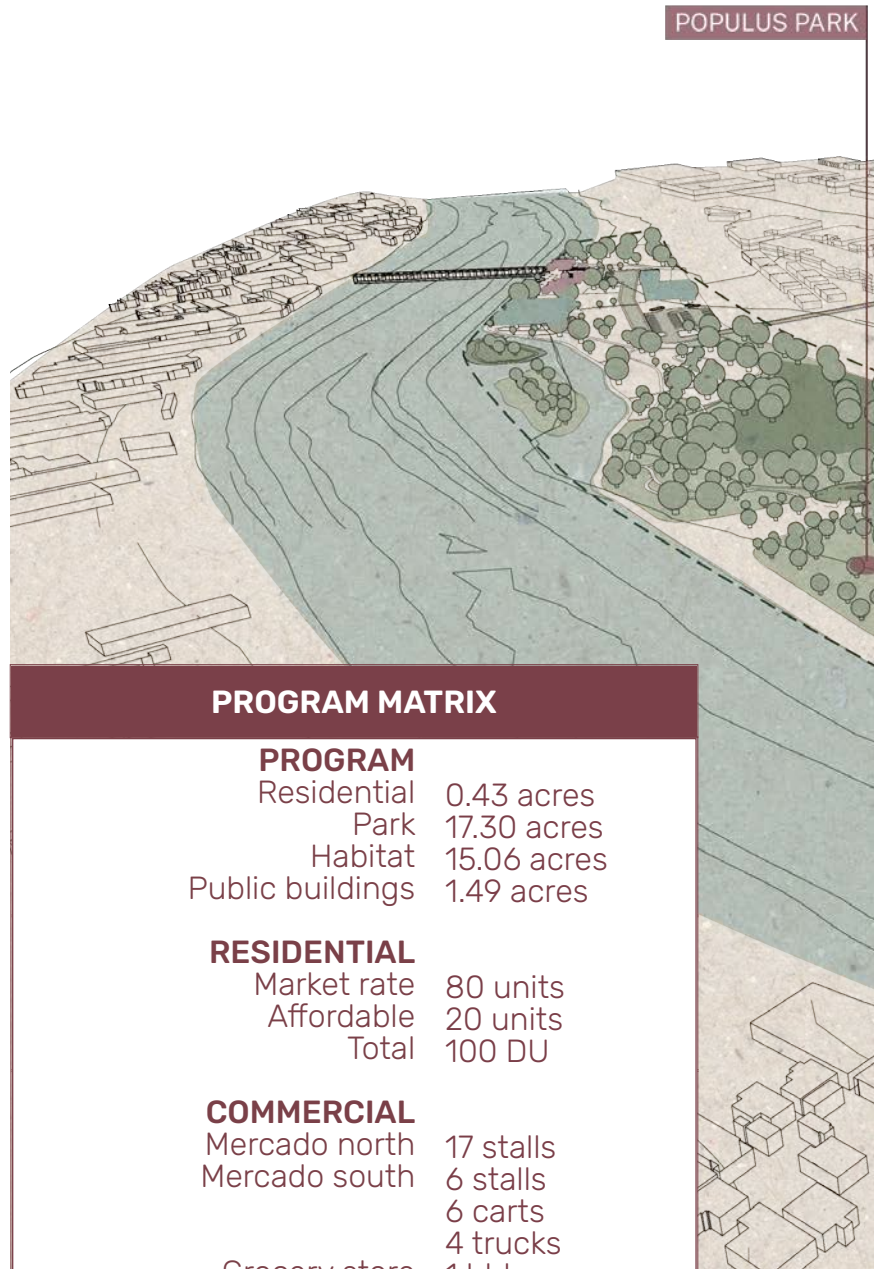
Instructor: Ryan Kucinski

In partnership with Taylor Brock, Emy Farrow-German, Tyris Le, and Ayush Patel, MUP '23

The prompt of the Master of Urban Planning Capstone Project was to design a mixed-use plan for the G2 Parcel along the LA River in the Cypress Park neighborhood of Los Angeles.

Our vision for this site is a holistic and innovative approach to community development and planning outcomes. As such, this project expands beyond the boundaries of the G2 Parcel. Populus Park embodies restoration, mutualism, and equity at the site-, community-, and systems- levels. We employ measures for neighborhood stabilization and community-based asset building off-site through the development of a land bank, while designing a nature space that works both for humans and habitat on-site, as requested by the community and prioritized by the City.

As the designer on the team, my responsibilities focused primarily on the site: creating and specifying a site design, remediation techniques, and circulation that realized the more conceptual aims of my project team. The site program takes inspiration from the site's current contaminated state to inform both the community engagement process and the design itself: most heavily contaminated areas have their soil capped by geotextile, permeable pavers, or earth caps, and are planned for more intensive use. Less contaminated areas are bioremediated and planned for habitat.



PROGRAM MATRIX

PROGRAM

Residential	0.43 acres
Park	17.30 acres
Habitat	15.06 acres
Public buildings	1.49 acres

RESIDENTIAL

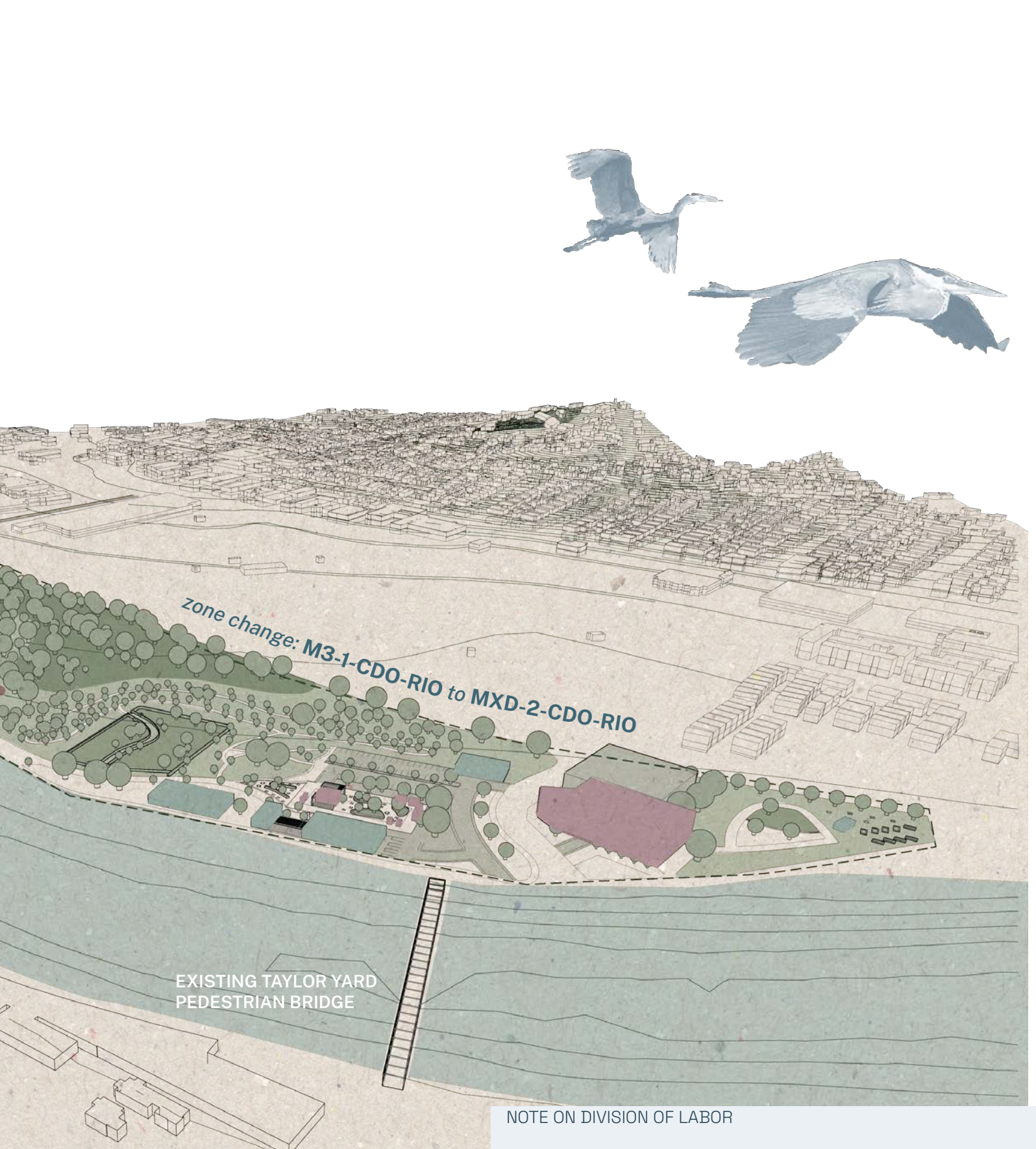
Market rate	80 units
Affordable	20 units
Total	100 DU

COMMERCIAL

Mercado north	17 stalls
Mercado south	6 stalls
	6 carts
	4 trucks
Grocery store	1 bldg

PARKING

Residential spaces	212 spaces
Lot spaces	108 spaces
Vendor spaces	24 spaces

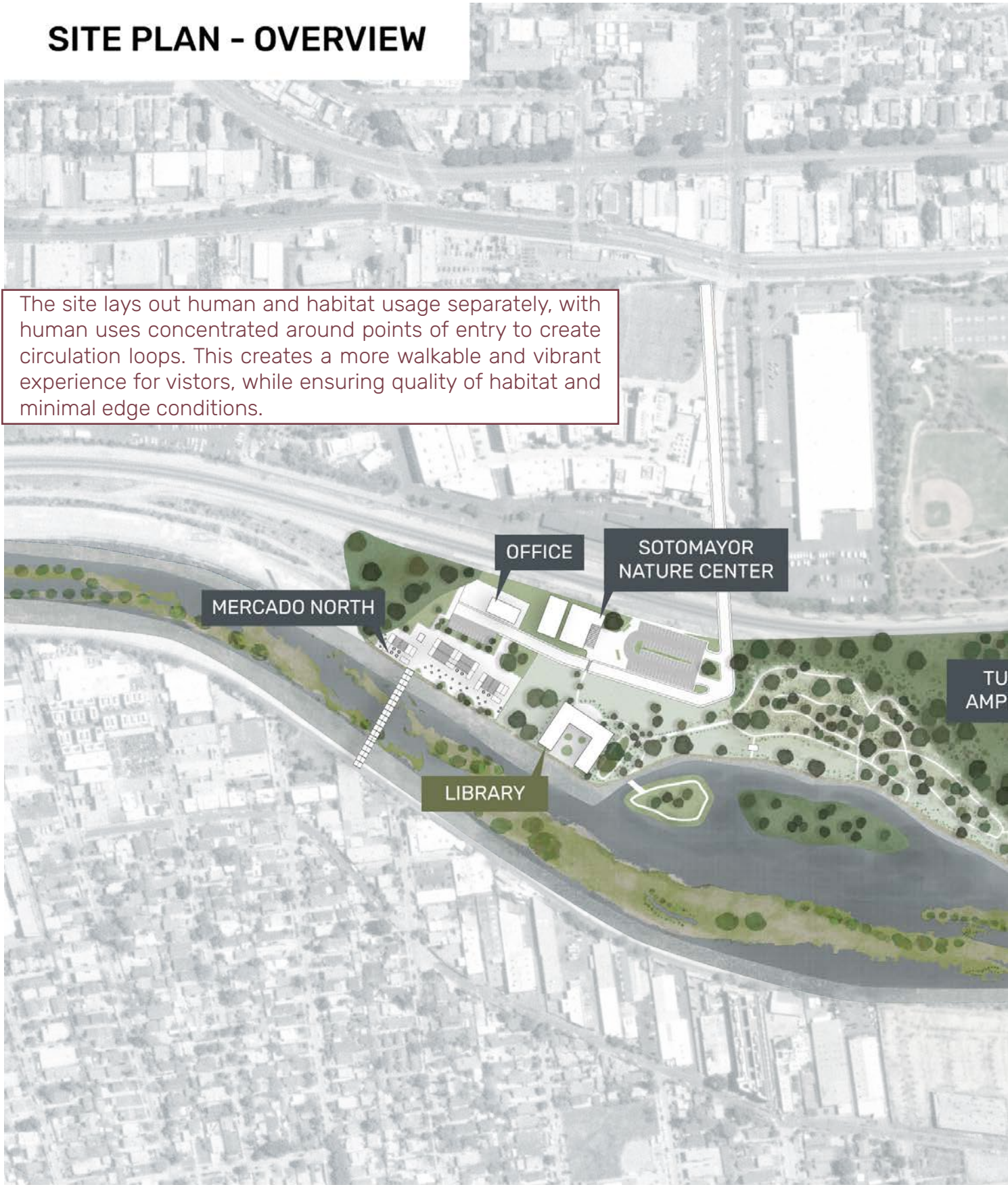


NOTE ON DIVISION OF LABOR

I developed all graphics for this project shown in this portfolio. In terms of project development, I designed the site and its circulation, determined land use and calculated acreage, conducted risk and connectivity analyses, and worked with the Housing and Economic Development concentration students on the team to translate their ideas into spatialized reality.

SITE PLAN - OVERVIEW

The site lays out human and habitat usage separately, with human uses concentrated around points of entry to create circulation loops. This creates a more walkable and vibrant experience for visitors, while ensuring quality of habitat and minimal edge conditions.



LAND USE



HUMAN
HABITAT

PROGRAM



The name "Populus Park" is a dual reference: first to the Latin *populus*, referring to the citizen body, alluding to the participatory process that the design will take, and second to *Populus fremontii*, the riparian Fremont cottonwood, which was once found in abundance in the area.



The Cypress Park Branch Library and Cypress Park Community Center, both publicly-owned buildings in the neighborhood, are relocated on-site, so that their current lots can be used as inaugural properties of the land bank.

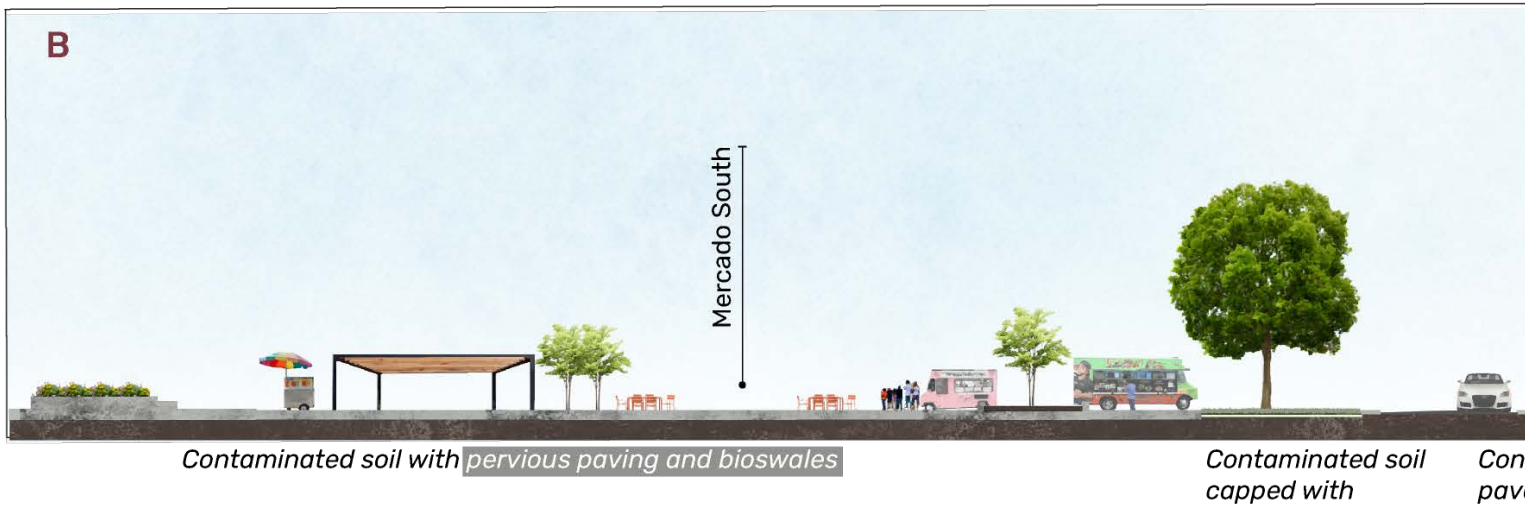


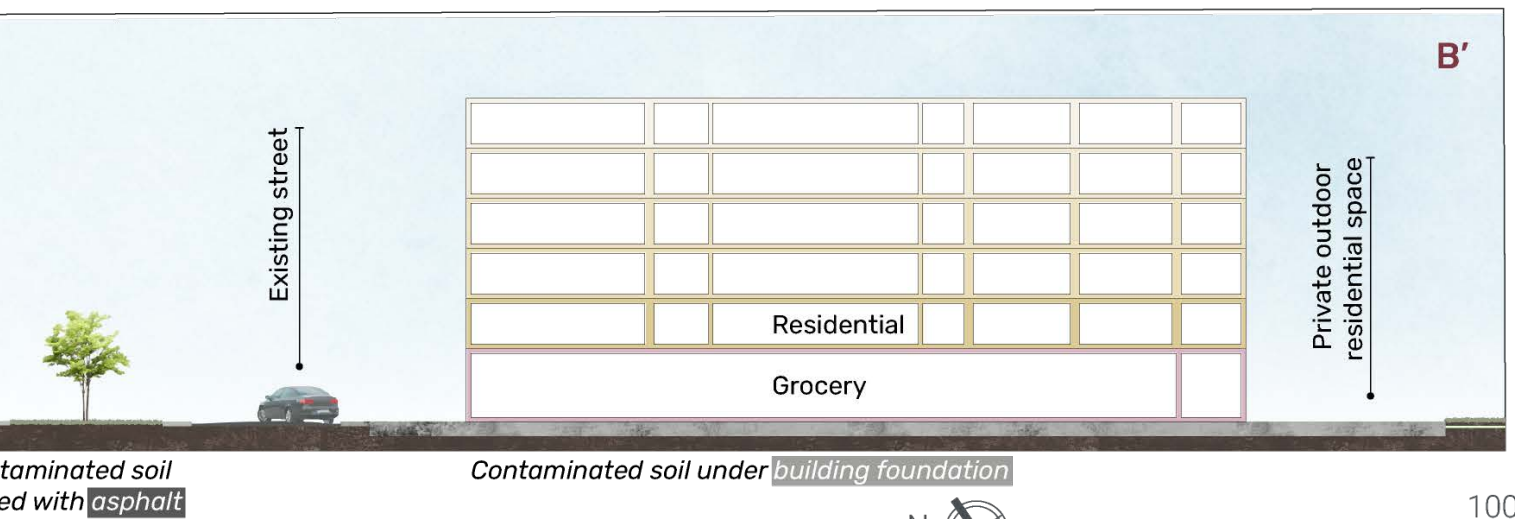
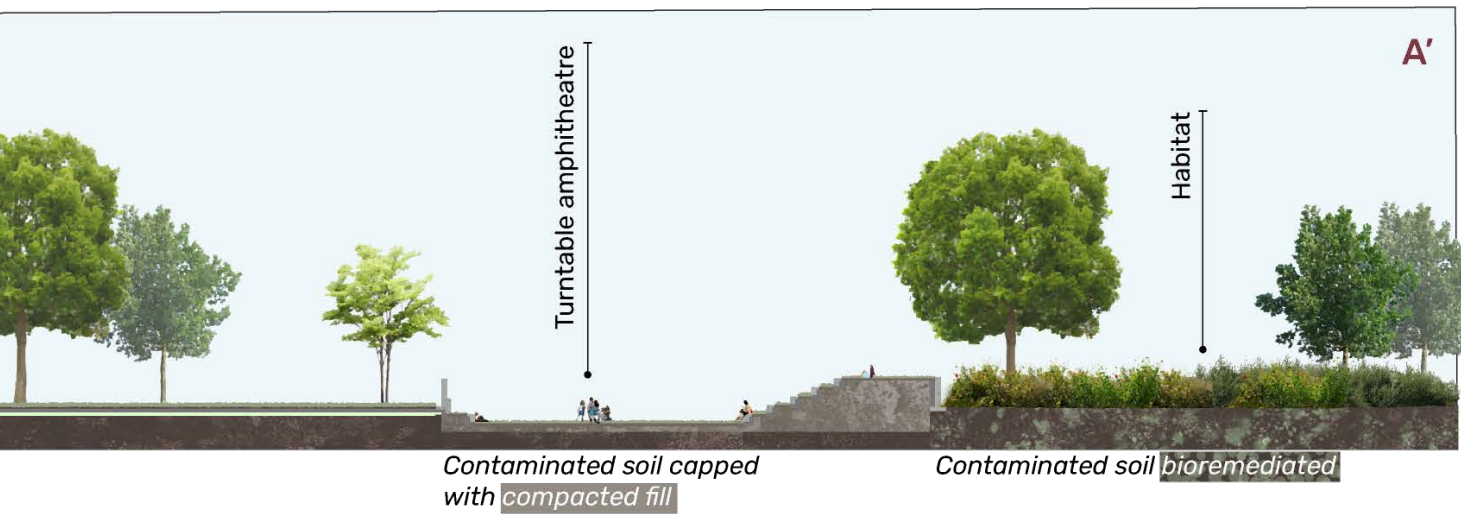
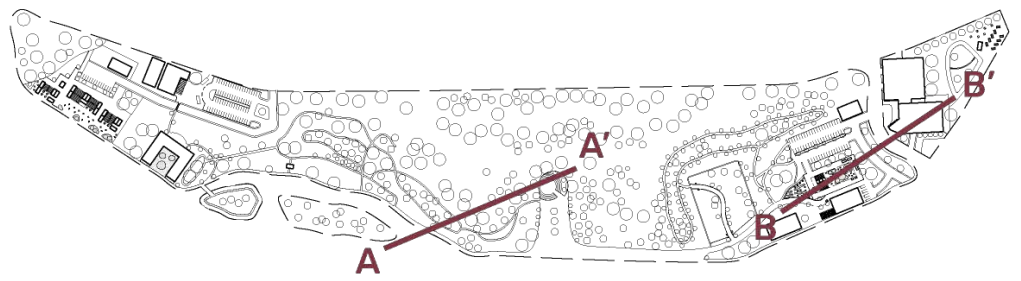
SITE SECTIONS

SECTION A - PASEO DEL RIO AND TURNTABLE AMPHITHEATRE



SECTION B - MERCADO SOUTH AND MIXED-USE RESIDENTIAL





100'

FROM JEFFERSON DRILL SITE TO TIERRA PARK: REMEDICATION AND RE-VISIONING

Fall 2022 Landscape as a Tool for Healing and Restitution studio
Instructor: Farre “Faye” Nixon
In partnership with Lucia Bayley, MLA ‘23

This studio tasked the class with working with a real-world former oil drilling site and a local environmental justice organization, to develop a community engagement-informed theory of change, bioremediation plan, and future land use plan for the site. The community indicated that they wanted a park and affordable housing on the site.

Our bioremediation plan included in-situ techniques that would mitigate cost and disturbance to the soil’s ecosystem and utilized native plants where possible, informed by most current research on bioremediation.

A neighborhood-level analysis showed a network of highly-programmed public spaces. The goal of our community engagement was to learn what activities community members might like to do in “natural”, less programmed space.

Tierra Park provides a more “natural” experience that belongs uniquely to the neighborhood. It features a gradient of active/more programmed space, featuring a community center, plaza, and playground, to the south, to calm/less programmed space in the form of a hill and walking loop to the north. It uses a range of bioremediative techniques to ensure the safety of the site, and employs screening techniques to keep out persistent environmental pollutants.



NOTE ON DIVISION OF LABOR

I developed all graphics for this project shown in this portfolio, except for the community outreach process graphic at the top of the page 19. For the community outreach process, Lucia and I co-developed the questions and the actual materials used during outreach. Lucia created the board explaining the outreach process.



SAMPLE BIOREMEDIATION PLANT PALETTE

- | | | |
|---|--|--|
| <p>1 A. unedo
<i>Strawberry tree</i> SCREENING</p> | <p>3 E. fasciculatum
<i>Buckwheat</i> BIODEGREDATION</p> | <p>5 Trifolium spp.
<i>Clover</i> BIODEGREDATION</p> |
| <p>2 C. zizanioides
<i>Vetiver</i> BIODEGREDATION</p> | <p>4 S. velutina
<i>Goldenrod</i> BIODEGREDATION</p> | <p>6 Festuca spp.
<i>Fescue</i> PHYTOSTABILIZATION</p> |

From Jefferson Drill Site

To Tierra Park

MONITORING WELLS

PAVER ACCESS



HILLSIDE WELL ACCESS



HOUSING (PER BUILDING)

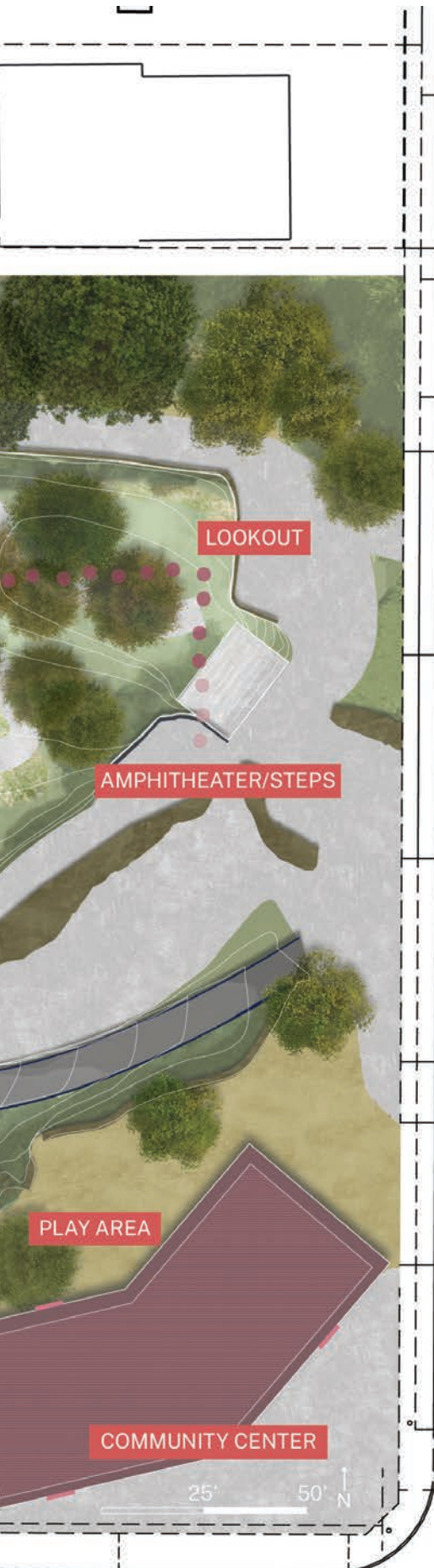
4	NUMBER OF FLOORS
5,400	SQ FT PER FLOOR
14	UNITS CREATED
8	GROUND LEVEL PKG
8	UNDERGROUND PKG

COMMUNITY CENTER PROGRAM

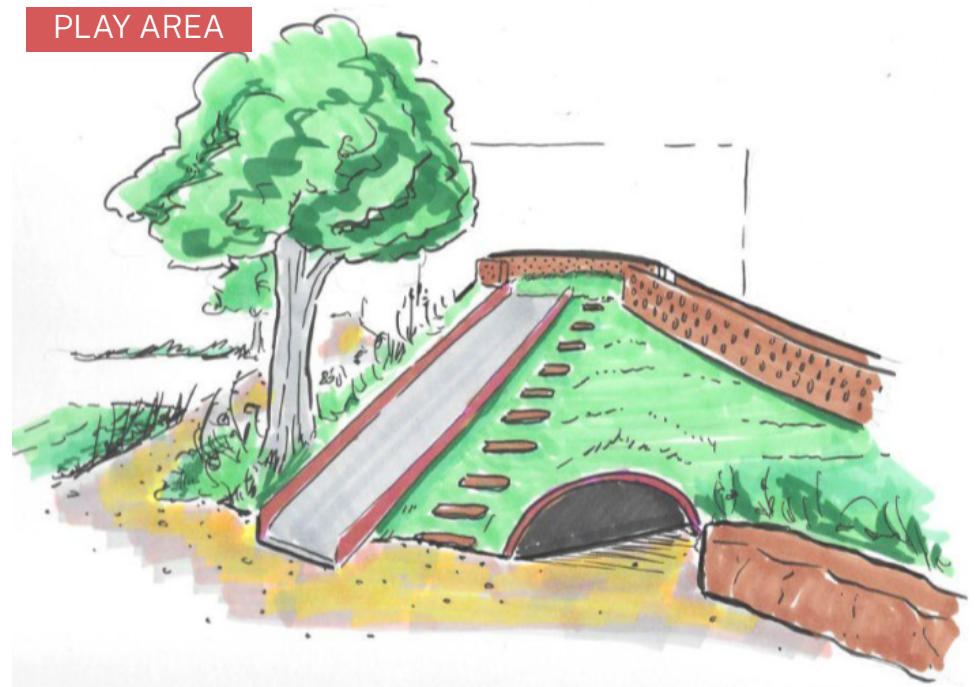
- PLANT PROPAGATION
- GARDENING CLASS
- DANCE CLASS
- COMMUNITY MEETINGS
- STORYTELLING NIGHTS
- BIRTHDAY PARTIES
- SKILLS TRAINING

The site was designed to have a gradient of active/programmed activities to the south-including a topographically-dynamic play area (above), a community center, and stairs that double as an informal ampetheatre - to calm/less-programmed space, including a walking loop shaded by a feature retaining wall (below), dense native plantings, and a large hill with space for recreation.



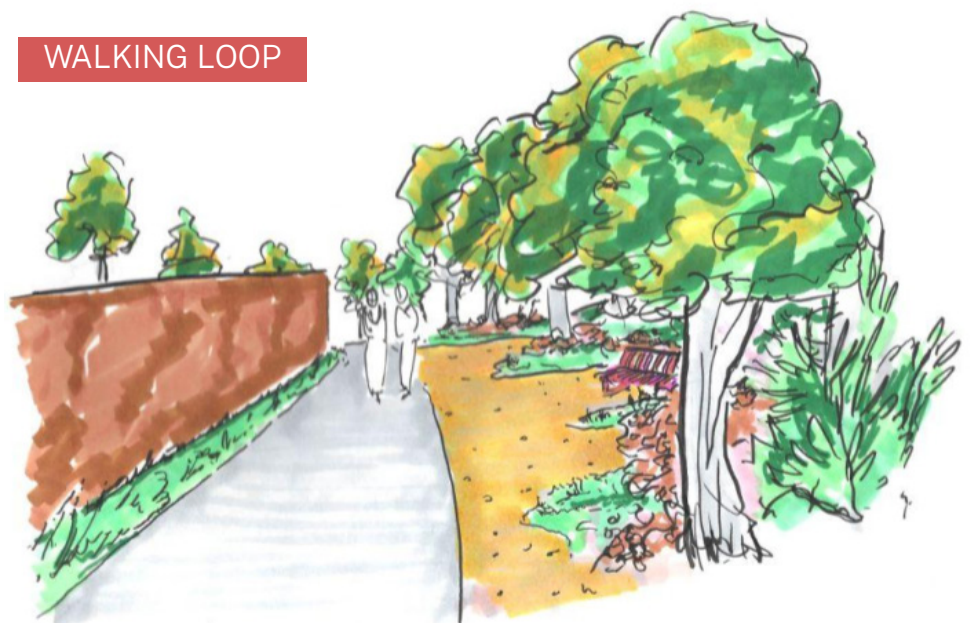


PLAY AREA

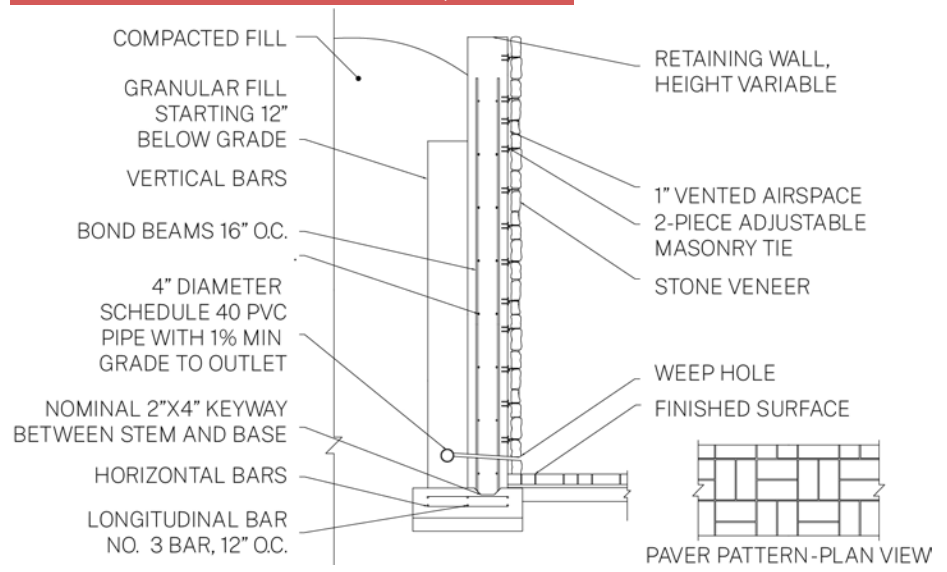


WALKING LOOP

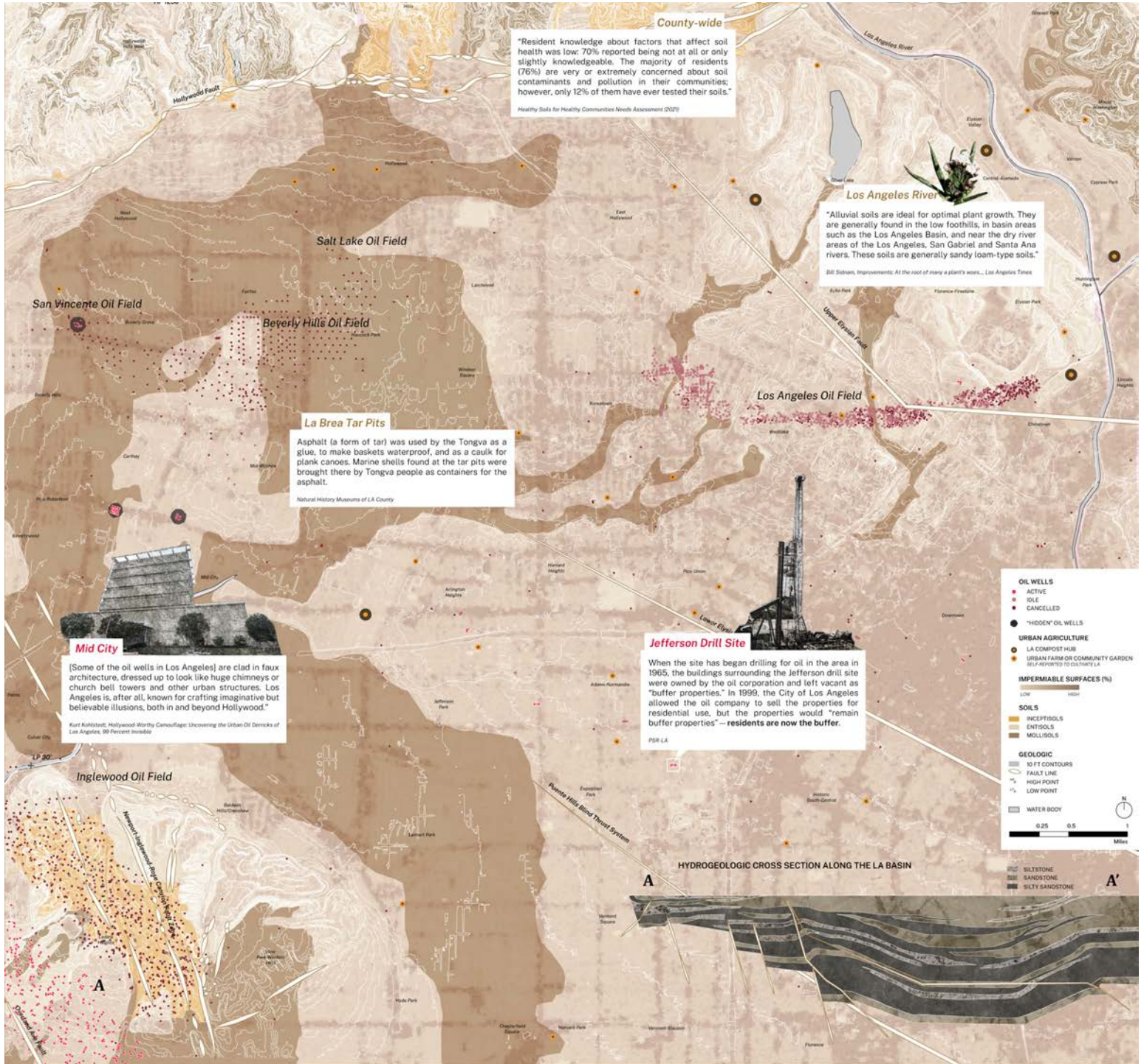
BUDLONG AVE



WALKING LOOP BACK WALL, DETAIL



Gaining context at regional- and community-level



Above: As our site was a former drill site, we found it important to understand the regional context of oil and soil in the Los Angeles area.

Right: We engaged local community members to learn how they like to spend time outside and how they travel there. We used these responses to inform the programming - both formal and informal - of the site.

Activity Materials

Boards

1. Which answer(s) below describes you? / ¿Cuál de las siguientes opciones te describe a usted?
STICK IT! PEGARLO!

I live near by... / Vivo cerca de aquí. I work near by... / Trabajo cerca de aquí. I go to school near by... / Voy a la escuela cerca de aquí.

I have family or friends who live near by... / Tengo amigos o familia que viven cerca de mí. Other... / Otra opción.

2. When you go to spend time outdoors/in nature, how long do you have to travel to get there? / ¿Cuándo usted va a pasar tiempo al aire libre / en la naturaleza, cuánto tiempo le toma llegar ahí?
STICK IT! PEGARLO!

0-15 min 15-30 min >30 min

3. When you go to spend time outdoors/in nature, what do you like to do there? / ¿Cuándo usted va a pasar tiempo al aire libre / en la naturaleza, que le gusta hacer ahí?
STICK IT! PEGARLO!

Walk around / Pasear Read / Leer

Go for a run / Correr

Go camping / Acampar Birdwatch or Look for animals / Mirar animales

Take photos / Sacar fotos Relax / Relajarme

Go fishing / Pescar Hike / Caminar

Other / Otra opción

4. If you were to have a block party with your community, what is one thing you would want to bring? Or one activity you would want to have? / ¿Si usted tiene a celebrar un partido en su comunidad, qué sería una cosa que le gustaría hacer o traer?
STICK IT! PEGARLO!



STICK IT!



Reciprocity

Thank you for helping us learn more about your community!
 ¡Gracias por ayudarnos a aprender más sobre su comunidad!

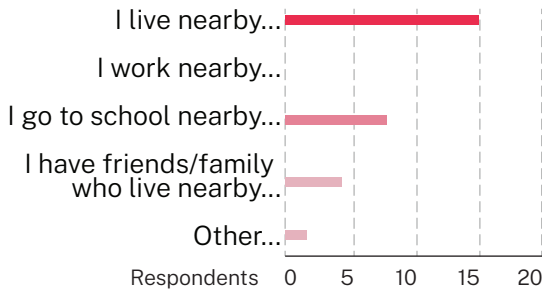
Want to see what other people said?
 Check this URL after November 2nd to read the results!
 ¿Quieres saber más?
 Visita este link después del 2 de Noviembre para ver los resultados!

<https://bit.ly/parakeet-park>

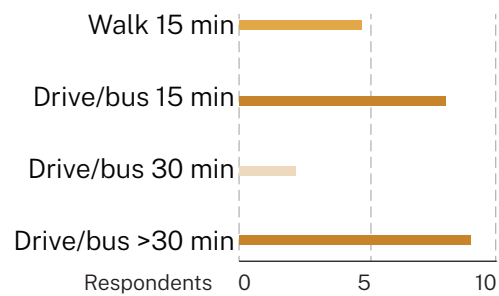
Incentives!



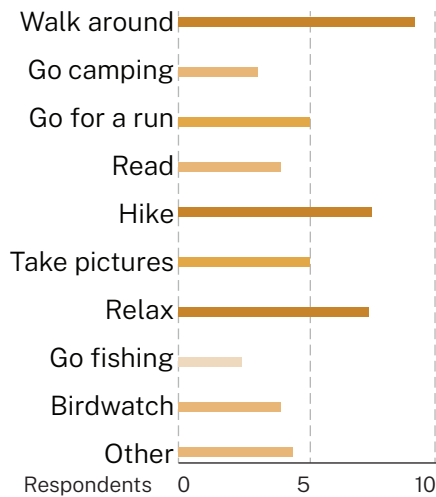
1. Which of the following describes you?



2. When you go to spend time outdoors/in nature, how long do you have to travel to get there?



3. What do you like to do outdoors/in nature?



4. If you had a block party with your community, what is one thing you'd want to bring? Or one activity you'd want to do?



FROM THE GROUND UP

*Spring 2022 Futurist design studio
Instructor: Aroussiak Gabrielian
in partnership with Leslie Dinkin, MLA/MHC '23*

With rising global temperatures and rising atmospheric carbon levels, we need to act on climate. It is no longer sufficient to drastically reduce our carbon emissions; we must also actively remove carbon from the atmosphere.

From The Ground Up uses futurist ideation techniques to answer the question: how can we design to make an impact at atmospheric scale?

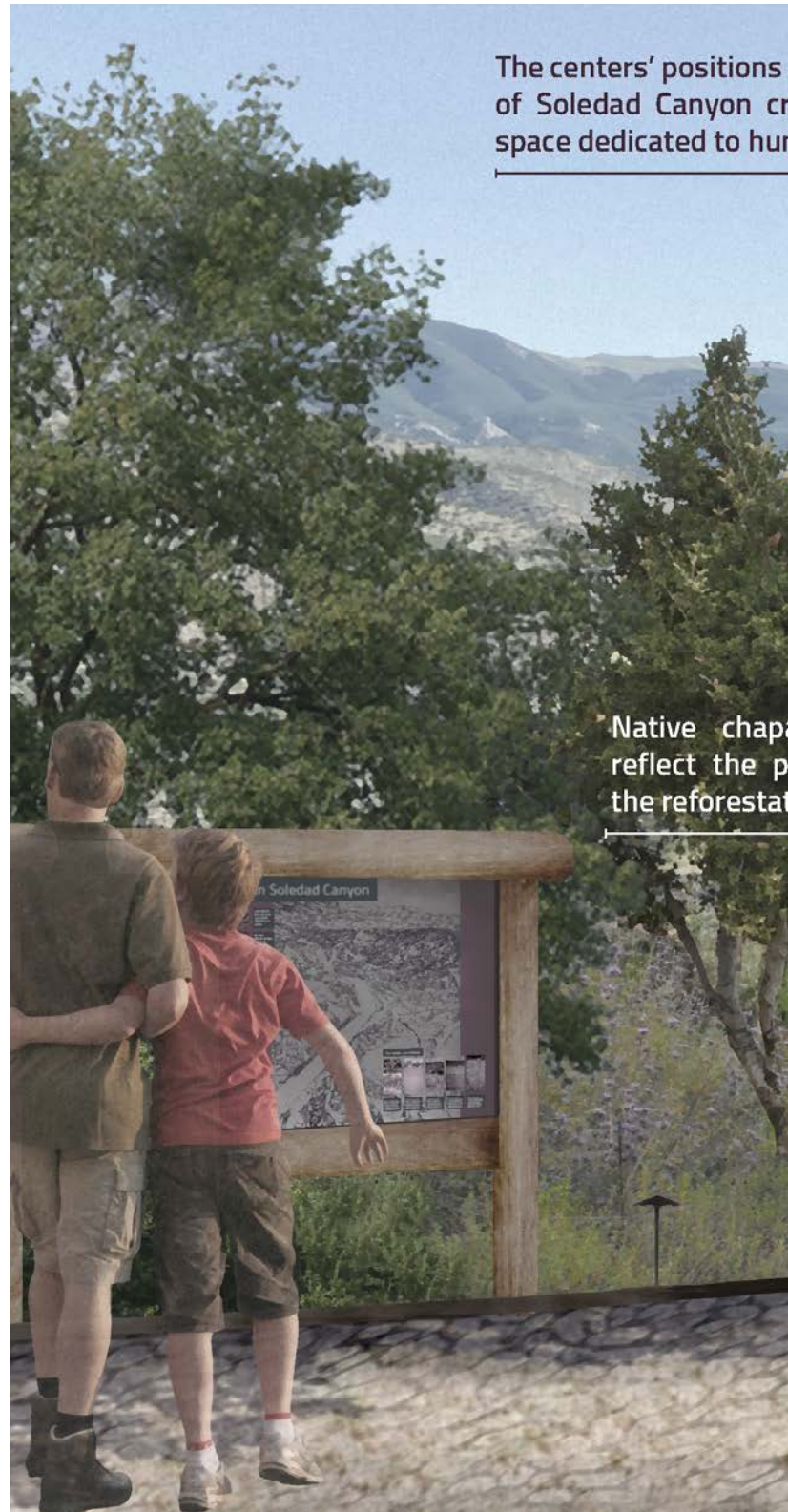
Los Angeles County's biggest forest, the Angeles National Forest, once was a continuous swath of old-growth chaparral. Unlike woodlands, chaparral primarily stores its carbon in the soil.

However, incrementalist development through the forest resulted in a 5 mile-wide corridor that bisects the forest. This corridor is called Soledad Canyon. Soledad Canyon looks like a blank space that stands out in analysis maps- jurisdictionally, it is unincorporated LA County. Productively, it's devoid of soil carbon.

From the Ground Up asks, what if we prioritized the forest as much as transportation? The plan proposes a framework to work across stakeholders to act meaningfully using parts of the carbon cycle: decarbonization, carbon stabilization, and shifting the cycle's equilibrium.

NOTE ON DIVISION OF LABOR

I was responsible for all mapping and contributed roughly half of the body text for graphics and most graphics were composed very iteratively and collaboratively. I created all perspectives in this portfolio except for the section-perspective shown on page 10 — for that, I developed the diagram below the section cut.



The centers' positions of Soledad Canyon create space dedicated to human use.

Native chaparral reflect the past the reforestation.

This perspective shows the proposed Santa Clarita Corridor National Forest, where the former SR-14 Highway once was and building materials.

on the edges
create a clear
man use

Wood and stone building
materials naturally store
already-sequestered carbon

arral plantings
plant palette of
tion effort.



Community Center. It is located at the southwest end of Soledad Canyon, a newly-vegetated portion of the Angeles
ce cut the forest into two parts. This entire project focuses on sequestering atmospheric carbon in soil, vegetation,

Atmospheric carbon is not a local phenomenon: this project began with a global-scale analysis of the sources and sequesterers of carbon dioxide.

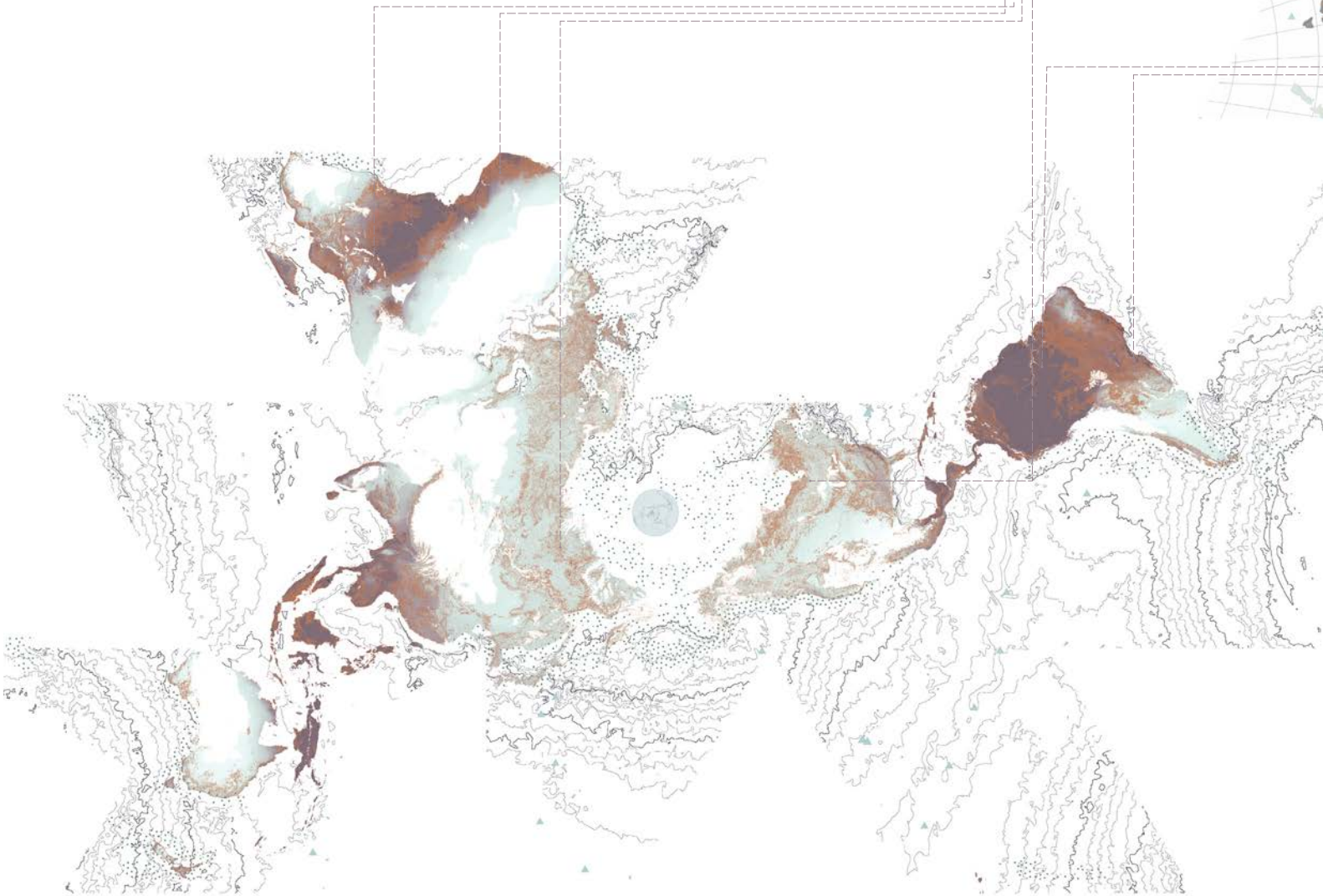
Despite decades of attempted climate action, carbon emissions have risen across the globe. As we studied how these emissions were regulated and where they had impacts, we found a mismatch of scales - climate action is taken jurisdictionally, but the impacts of climate change are felt regionally.

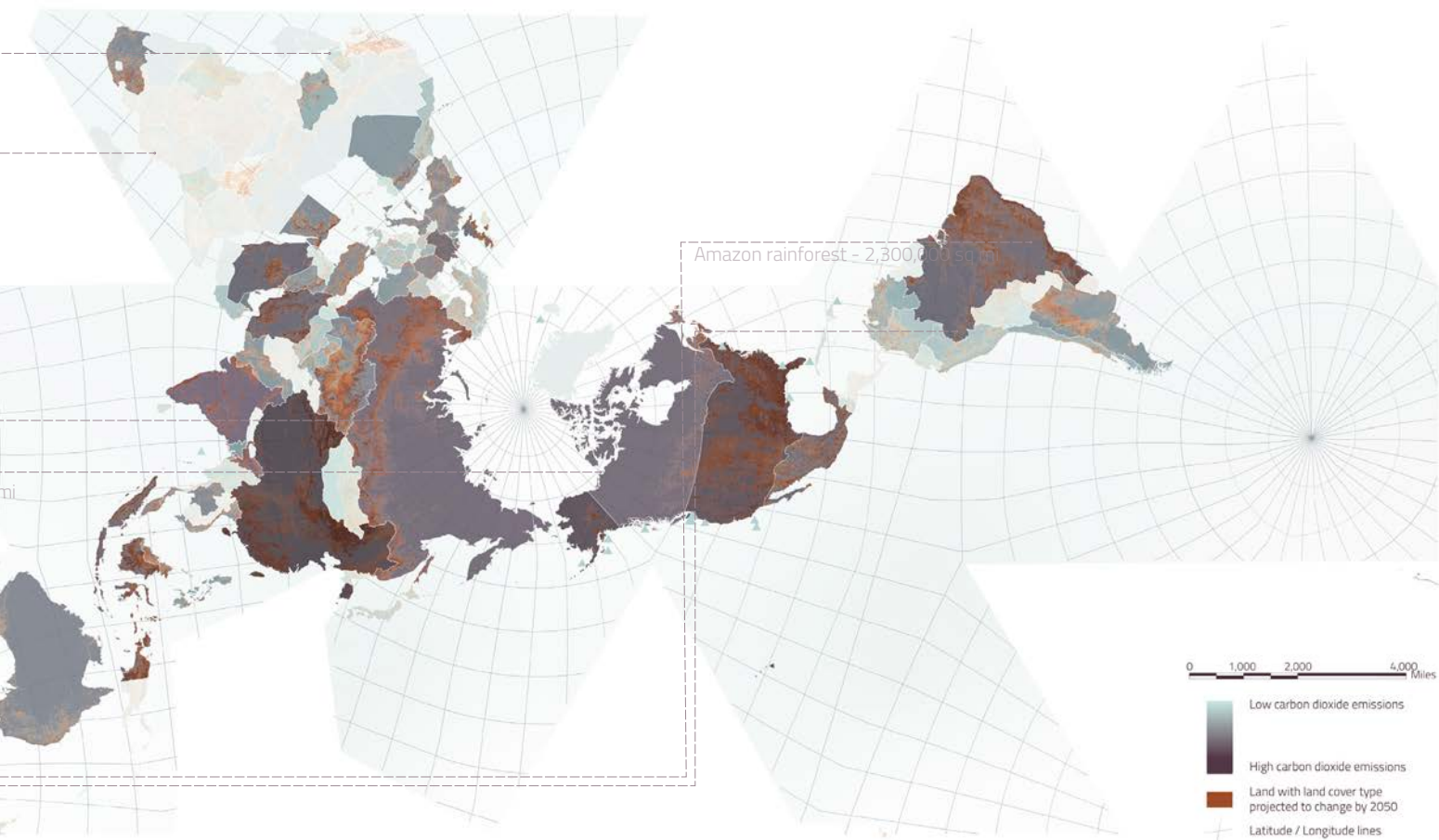
We used the Dymaxion projection for these maps both because of its accuracy of the scale of land mass, and because it challenges pre-conceived, inherently politicized notions of where each "country" is.

Congo rainforest - 1,400,000 sq mi

Eurasian taiga - 1,505,800 sq mi

North American taiga - 1,621,630 sq mi





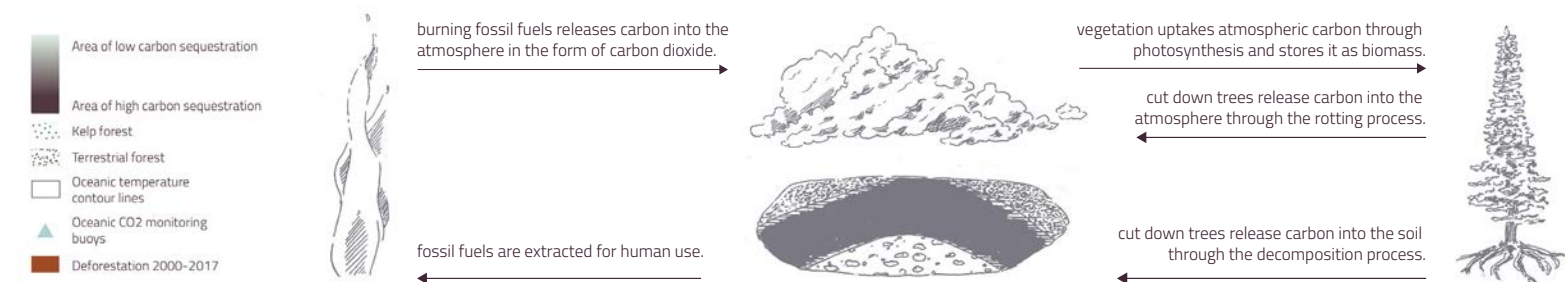
Above: Beholden to borders

The Paris Agreement, the world’s most recent and only legally-binding global climate agreement, dictates that our world’s most comprehensive and coordinated effort to combat climate change is executed on a country level. However, our biomes, our regions of heightened vulnerability, and our greatest natural resources for sequestering carbon reach across governmental boundaries.

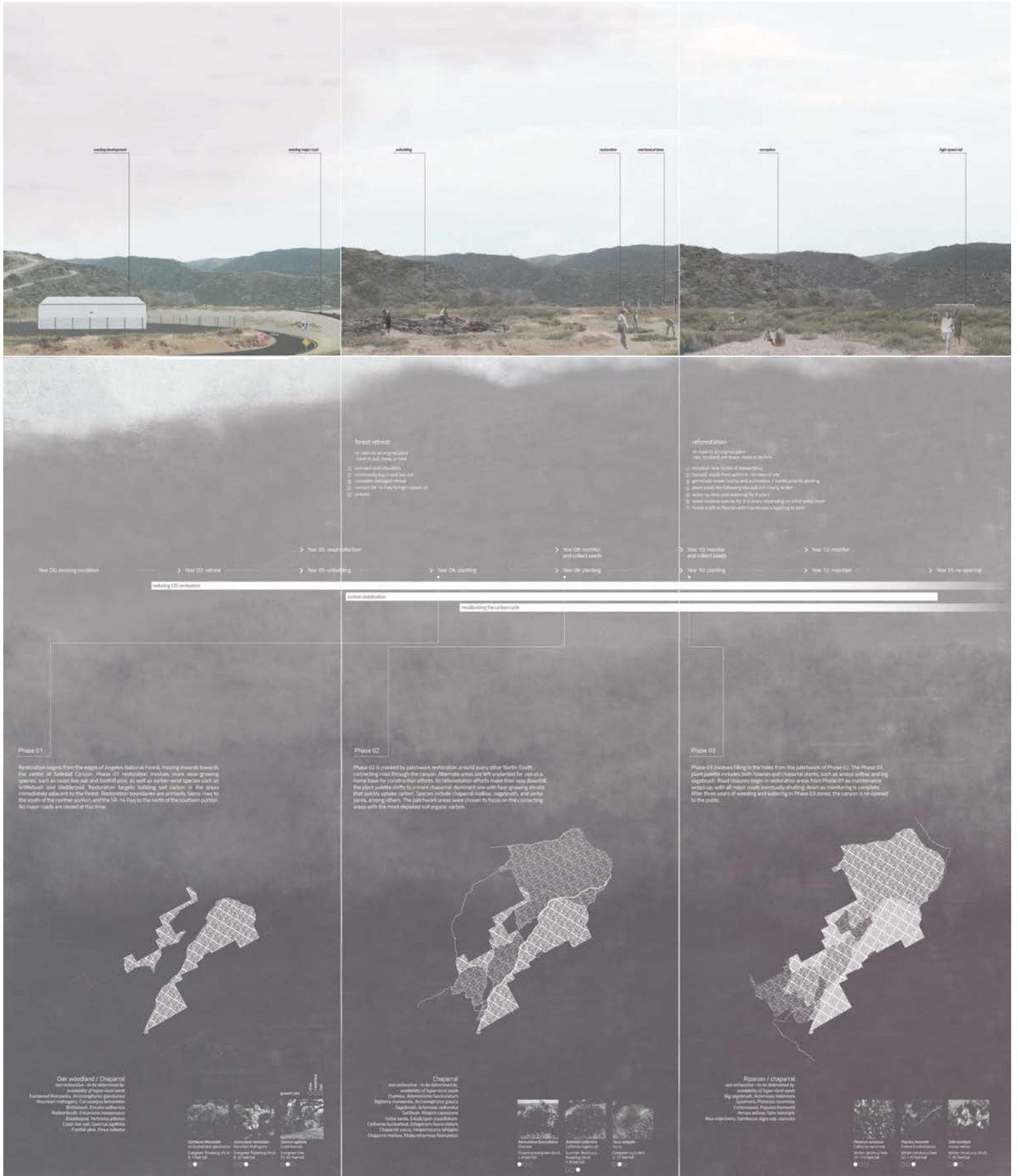
Below: Beyond borders

Our forests are not infallible carbon reservoirs. When forests are clear-cut or degraded, they stop sequestering carbon, and begin to emit it instead. Despite our forests’ important role in carbon sequestration, and in supporting the Earth’s biodiversity, terrestrial forests are continuously threatened and permanently destroyed. Industrial commodity-driven agriculture is the most frequent driver of deforestation.

The impacts of climate change know no boundaries - just like the carbon cycle itself:



A phasing plan to bring soil carbon back to the Angeles National Forest





Oak woodland / Chaparral
non-exhaustive - to be determined by availability of hyper-local seeds

- Eastwood Manzanita, *Arctostaphylos glandulosa*
- Mountain mahogany, *Cercocarpus betuloides*
- Brittlebush, *Encelia californica*
- Rubberbrush, *Ericameria nauseosus*
- Bladderpod, *Peritoma arborea*
- Coast live oak, *Quercus agrifolia*
- Foothill pine, *Pinus sabiana*

Phase 01

Restoration begins from the edges of Angeles National Forest, moving inwards towards the center of Soledad Canyon. Phase 01 restoration involves more slow-growing species and earlier-seral species. Restoration targets building soil carbon in the areas immediately adjacent to the forest. No major roads are closed at this time.



Eastwood Manzanita
Arctostaphylos glandulosa
 Evergreen flowering shrub
 3-7 feet tall
 ●○○

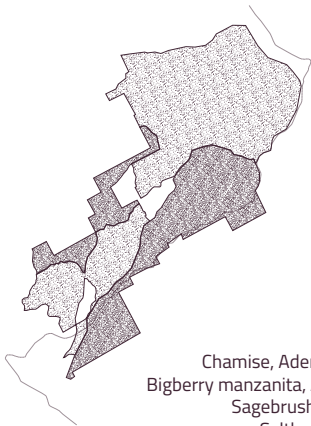


Cercocarpus betuloides
 Mountain Mahogany
 Evergreen flowering shrub
 8-20 feet tall
 ○●●



Quercus agrifolia
 Coast live oak
 Evergreen tree
 25-82 feet tall
 ○●○

growth rate
 ● slow
 ○ moderate
 ● fast



Chaparral

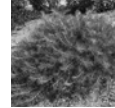
- Chamise, *Adenostoma fasciculatum*
- Bigberry manzanita, *Arctostaphylos glauca*
- Sagebrush, *Artemisia californica*
- Saltbush, *Atriplex canescens*
- Yerba santa, *Eriodictyon crassifolium*
- California buckwheat, *Eriogonum fasciculatum*
- Chaparral yucca, *Hesperoyucca whipplei*
- Chaparral mallow, *Malacothamnus fasciculatus*

Phase 02

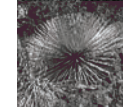
Phase 02 is marked by patchwork restoration around every other North-South connecting road through the canyon. Alternate areas are left unplanted for use as a home base for construction efforts. As reforestation efforts make their way downhill, the plant palette shifts to a more chaparral-dominant one with fast-growing shrubs that quickly uptake carbon.



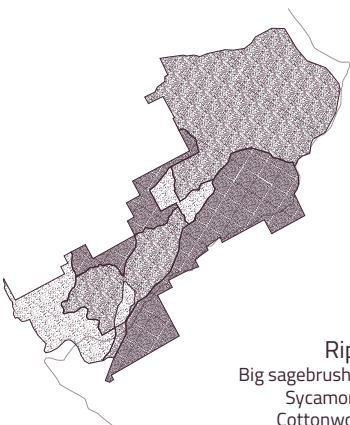
Adenostoma fasciculatum
 Chamise
 Flowering evergreen shrub
 1-8 feet tall
 ●○○



Artemisia californica
 California Sagebrush
 Summer-deciduous flowering shrub
 1-8 feet tall
 ○○○



Yucca whipplei
 Yucca
 Evergreen succulent
 2-12 feet tall
 ○●○



Riparian / chaparral

- Big sagebrush, *Artemisia tridentata*
- Sycamore, *Platanus racemosa*
- Cottonwood, *Populus fremontii*
- Arroyo willow, *Salix lasiolepis*
- Blue elderberry, *Sambucus nigra ssp. caerulea*

Phase 03

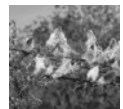
Phase 03 involves filling in the holes from the patchwork of Phase 02. The Phase 03 plant palette includes both riparian and chaparral plants. Road closures begin in restoration areas from Phase 01 as maintenance wraps up, with all major roads eventually shutting down as monitoring is complete. After three years of weeding and watering in Phase 03 zones, the canyon is re-opened to the public.



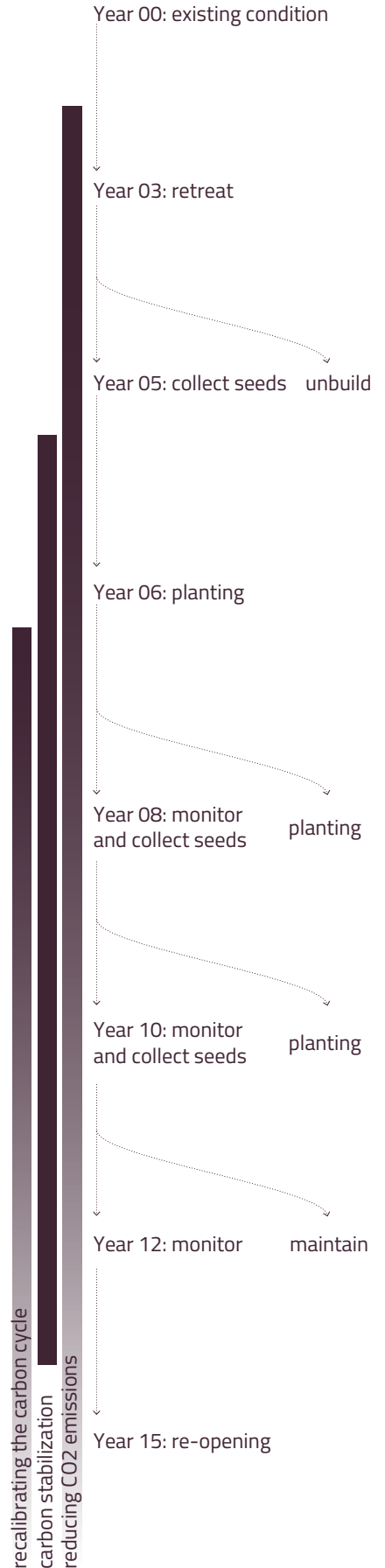
Platanus racemosa
 California sycamore
 Winter-deciduous tree
 20-115 feet tall
 ●○○



Populus fremontii
 Fremont cottonwood
 Winter-deciduous tree
 40-115 feet tall
 ○●●



Salix lasiolepis
 Arroyo willow
 Winter-deciduous shrub
 7-35 feet tall
 ○●○



WIGGLE ROOM

Fall 2021 Urban Design studio
Instructor: Jessica Henson

The aim of this semester-long studio project was to address an issue in the City of Long Beach at the urban scale.

Wiggle Room, focuses on the greater Westside-Wrigley area in West Long Beach. Wiggle Room prioritizes the pedestrian and sets up communities to grow stronger and safer, together, through a three-step framework:

- (1) Hubs and Habitats;
- (2) Break the Blocks;
- (3) Wiggle!

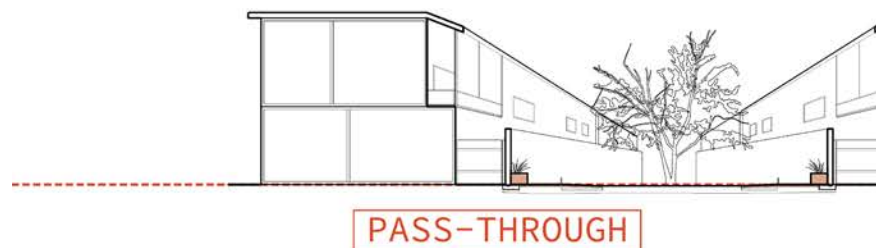
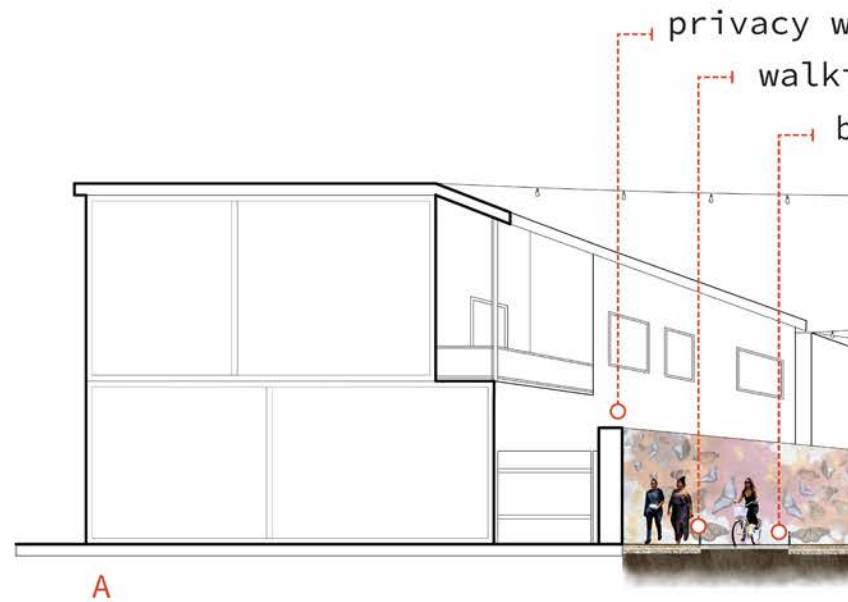
The current urbanism of the area creates many barriers to local trips and forces residents to travel by car, both across neighborhoods and within neighborhoods. First, the area is bisected by the 710 and the LA River, and there are only 3 crossings in the area, spaced out by over a mile.

Within neighborhoods, blocks are overly large, with residential blocks measuring up to 1250 feet long. Low-density zoning both commercially and residentially means destinations are sprawling.

Traveling by transit is unfeasible for many, as the average peak-hour wait time for buses ranges from 30 to 40 minutes. Traveling on foot is dangerous, as 20% of pedestrian deaths in Long Beach between 2015-2020 took place in the area.

BREAK THE BLOCKS

IDEA: break barriers to free movement for all; underground I-710 for a wildlife corridor; build network of mid-block paseos in overly large residential blocks.

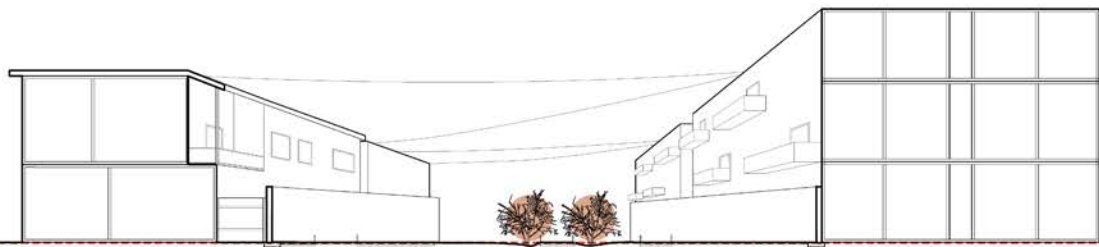
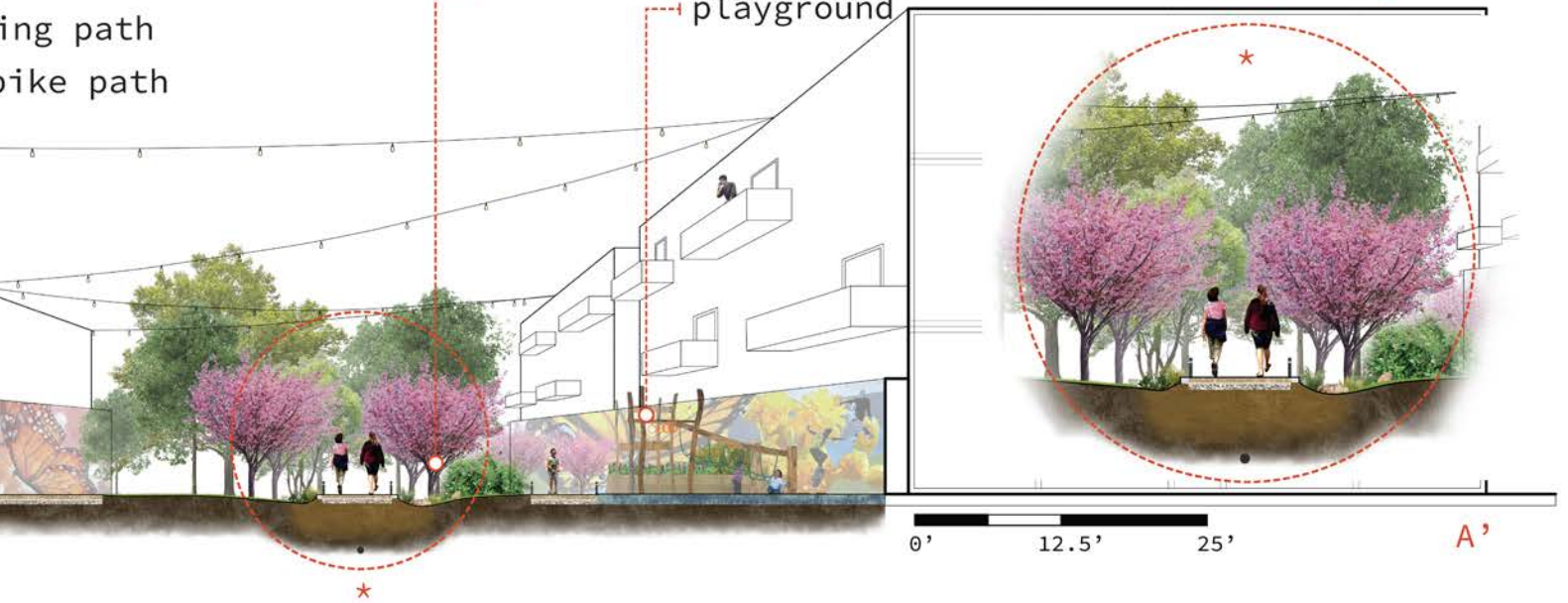


PASEO TYPOLOGIES

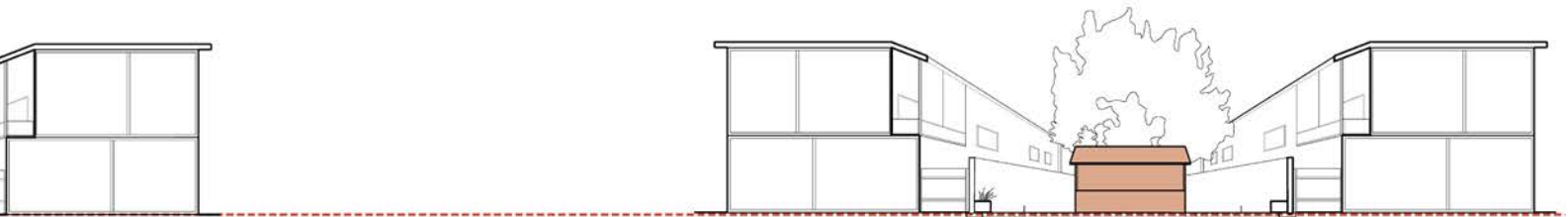
Wall with murals
Walking path
Bike path

bioswale

playground

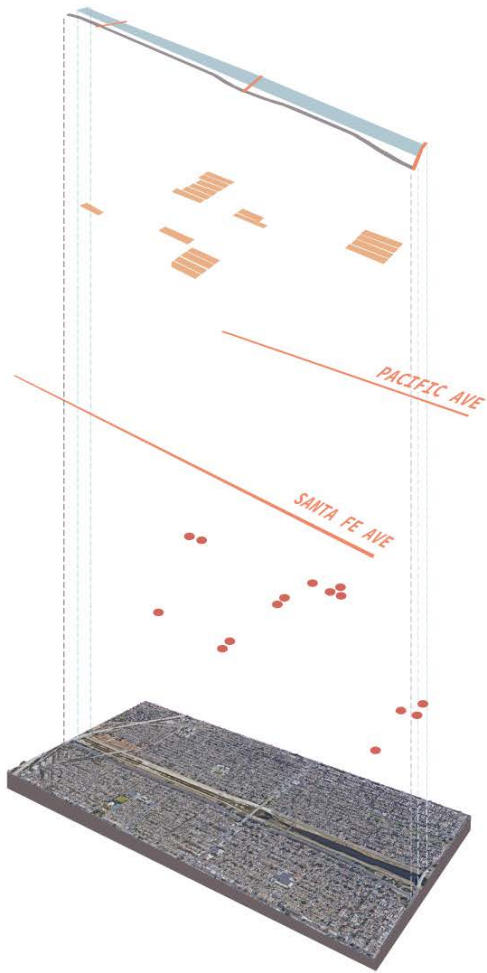


PARK (2 LOTS)



SMALL BUSINESS

The Wiggle Room Framework



The Westside - Wrigley area is separated down the middle by the LA River. River crossings are over one mile apart, and only one of three crossings has ADA-accessible sidewalks. (one doesn't have sidewalks at all.)

On the Westside, houses go right up to the 710 freeway, where ambient noise levels can cause hearing damage for lifelong residents and pollution levels cause disproportionately high rates of asthma.

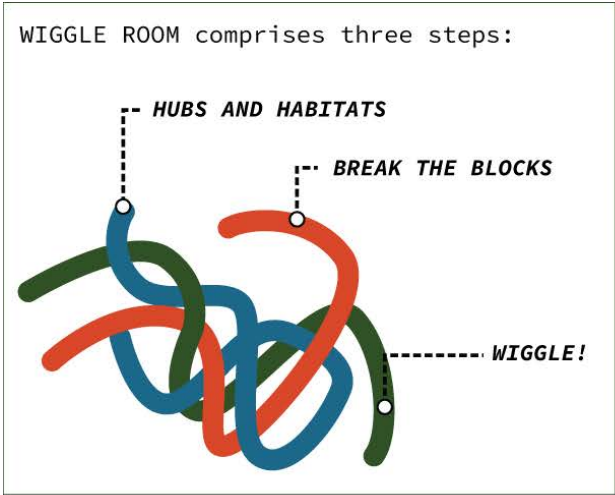
Residential block lengths can exceed 1,000 feet.

The North-South commercial streets, Pacific Ave and Santa Fe Ave, are both zoned as automobile-oriented corridors.

Other than a small pocket of Westside, almost all of the area is zoned as single-family residential.

Average transit wait times range 30-40 minutes.

20% of pedestrian deaths in Long Beach between 2015-2020 were in the Westside - Wrigley area.



HUBS AND HABITATS
IDEA: Create hubs and habitats throughout the area to serve people and animals.

BREAK THE BLOCKS
IDEA: break barriers to free movement for all; underground I-710 for a wildlife corridor; build network of mid-block paseos in overly large residential blocks.

WIGGLE!
IDEA: Connect the hubs through the paseos; encourage meandering and community engagement; connect new hubs to existing parks and schools.



HUBS AND HABITATS

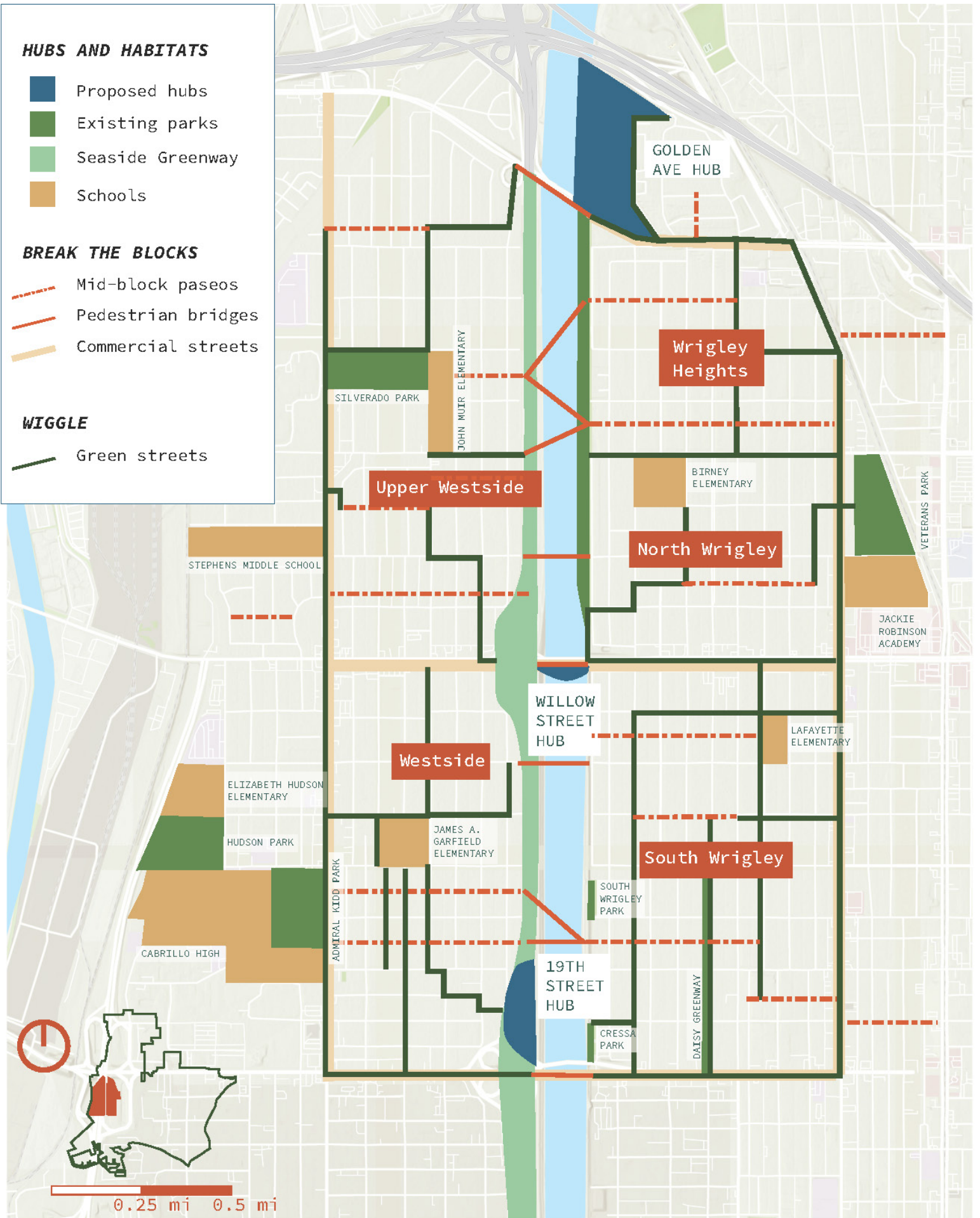
- Proposed hubs
- Existing parks
- Seaside Greenway
- Schools

BREAK THE BLOCKS

- Mid-block paseos
- Pedestrian bridges
- Commercial streets

WIGGLE

- Green streets





HUBS AND HABITATS

IDEA: Create hubs and habitats throughout the area to serve people and animals.

THREE HUBS, FROM NORTH TO SOUTH:



Golden Ave site
restoration hub

27-acre undeveloped lot
formerly used for oil
wastewater storage

nature walks //
bioremediation // planting
parties // wildlife habitat



Willow Street site
education hub

point of LA River
transition from concrete
to soft bottom

partnership with Aquarium
// River Learning Lab //
bird watching

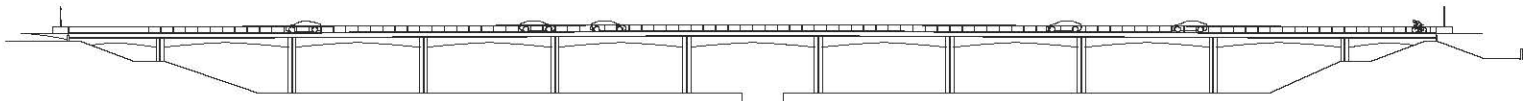


19th Street site
community hub

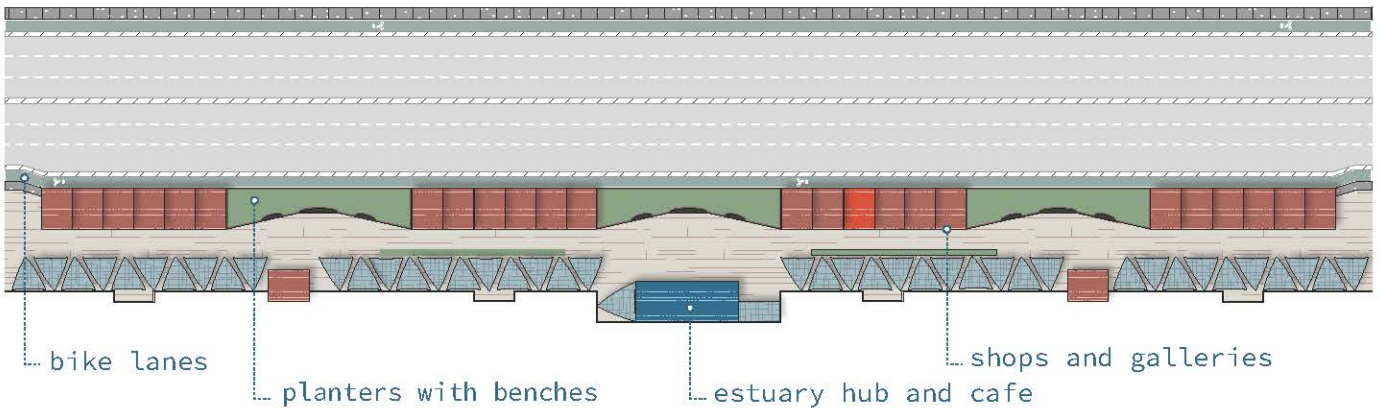
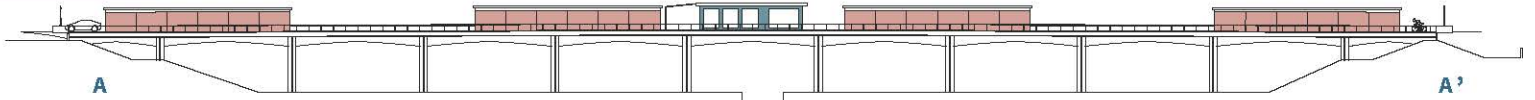
City-owned space with
derelict building

farmers market // green
incubator // repair
workshop // performance
space

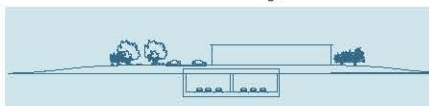
EXISTING



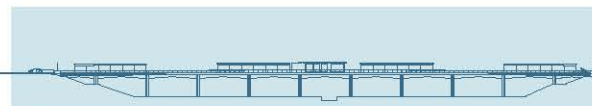
PROPOSED



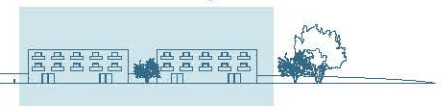
Seaside Greenway



Willow St. Hub



affordable / mixed-use



WIGGLE!

IDEA: Connect the hubs through the paseos; encourage meandering and community engagement; connect new hubs to existing parks and schools.

PLANT PALETTE

WESTSIDE

PRECEDENT: PASEO DE LAS MARIPOSAS (19th ST/FASHION AVE)
PLANTS TARGET POLLINATORS



Salvia mellifera



Mimulus aurantiacus



Salvia spathacea



BIOSWALES



Juncus mexicanus



Rosa californica



STREET TREES



Platanus racemosa



Alnus rhombifolia



Populus fremontii



WRIGLEY

PRECEDENT: ABUNDANT RESIDENTIAL FRUIT TREES IN THE AREA
PLANTS TARGET SEED-EATING BIRDS



Rhus integrifolia



Heteromeles arbutifolia



Arctostaphylos glauca



WATER REQUIREMENT

LOW

SEASIDE GREENWAY



Baccharis pilularis



Eriogonum fasciculatum



LIVABILITY AND RISK BY THE LA RIVER IN LONG BEACH, CALIFORNIA

Fall 2021 Urban Design studio
 Instructor: Jessica Henson
 In partnership with Yixuan Li and Yining Wang, MLA '23

In a group project with Yixuan Li and Yining Wang, we evaluated the livability and risk levels neighborhoods adjacent to the Los Angeles River in Long Beach.


Collectively, we developed criteria for rating each of these three umbrella categories. To help with this analysis, I collected and analyzed data including municipal services data, noise pollution data, fault line and flood risk data, and volunteered geographic information (VGI). Traveling by transit is unfeasible for many, as the average peak-hour wait time for buses ranges from 30 to 40 minutes. Traveling on foot is dangerous, as 20% of pedestrian deaths in Long Beach between 2015-2020 took place in the area.

NOTE ON DIVISION OF LABOR


I was responsible for mapping and calculating index of catastrophic risk. I worked to calculate the index of physical livability and to produce the charts to the bottom right alongside Yining (roughly 50/50). I also worked with Yixuan to locate social media posts and code them for use to calculate the social livability index used in the map (I found and coded most of the data for tone and location, and Yixuan analyzed it).

Catastrophic risk	Persistent risk	Overall livability	
M	M	M	Hamilton
M	M	M	Starr King
M	M	L	Coolidge Triangle
M	H	L	DeForest Park
M	H	L	Dairy
H	H	M	Sutter
L	M	M	Los Cerritos
L	L	L	Wrigley Heights
M	M	M	Upper Westside
H	M	H	North Wrigley
M	H	M	South Wrigley
M	M	H	Westside
L	M	L	Lower Westside
H	H	M	Magnolia District
L	H	L	Willmore
H	H	M	West Village
H	H	M	Downtown


PERSISTENT RISK


 zone of high overall risk includes asthma and disease rates, die pollution, and air


CATASTROPHIC RISK


 zone of high overall risk includes flooding, earthquakes, liqu

LIVABILITY

low  overall social livability result of analysis geographic info social media and

high 

low  overall physical livability includes transit grocery store c person, tree cano use

high 

ANALYSIS: PHYSICAL LIVABILITY by neighborhood

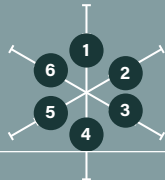


chart key

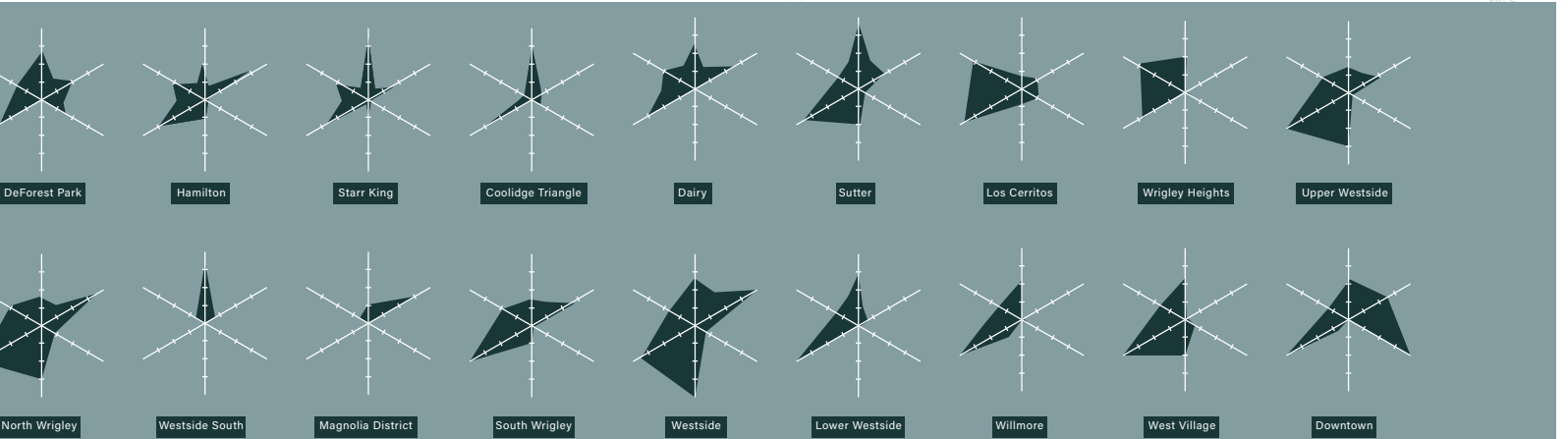
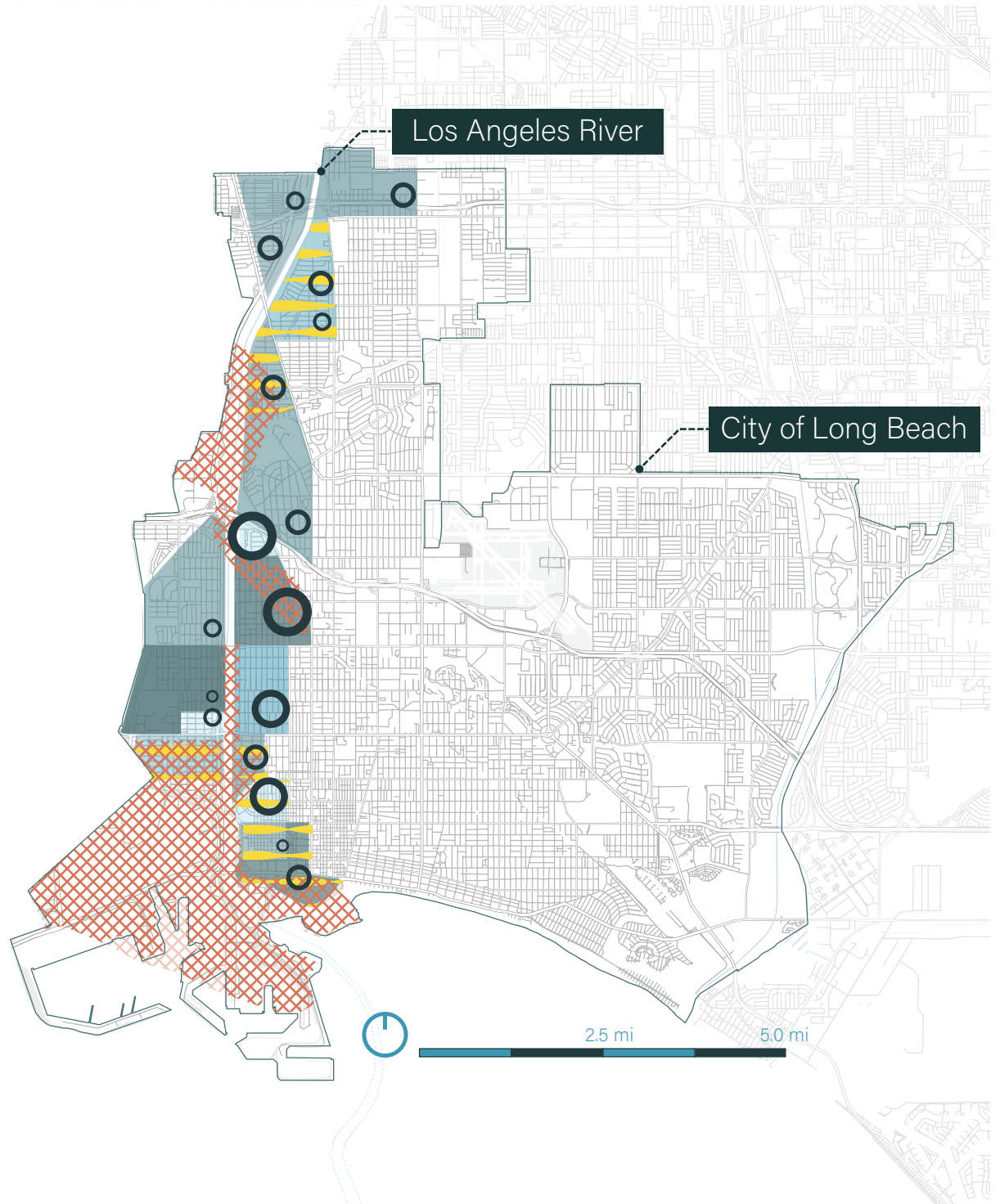
- 1 Avg. daytime transit wait time
- 2 Grocery stores
- 3 Parks (acres : population)
- 4 Schools (per neighborhood)
- 5 % negative land use (estimated)
- 6 % tree canopy

Overall persistent risk
 from air quality, traffic, noise, and cardiovascular
 pollution, and PM 2.5
 and ambient noise pollution

Overall catastrophic risk
 from sea level rise,
 and sea level rise, and
 sea level rise

Overall livability
 based on analysis of volunteered
 geographic information collected from
 review websites

Overall livability
 based on wait times, school and
 density, park acres per
 capita, and % negative land



FIFTY-ONE MILES

Funded independent project

Advisor: Alex Robinson

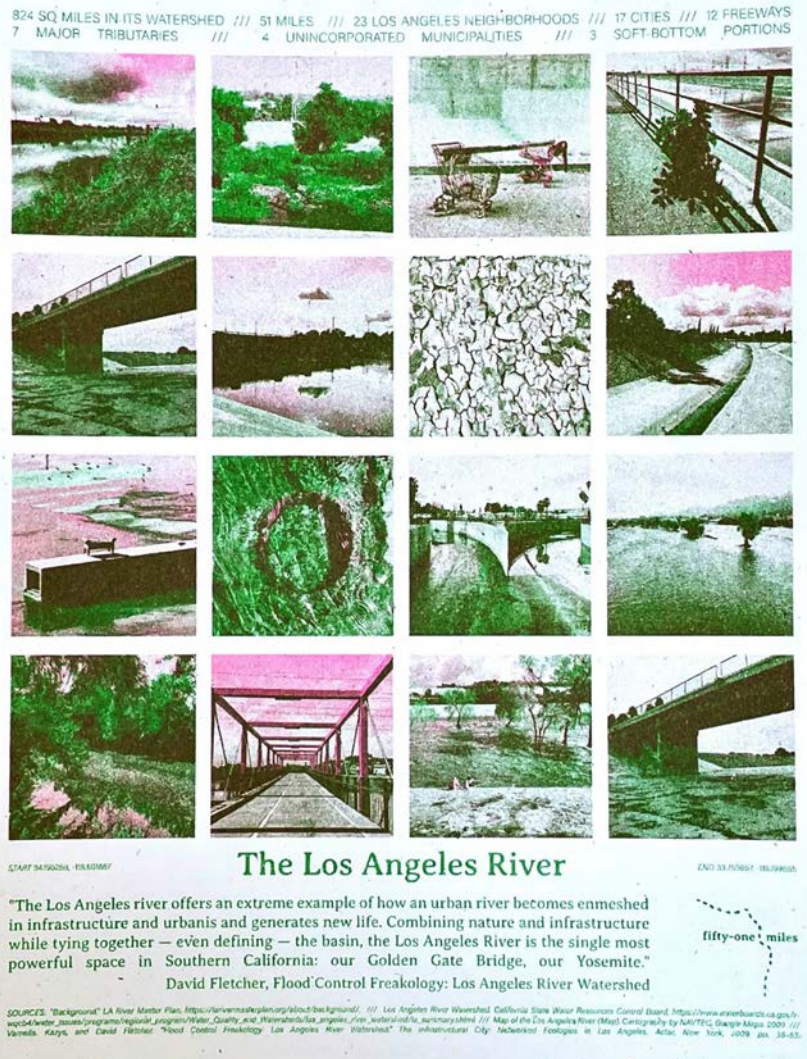
In partnership with Leslie Dinkin MLA/MHC '23, Nina Weithorn MLA '24, and Camille Shooshani

Fifty-One Miles is the name of a project team consisting of three interdisciplinary landscape architecture students and one documentary filmmaker. We are passionate about the Los Angeles River: its biological diversity, its potential as a powerful tool for climate resilience and active transportation connectivity at regional scale, how life persists in and around it despite being designed to keep life out.

Our team is focused on documenting the ground-level stories of the entire Los Angeles River, with the potential of this data to be used alongside more quantitative riverwide datasets. We currently plan to walk the length of the river over the course of six days in late Summer 2023. By walking, we will witness minute changes and connections that normally go unnoticed, and create informal spaces for dialogue between USC students and community members.

In March 2023, we hosted our first Los Angeles River Story Slam, an open event in which ten diverse speakers shared their personal stories of the river. The event was attended by over 150 people. We plan to host additional Story Slams in the near future.

My contributions to the team have included logistics and speaker coordination for the Story Slam, graphic design, social media presence, grant writing, and organization. Once we begin our walk, I will focus on recording phenomena related to human access to and experience of the river.





**FRIENDS OF THE
LA RIVER**

ARTS IN ACTION
a part of USC Visions & Voices



Fifty-one miles presents

THE LA RIVER STORY SLAM

@fiftyonemiles

Join us for a night of 5-minute river stories from voices around LA!

Wednesday 3/15 • 7-10 pm • Frogtown Brewery • Free admission • All ages

Have a story you want to share? Email us at fiftyonemiles@gmail.com. Speakers will be paid for their time.



Derek Traub

writer, storyteller
themes: running, daily use



Margaret Gallagher

illustrator, botanist
themes: inspiration, education



Lalo Sanchez

photographer
themes: childhood,
formative experiences



John Kosta

painter
themes: beauty



Miles Griffis

journalist
themes: homelessness



Analiza Del Rosario

flyfisher, digital marketer
themes: fishing,
women and the LA River



Lino Jubilado

flyfisher
themes: fishing, community



Sheldon Wright

voiceover artist
themes: trash, calls to action



Mia Lehrer

President, Studio MLA
themes: urban design



Steve Appleton

kayaker, activist
themes: frogs, ways of seeing

TEST PLOT

Documentarian and research assistant, 2021-2023

Instructor: Jen Toy

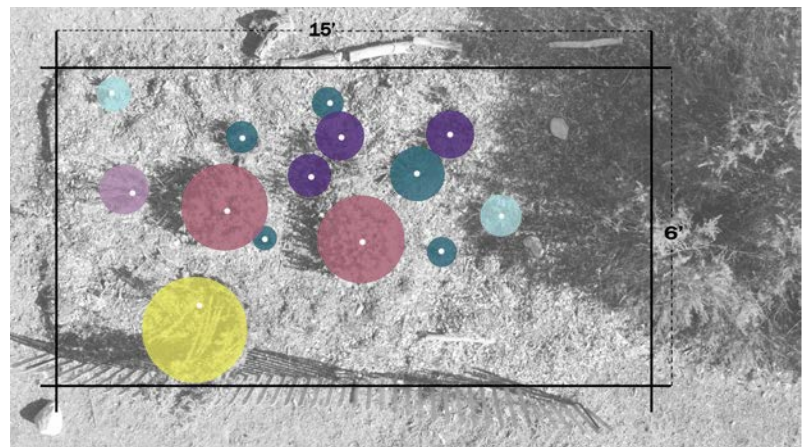
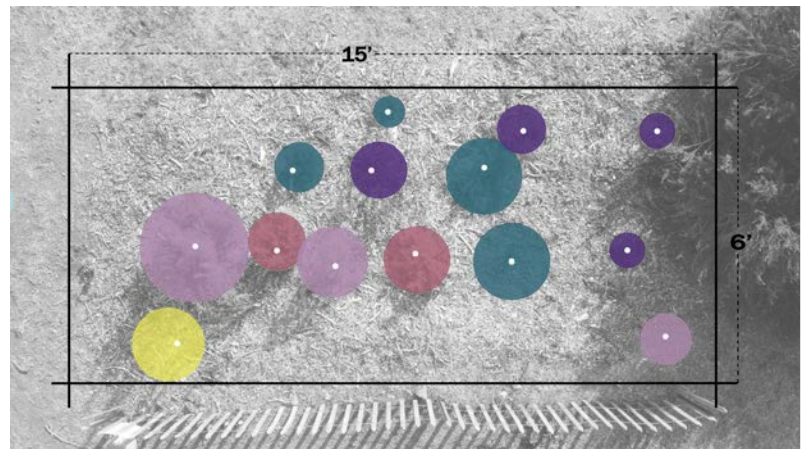
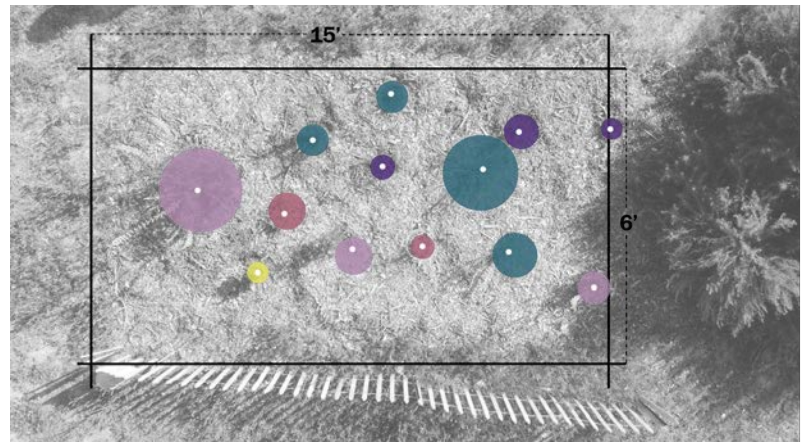
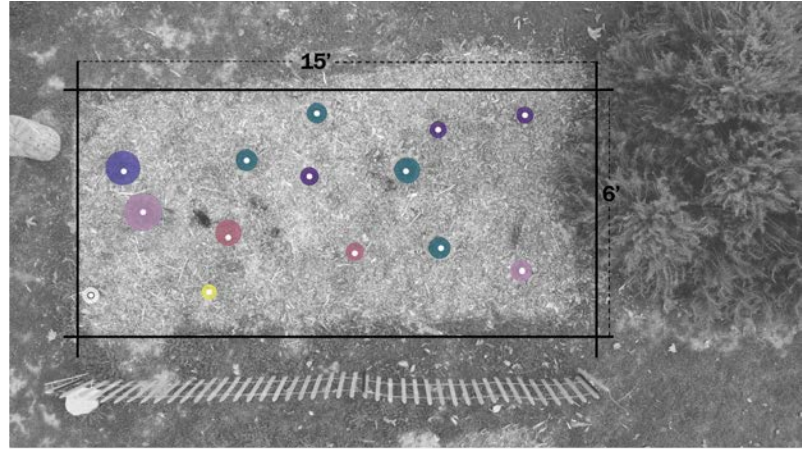
Test Plot is a community-oriented restoration project led by Jen Toy. In 2021, I monitored plant growth, soil conditions, and volunteer participation. Additionally, I maintained the Test Plot website. In 2022, I was awarded the Arts and Climate Collective grant to conduct a series of interviews with identified “Super Stewards” associated with the different Test Plots - that is, people who are stewards of both the environment and of community.

Right: Dot diagrams tracking plant growth, February, April, August, and December 2021.

Below: Field notes photo, taken by me, Sep 2021.

Next page, above: Super Stewards social media concept.

Next page, below: Photo from Elysian Park interview with Super Stewards Dante Iniguez and Anthony Martin with interviewers Daniela Velazco (MLA '23) and myself, taken by Robert Flynn, 2022.



MEET THE SUPER STEWARD



LUIS RINCON
INTERPRETIVE COORDINATOR

RIO DE LOS ANGELES STATE PARK

FAVORITE PLANT: **SALVIA APIANA** WHITE SAGE

Family: LAMIACEAE (MINT)
Type: PERENNIAL SHRUB



"I'd have to say White sage, because it's...our connection to our native American past...It is beautiful and fragrant and there is a sensory factor to it, there's so many spiritual things that come out of it. When people talk about native white sage you're also talking about people's thoughts around their belief system...so it has the potential to make those connections to the earth, the region, biodiversity, so there are so many opportunities to be had with that plant. I like that one singular plant, one California native plant has the opportunity to do all that."



SUPER STEWARDS

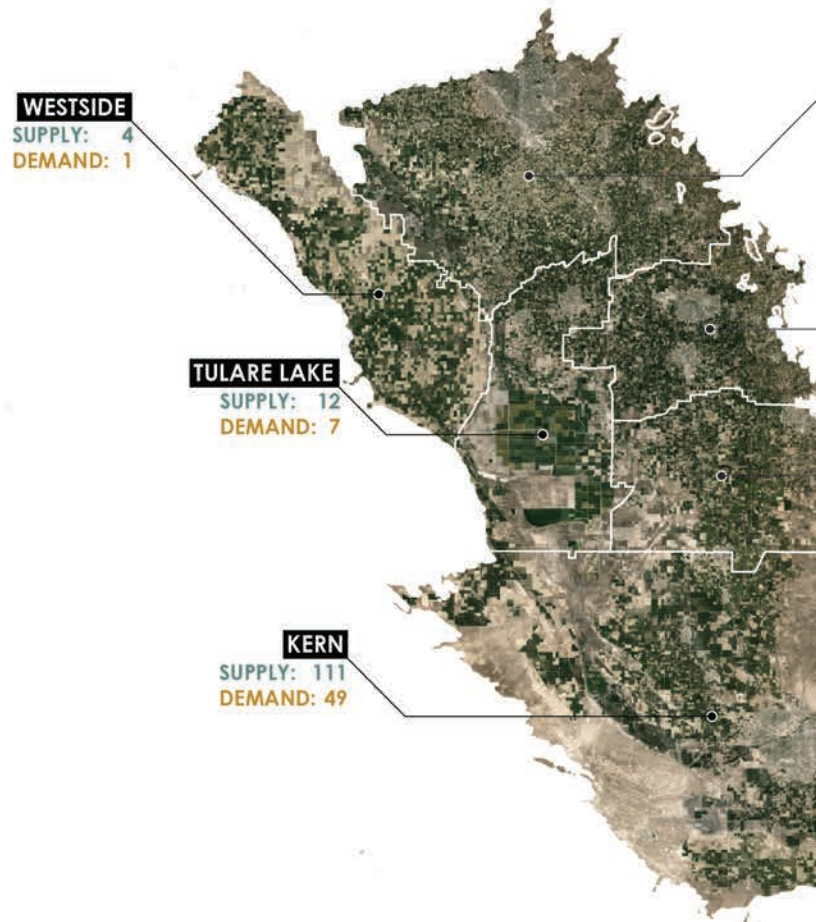


SGMA IMPLEMENTATION IN THE SAN JOAQUIN VALLEY

Summer 2021 Research Assistantship
Instructor: Alison Hirsch

The Sustainable Groundwater Management Act (SGMA) requires critically overdrafted basins in the state of California to come up with plans to reduce their dependency on groundwater and encourage groundwater recharge.

Among other work, I created this visualization to help understand how Groundwater Sustainability Projects might be implemented in the SJV and to visualize trends in the types of projects that are planned to be built and found that supply expansion, which only requires finding new water sources, was far more popular than management, which requires systemic behavioral change.



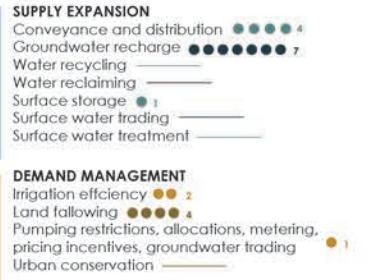
TULE



WESTSIDE



TULARE LAKE



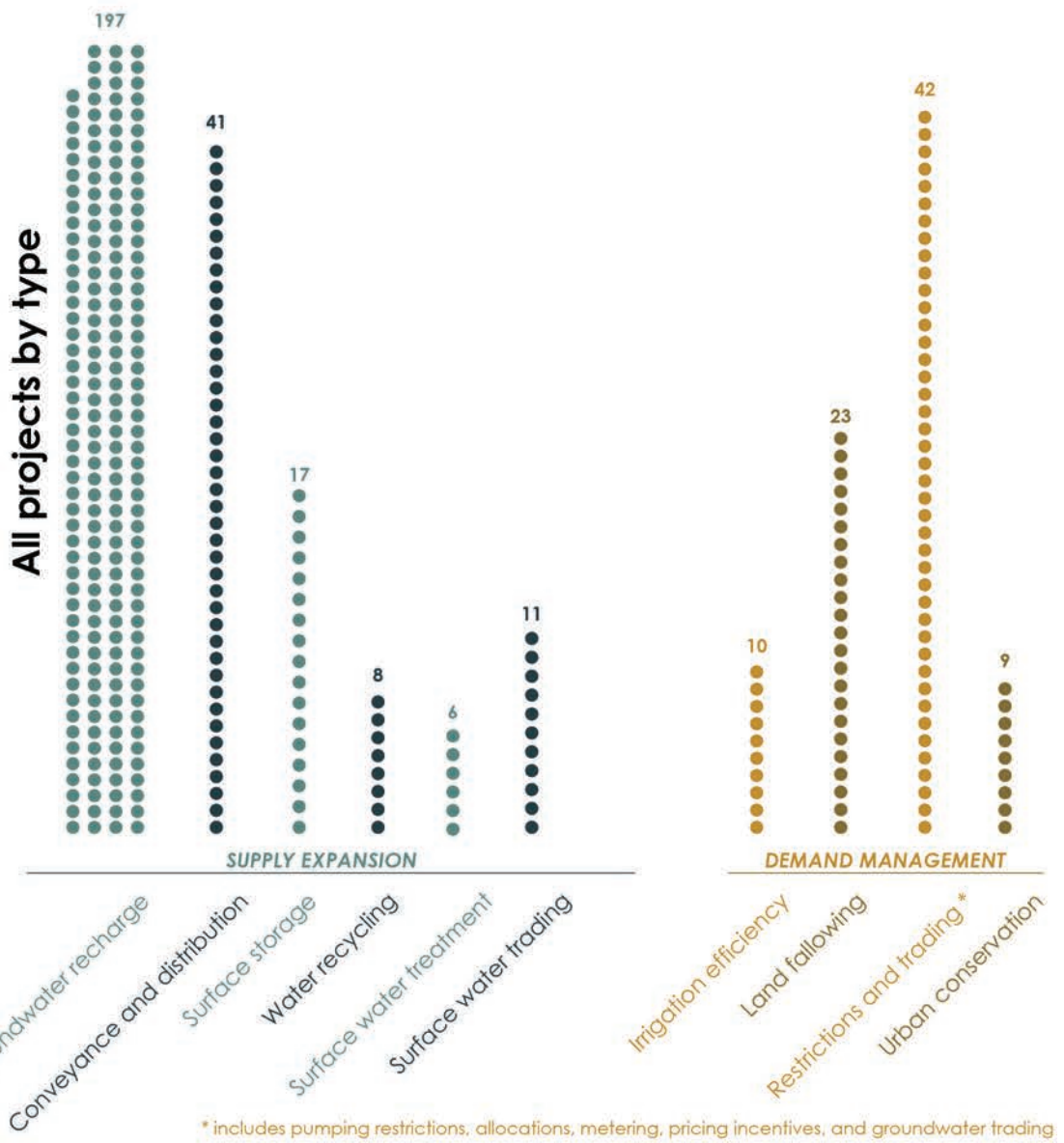
KAWEAH



KINGS
 SUPPLY: 98
 DEMAND: 14

KAWEAH
 SUPPLY: 35
 DEMAND: 5

TULE
 SUPPLY: 20
 DEMAND: 8



* includes pumping restrictions, allocations, metering, pricing incentives, and groundwater trading

KINGS



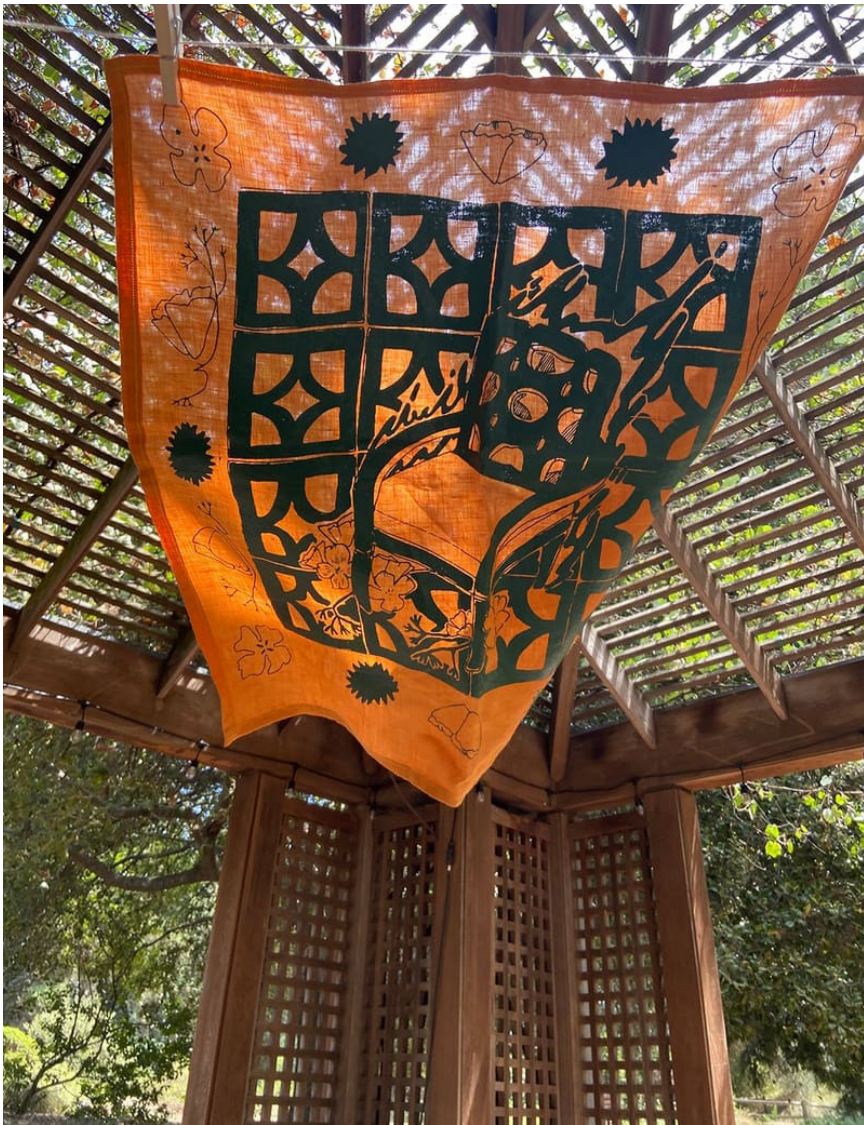
KERN



PERSONAL WORK

My illustration work focuses on how the human and non-human worlds come together and exist separately.

I was selected as one of the 2020 Summer Artists-in-Residence at the California Botanic Garden, for which I created a series of bandanas depicting different facets of (human and non-human) life in Los Angeles.



“Urban Iconography Bandana” installed at CalBG, ink on linen, July 2020



“Summer 2021”, risograph print for RISO WEEKEND show curated by Natalie Center at Junior High gallery, December 2021

I also am on a mission to sew my own wardrobe. I enjoy the challenge of pairing fabric with pattern, and particularly like to focus on details like contrasting topstitching, neat finishes, creative use of scrap fabric, and hidden embroidery.



SUMMARY

Master of Landscape Architecture / Master of Urban Planning graduate with project leadership experience and a focus on climate adaptation, mitigation, and justice relating to urban heat and access to green space; urban ecology education and qualitative research regarding the LA River; and urban frameworks that are sensitive to local native ecologies and cultural contexts.

EDUCATION

Los Angeles, CA **University of Southern California, School of Architecture**
May 2023 *Master of Landscape Architecture + Urbanism*

Los Angeles, CA **University of Southern California, Sol Price School of Policy and Planning**
May 2023 *Master of Urban Planning,*
Urban Design concentration

Chicago, IL **University of Chicago**
June 2016 *Bachelor of Arts, Environmental Studies,*
Policy and Economics concentration
Degree conferred with Honors
Minor in Visual Arts

EXPERIENCE

LA River Integrated Design Lab
Los Angeles, CA
May 2023-present **Project Lead/Afterschool Urban Ecology Educator**
Developing and leading an LA River urban ecology-focused educational and career discovery afterschool program for high school students local to Elysian Valley for client organization Friends of the LA River (FoLAR).

University of Southern California
Los Angeles, CA
Nov 2020-present **Designer**
Developed websites for three projects and initiatives related to the Master of Landscape Architecture program, including the website for innovative Los Angeles River Integrated Design Lab directed by Alexander Robinson. Utilized a variety of platforms, including Wordpress, Squarespace, Cargo.site, and an in-house proprietary platform

Websites developed and/or managed:

2022-present LA River Integrated Design Lab (developing)
2020-2023 Landscape Justice Initiative (developed and managed)
2021 Ground Interdisciplinary Speaker Series (co-developed and co-managed)
2021-2022 Test Plot (managed)
2021 Your San Joaquin Valley (developed)

Buro Happold
Los Angeles, CA
Jun 2022-Aug 2022 **Cities Intern**
Researched best practices in emerging field of urban heat adaptation and mitigation and prepared recommendations report for Los Angeles Chief Heat Officer Marta Segura
Developed community outreach materials for the development of the Tucson Climate Action Plan with a focus on simple, clear language and use of graphics to communicate concepts

University of Southern California
Los Angeles, CA
Jan 2021-Dec 2021 **Research Assistant to Program Director MLA+U Alison Hirsch**
Conducted critical research into groundwater use projects in San Joaquin Valley in response to emerging regulatory policy under SGMA
Researched and managed speakers for remote 7-part interdisciplinary

EXPERIENCE CONTINUED

University of
Southern California
Los Angeles, CA
Jun 2021–Dec 2021

Research Assistant to MLA + U Professor Jen Toy

Documented the Test Plot native plant restoration projects using drone photography, ground photography, and note-taking
Researched and created body of case studies for use in adaptive maintenance-focused studio class

Aggregage
El Segundo, CA
Apr 2019–Jul 2020

Product Manager

Worked closely with CTO to oversee workflow of a team of four distributed developers, designed and specified internal products

HIGHLIGHTED PROJECTS

University of
Southern California
Los Angeles, CA
Nov 2022–present

Fifty-One Miles: A Walking Exploration of the LA River

Funding awarded: 2023 Arts-in-Action (\$24,610), 2023 Arts and Climate Collective (\$1,350), 2023 FoLAR Riverfest featured event (\$1,650)

Co-led six-day urban hike along the length of the Los Angeles River in partnership with FoLAR and Nova Community Arts.
Research goals are to document current conditions of human access and emergent ecologies through mapping, diagramming, and photography.
Organized accompanying 2xLA River Story Slam events.
Built and managing project website, fiftyonemiles.com.

University of
Southern California
Los Angeles, CA
Jan 2022–present

Super Stewards

Funding awarded: 2022 Arts and Climate Collective (\$1,350)

Co-led six-part interview series highlighting individuals involved in the Test Plot network across Los Angeles (Rio de LA State Park, Elysian Park, Elephant Hill, Baldwin Hills Scenic Overlook) who are both stewards of local restoration ecology and stewards of community. In-person interviews with written and visual collateral.

University of
Southern California
Los Angeles, CA
Aug 2022–Dec 2022

Tierra Park

School design studio project focused on utilizing phytoremediation techniques tailored for former drill site contamination in South LA.
Resulting design incorporated current research on use of CA native plants for bioremediation into a design for a neighborhood park and housing.

ADDITIONAL INFORMATION

Applications

Adobe Creative Suite (Photoshop, Illustrator, InDesign), Microsoft Suite (Word, Powerpoint, Excel), Rhino, Sketchup, AutoCAD, LandFX, ArcGIS Pro, Wordpress, Squarespace, Cargo.site

Spoken languages

English (native), French (proficient)

Computer languages

HTML, CSS, Python, Grasshopper

Organizations

Vice President, USC Student Chapter, American Society of Landscape Architects (2021–2023)

Awards

CLASS fund scholarship (2022)
Tau Sigma Delta Honor Society (2023)
USC Architecture Symposium (2023):
1st Place (*Urban LAB*)
Honorable Mention (*Fifty-One Miles*)
ASLA Student Merit Award (2023)

Certifications

FAA-certified Unmanned Aircraft (Drone) Pilot (in progress, expected October 2023)

Additional skills

Illustration, sewing, embroidery, laser cutting, risography (printmaking)

