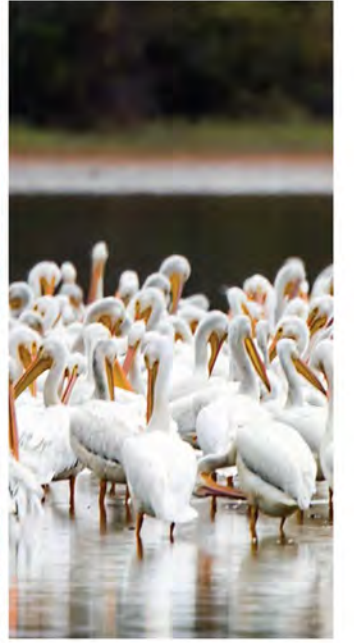




the **TENNESSEE RIVERLINE**



catalyzes

economic development, public health, resource
stewardship and equitable access

A vibrant photograph of a city waterfront scene. In the foreground, several colorful kayaks (green, yellow, red) are lined up on a gravel shore. A man in a blue shirt and shorts stands near a green kayak, while a woman in a blue shirt and dark pants leans over the side of a red kayak, assisting two children who are seated inside. The children are also wearing blue shirts and life jackets. In the background, a city skyline is visible across the water, featuring various buildings, including a prominent tall, dark skyscraper and a modern building with a curved, glass facade. The sky is clear and blue, and the water is calm with gentle ripples. Other kayakers can be seen further out on the water, and a bridge is visible in the distance.

Outdoor Industry

\$887 billion in annual consumer spending

Supports 7.6 million U.S. jobs

\$200 million spent on canoes and kayaks

An estimated 17.4 million people paddle yearly

source: the outdoor industry association

Economic Potential of the Tennessee RiverLine



\$103.8 Million

INCREASE IN ANNUAL DIRECT
AND INDIRECT SPENDING

1,959
new jobs

\$65.5 Million
increase in personal income

\$2.6
Million state and local
sales tax revenue

808,000
new paddlers

the Tennessee RiverLine is a partnership of

in collaboration with



for all who seek to experience the Tennessee River for generations to come

\$5 Billion +



“Chattanooga is an excellent fit for the Volkswagen culture, having an exceptional quality of life...”

- Mr. Jacoby, president and CEO of Volkswagen Group of America



Connect South Pittsburg

16 acre riverfront park, 5.5 miles bike/ped system



Lodge Point

South Pittsburg High School

South Pittsburg Elementary School

City Hall

Lodge Manufacturing

RiverLine

Highway 72

Water Works & Sewage System

Swimming Pool

Multi-use Court

Dog Park

Playground and
Bouldering Parks

Event Lawn

Multi-purpose Field

RiverLine

Tennessee River

River Park Bird's Eye

The proposed new River Park is situated on 16 acres of city-owned land east of Highway 72 and the Water Works & Sewage System facility. This image highlights the location of and relationship between the park's major program features.



INTERVENTION STAGES



EXISTING CONDITION

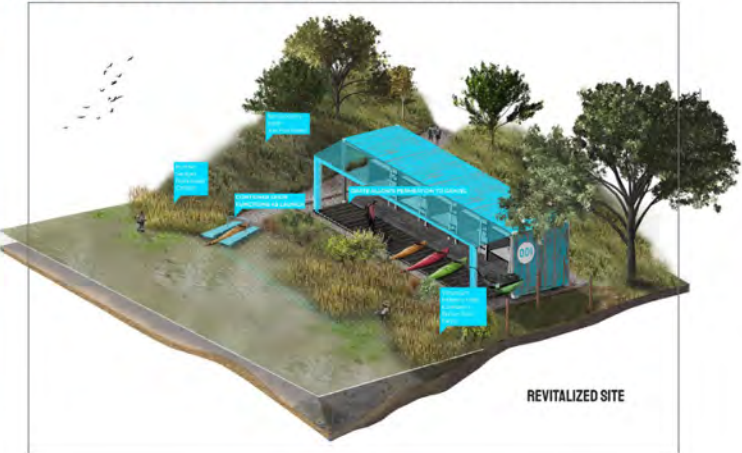


SITE PREP



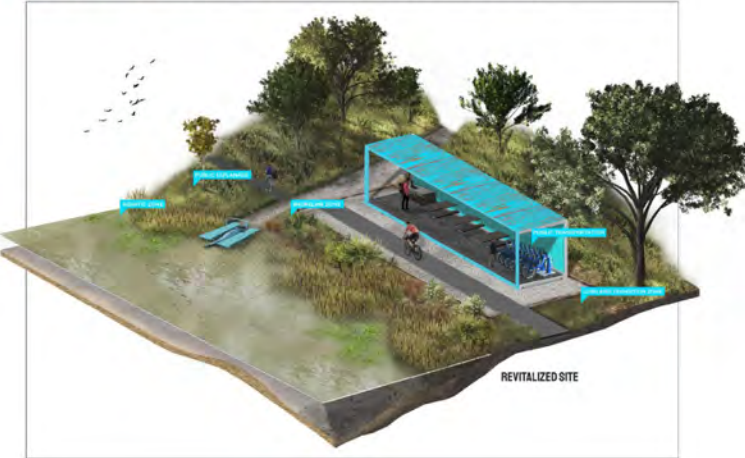
REVITALIZED SITE
TEMPORARY INSTALLTION

001 THE RIVER HORSE THE CONNECTION FROM THE RIVER TO COMMUNITIES



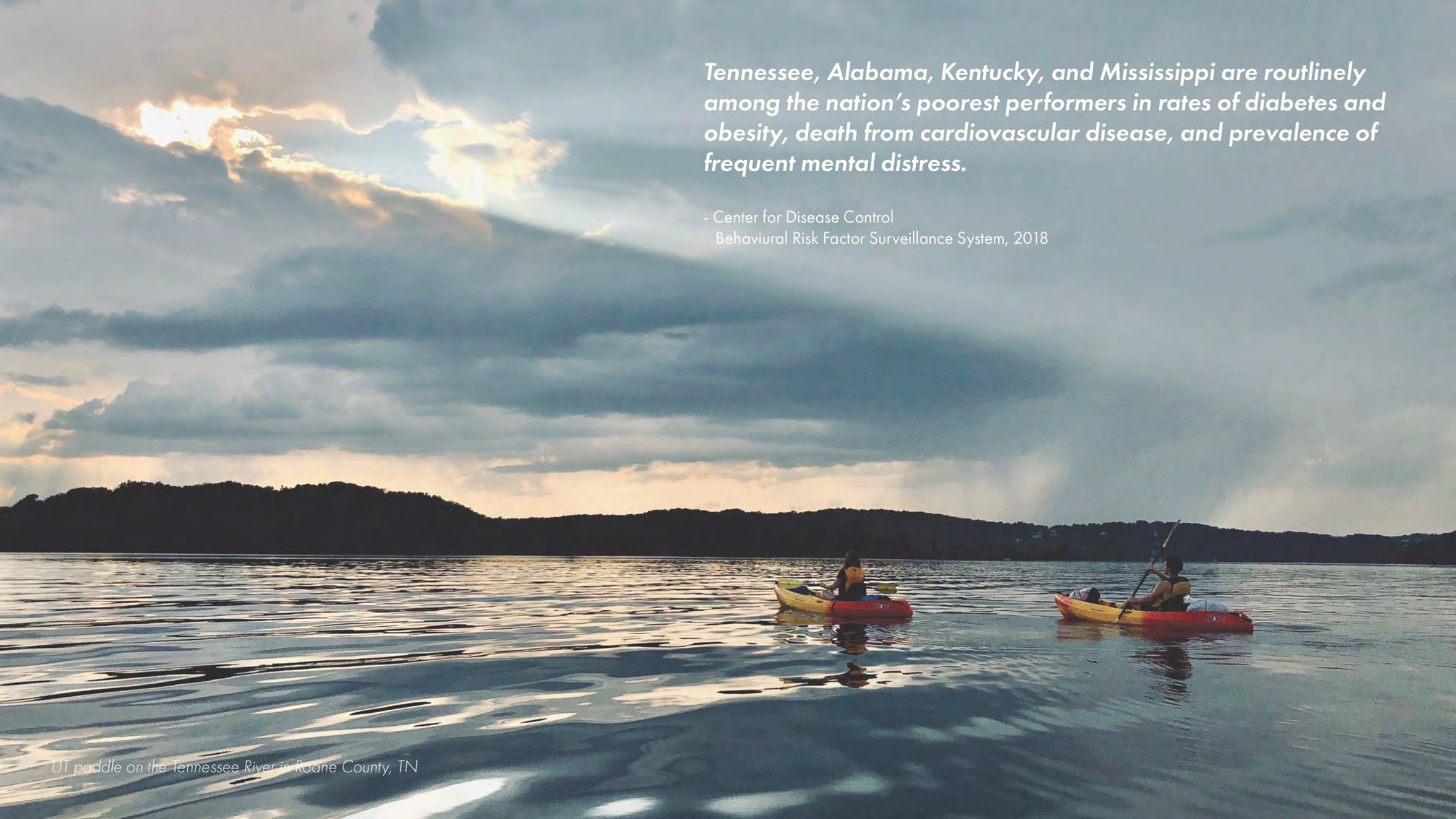
REVITALIZED SITE

002 THE PORT THE LINK BETWEEN RECREATION AND ISOLATED EXPERIENCE



REVITALIZED SITE

RIVERLINE ROAMER



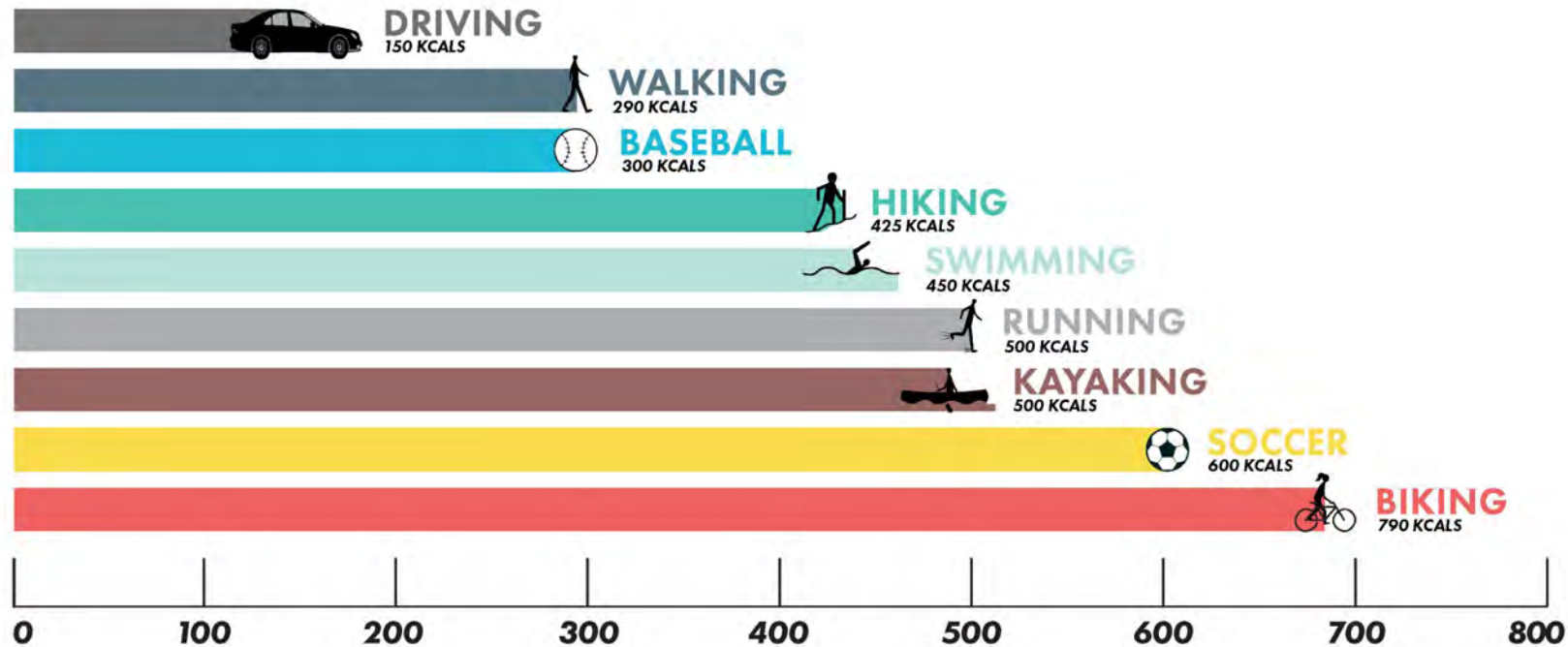
Tennessee, Alabama, Kentucky, and Mississippi are routinely among the nation's poorest performers in rates of diabetes and obesity, death from cardiovascular disease, and prevalence of frequent mental distress.

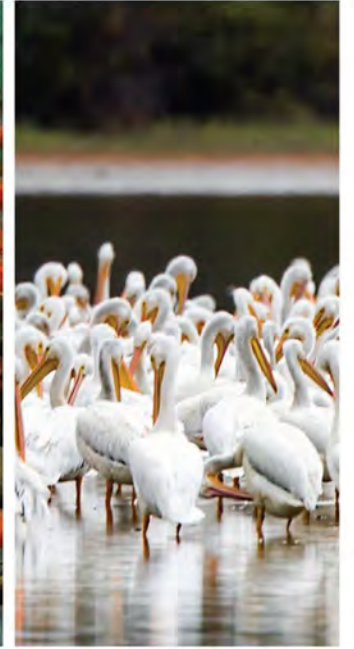
- Center for Disease Control
Behavioural Risk Factor Surveillance System, 2018

UT paddle on the Tennessee River in Roane County, TN

Health Benefits of Healthy Lifestyle Activities

KCALs Burned Per Hour

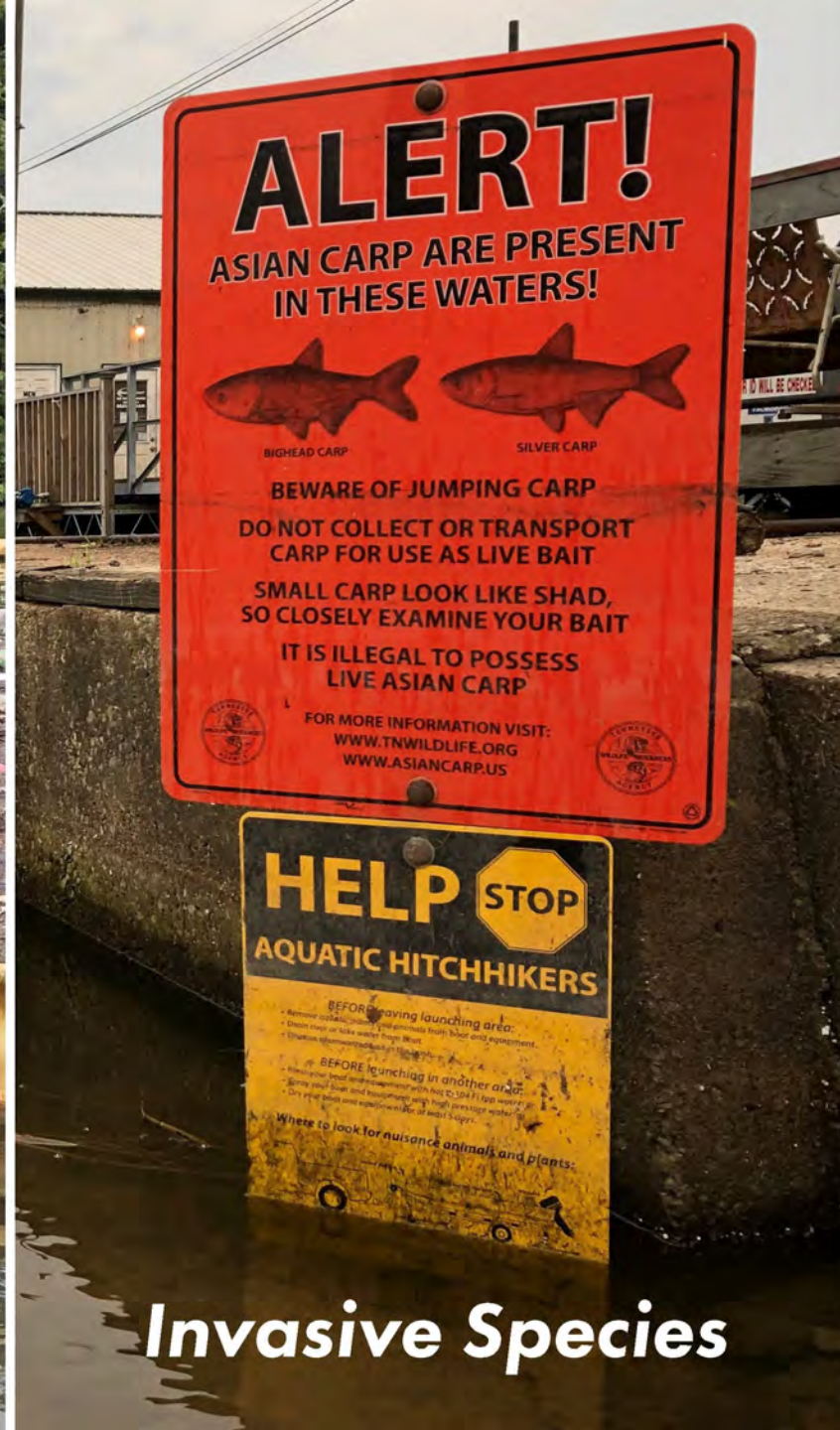






STEWARDSHIP

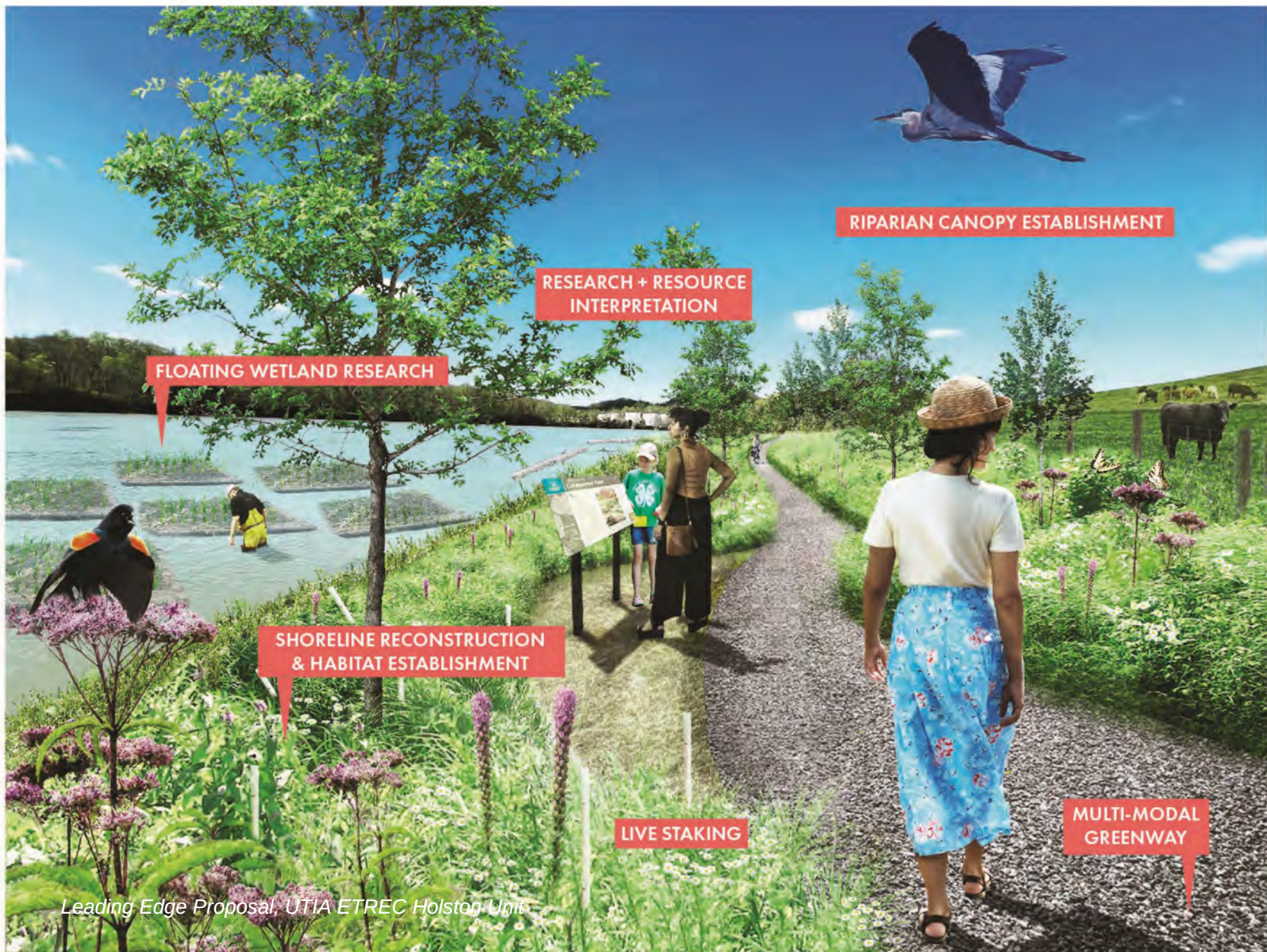
Microplastics



Invasive Species



Shoreline Erosion



Leading Edge Proposal, UTIA ETREC Holston Unit



Leading Edge Proposal, UTIA ETREC Holston Unit

A 3D perspective rendering of a landscape design plan. The plan shows a parking lot on the left, a road with a car, a landscaped area with trees and a path, and a blue water feature with a bridge on the right. The design is presented in a 3D cutaway style, showing the ground level and the underlying structure.

A 3D perspective rendering of the conceptual design for the new park. The design features a landscaped area with various trees, a winding path, and a small structure near the water. The area is divided into different zones, including a green space with trees and a paved area with a path. The design is shown in a 3D perspective view, highlighting the spatial layout and the integration of natural and built elements.

[illegible]

Submerged Zone

- In a 100 year flood period, these plant species experience a 3-5 month period of flood disturbance which leads to depletion of vegetation and barren time
- The plants in this zone however are selected based on their ability to spread through seeds along the shoreline via water and wind and regenerate when the water line recedes

Shrubline Zone

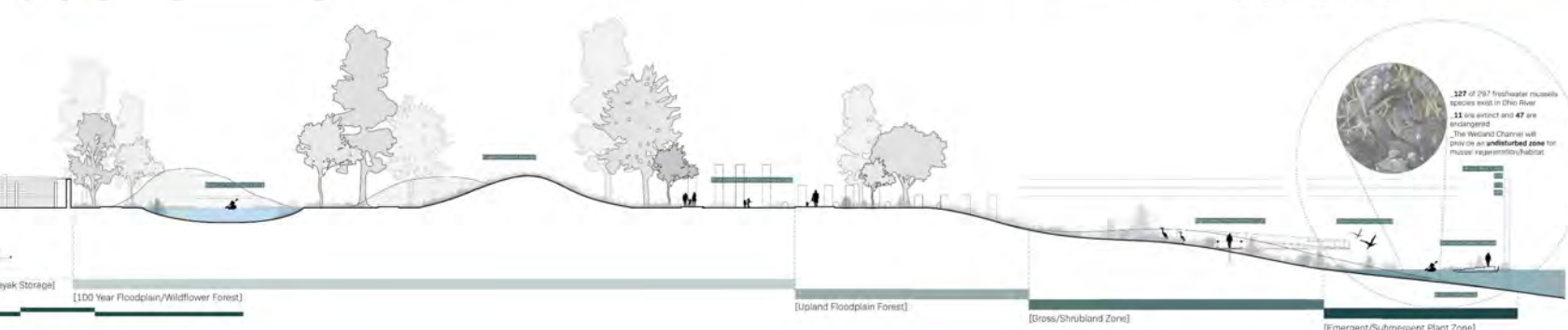
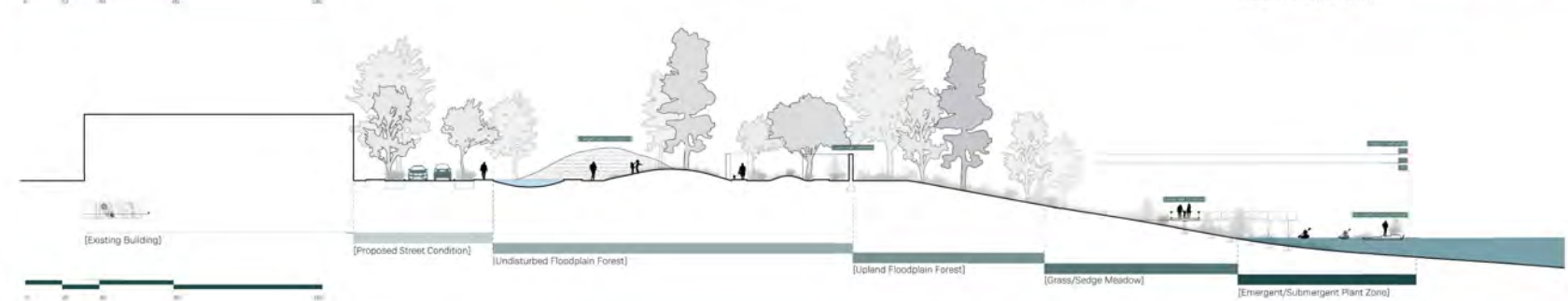
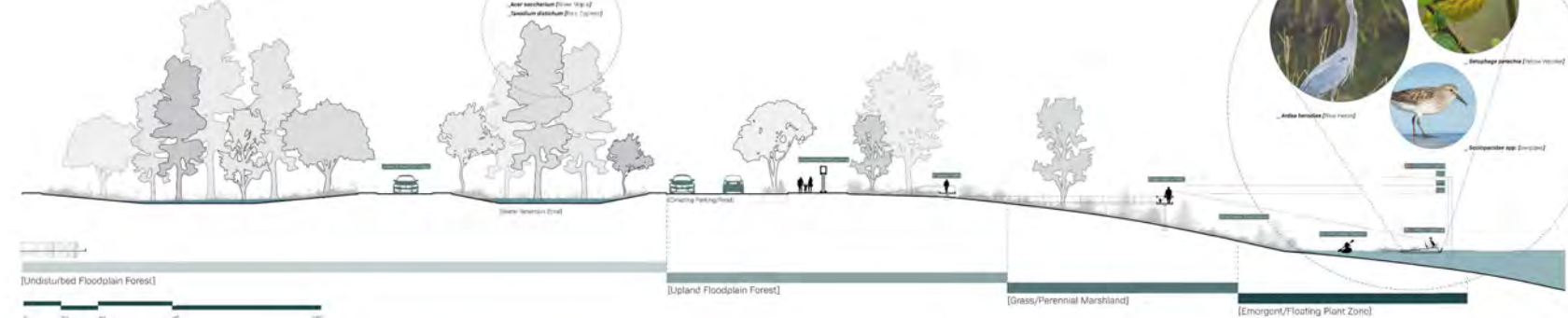
- Normally exposed to annual flooding, this zone of species becomes fully submerged and while some species may survive others will die back and form a temporary barren area in the winter months
- These species have seeds that can survive for months under water will germinate when water recedes

Substrate Zone

- During a major flood, this zone is the least affected as it flows in the submerged shrubline zone and can withstand being underwater
- When water levels recede, the submersed zone will survive and continue spreading via rhizomes

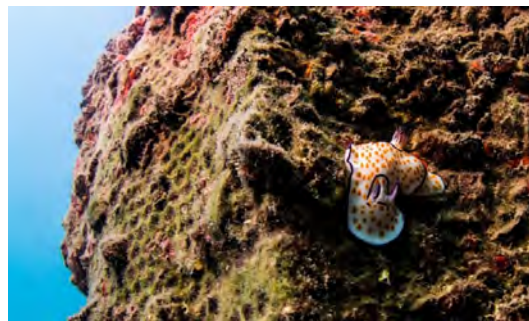
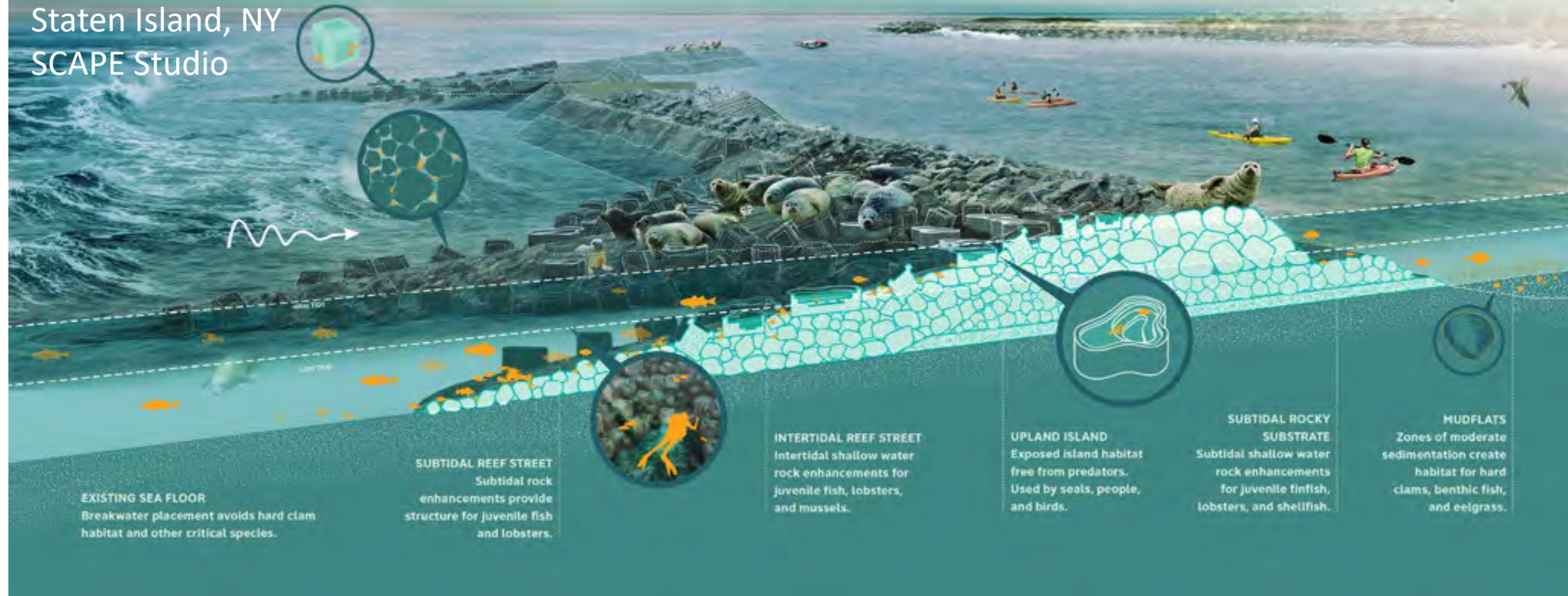


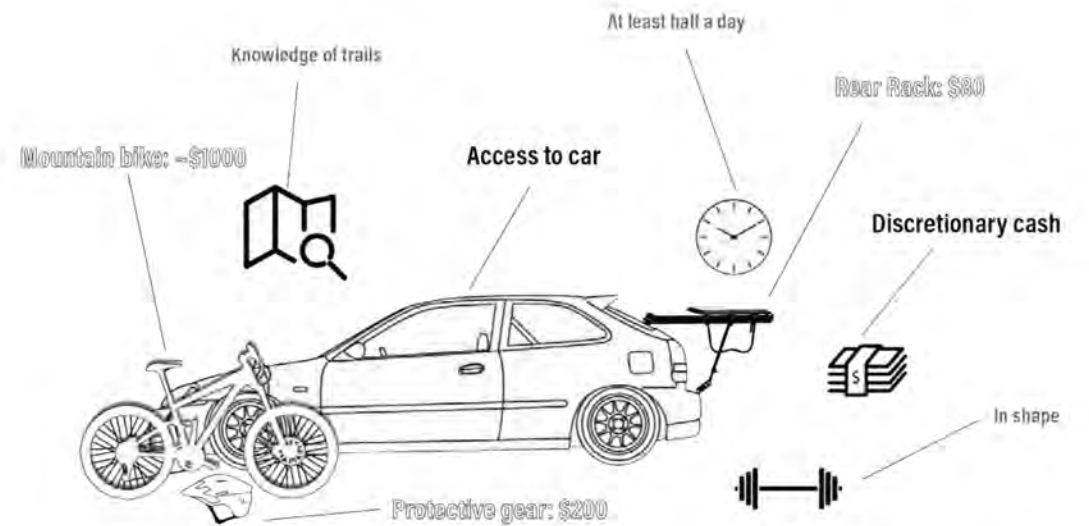
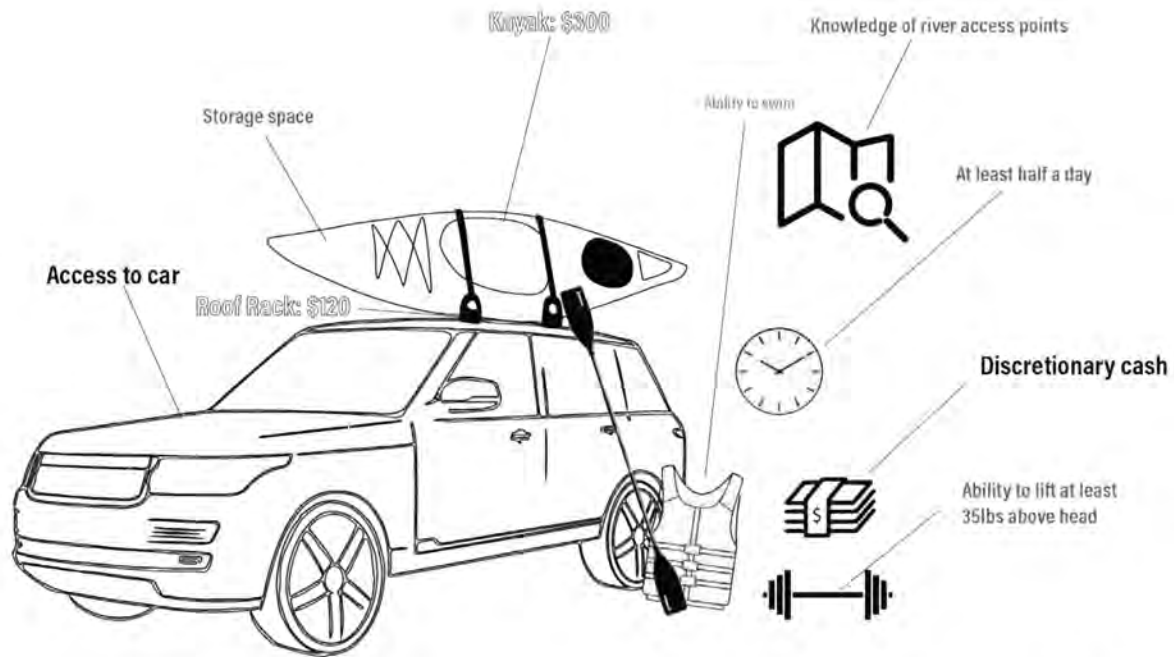
Floodplain Forests provide a unique structure of ecology that showcases three layers of groundcover, understorey, and the canopy level. These species of plants and trees have qualities that allow them to withstand annual flood periods but also when in an undisturbed setting can thrive and provide habitats for multiple animal species, as well as give an urban setting a place to wander and explore.



Living Breakwaters

Staten Island, NY
SCAPE Studio





BARRIERS TO RECREATION

Barriers to Recreation Study, Chloe Kilpatrick, 2020 Tennessee River Studio

EQUITABLE ACCESS



UT Pre-College Upward Bound

August 2021 Paddle Event

