LATERAL CONNECTIVITY OF THE SACRAMENTO RIVER

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CONTRACTOR LAND

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Accessibility **Lateral Connectivity Current Conditions Public Crossing the River Bringing the City to the River Ecological Lateral Connectivity** Summary

aps Lock

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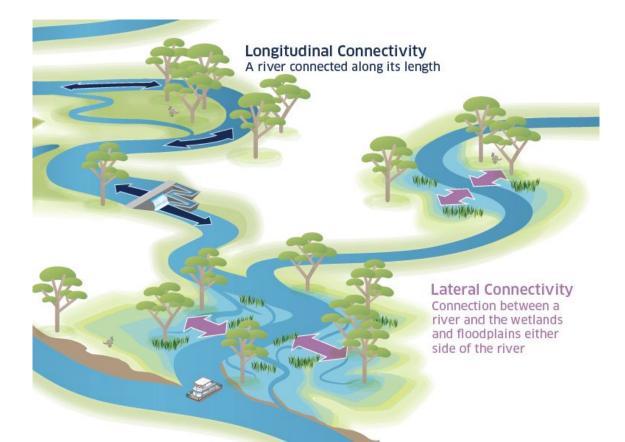
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Why accessibility?

- Che et al. (2012) "Connectivity is related to accessibility and, although there is no universal definition of the concept of accessibility"...
- Navarro (2000)- for whom accessibility is the possibility of performed recreational, aesthetic and education activities on the waterfront as protecting wildlife and its inhabitants

What is lateral Connectivity?



Social Connectivity

Context: Current Conditions



I Street Bridge

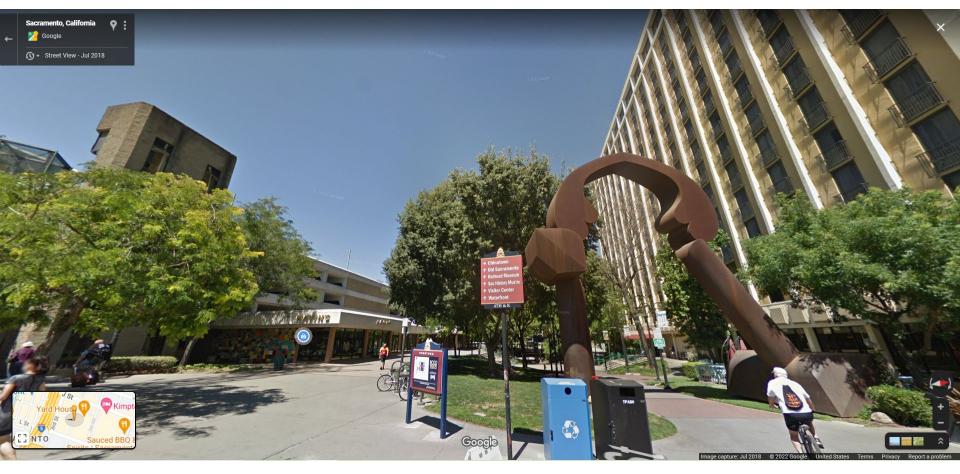


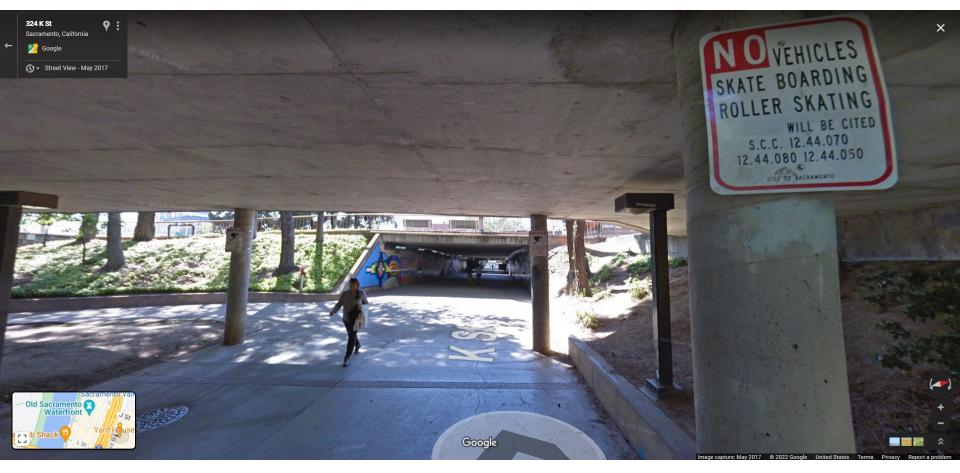
Tower Bridge, Capitol Mall



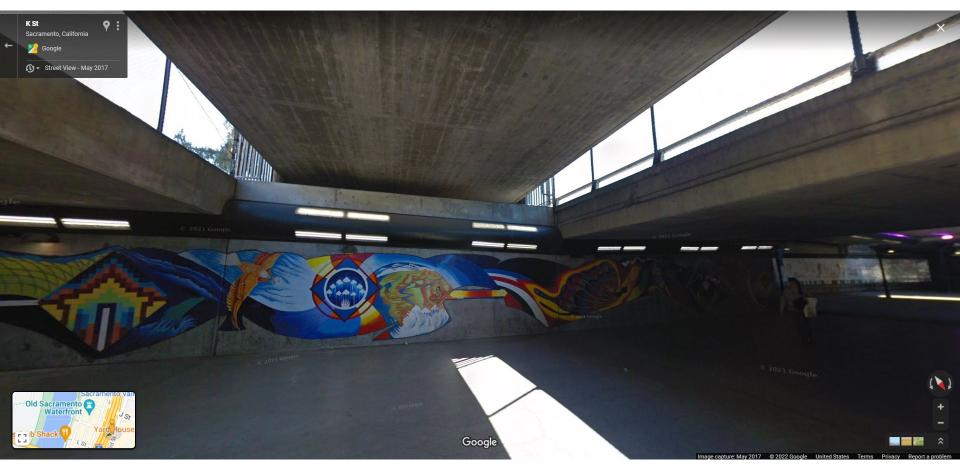
Tower Bridge, Capitol Mall

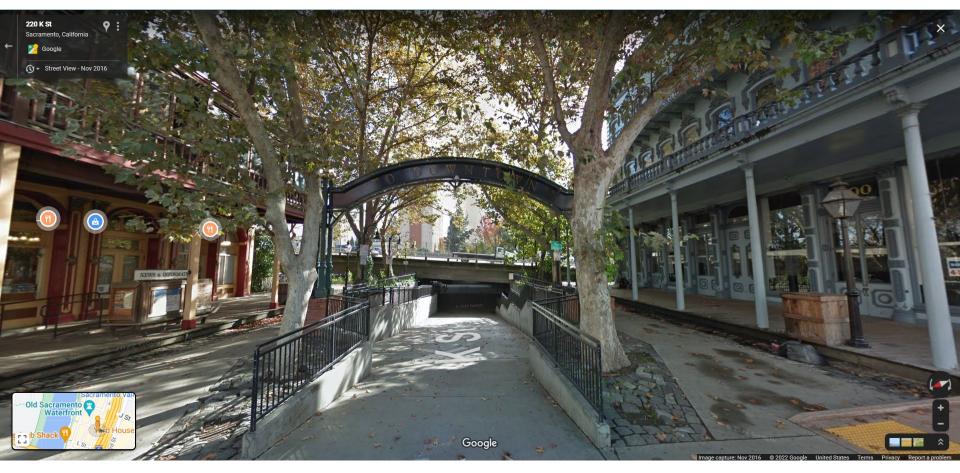


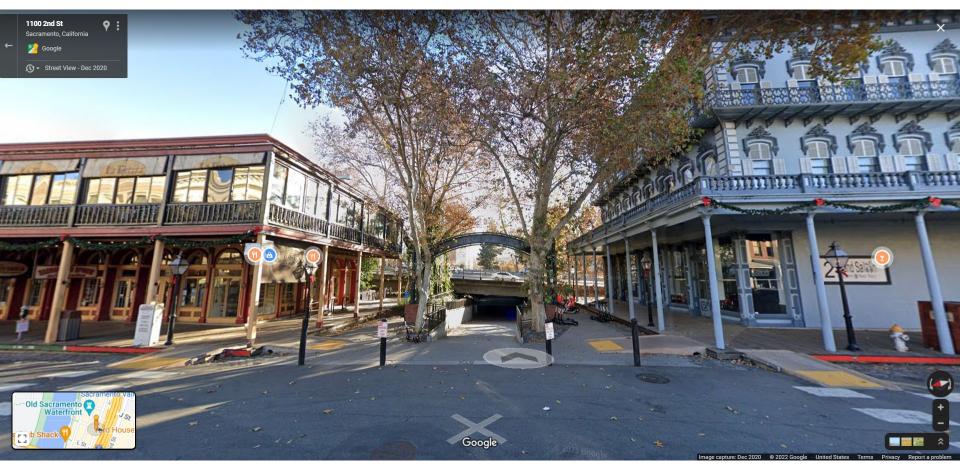


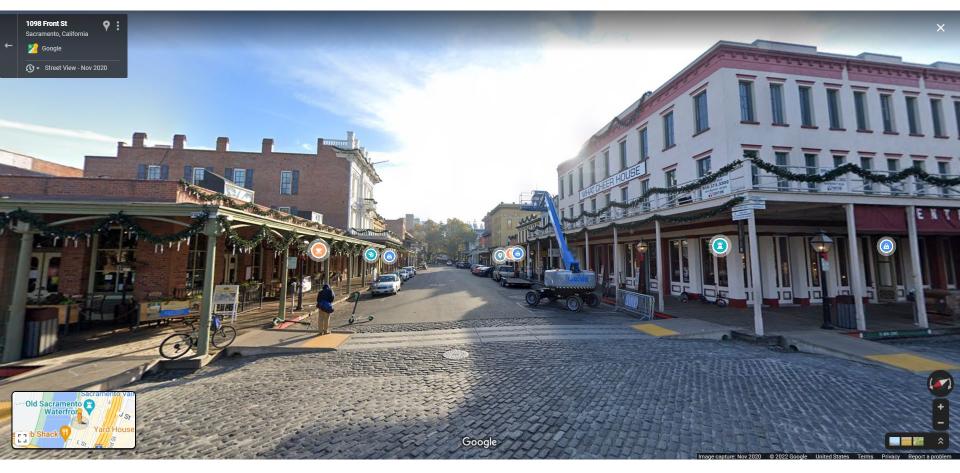














Social Lateral Connectivity

I. Public Crossing the River

Bridges

Pros

- Develop regional collaboration and cohesiveness
- More open public space to move through
- Creating accessibility for an 8 years old and 80 years old

Cons

- High impact invasive infrastructure
- Disturb habitat and water flow

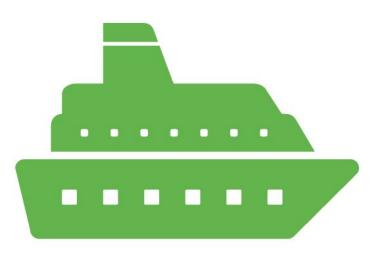
Home > Departments > Parks, Recreation & Tourism > Falls Park





FERRIES

- Why Ferries
 - Bike trail, going from one side to another, west
 Sacramento to Sacramento
 - Amenities
 - Restrooms, Cafe's
 - Tourist Attraction & Themed Days
 - Sacramento at Sunset
 - Holidays
 - Marathons
 - Proceeds 10%
 - Maintenance & Homeless population aid



Theory on Ferries

 "Ferries systems have continued to evolve with the provision of fixed links... such systems have adapted to co-exist with fixed link transport and have been incorporated into programs revitalising waterfront areas (Fox, 2016; Tanko & Burke, 2016; Weisbrod & Lawson, 2003)

Pro's

- Easy to develop
- Creates economies
- Tourist and local attraction
- Provides aid and assistance to those in need

Con's

- Emissions
- Wildlife disturbance





Gondola

Pros

- Low impact, low energy
- Ability to move from one side to the other
- Overview of the river

Cons

- Restricted to just one line
- Not accessible for everyone?







Social Lateral Connectivity

II. Bringing the City to the River

Trail network

Pros

- Build upon existing trail network
- Multi-jurisdictional accessibility
- Promotes inclusivity for all abilities and demographic backgrounds
- Low disturbance and reconnects people with the environment

Cons

- Cost and Maintenance
- Acquiring land and the right of way



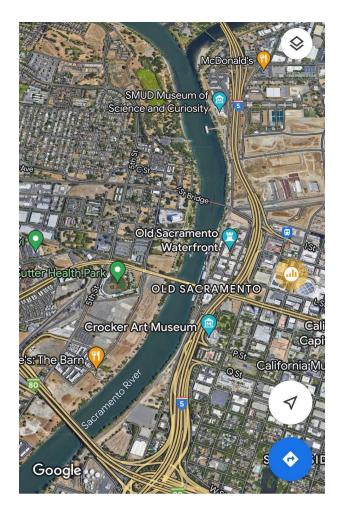




Crossing obstacles



Ecological Lateral Connectivity





There is limited opportunity to eliminate the levees.

But there is the chance to improve the habitat quality.

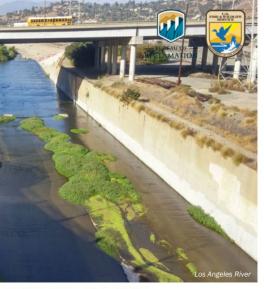
Improve habitat quality: LA RIVER

ACTIONABLE SCIENCE

Designing Low-Flow Channels in Confined Urban Rivers to Improve Aquatic Habitat Quality and Connectivity

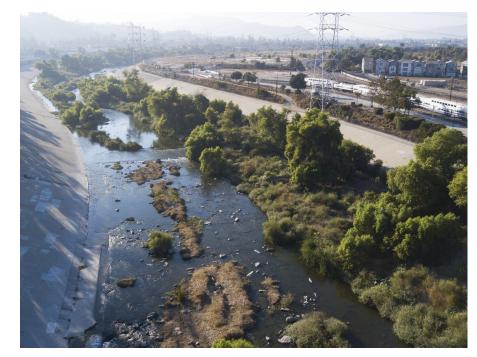


California's Los Angeles River was once a free-flowing river that frequently flooded. It was the primary source of freshwater for the City before the opening of the Los Angeles Aqueduct in 1913. After a series of floods in the early 20th century, this



KEY ISSUES ADDRESSED

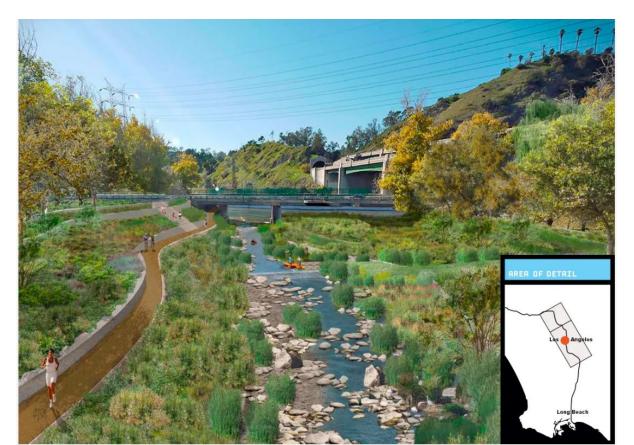
Watersheds throughout the western United States have become increasingly urbanized over the last century. Degraded ecological conditions have resulted from



Restoration of river bank: HOUSATONIC RIVER



Improve habitat quality: LA RIVER





Social connectivity

I. Public Crossing the River

1. Bridges:

a. Big Dam Bridge

b. Reedy River-Greenville (multi-jurisdictional connectivity) 2. Ferries

a. Sanitation stations: restrooms, drinkable places

b. Cafes'

3. Gondolas

a. Colorado River

II. Bringing city to the river

a. Network

b. Crossing obstacles

Ecological Connectivity

a. Pros vs Cons



Thank you!