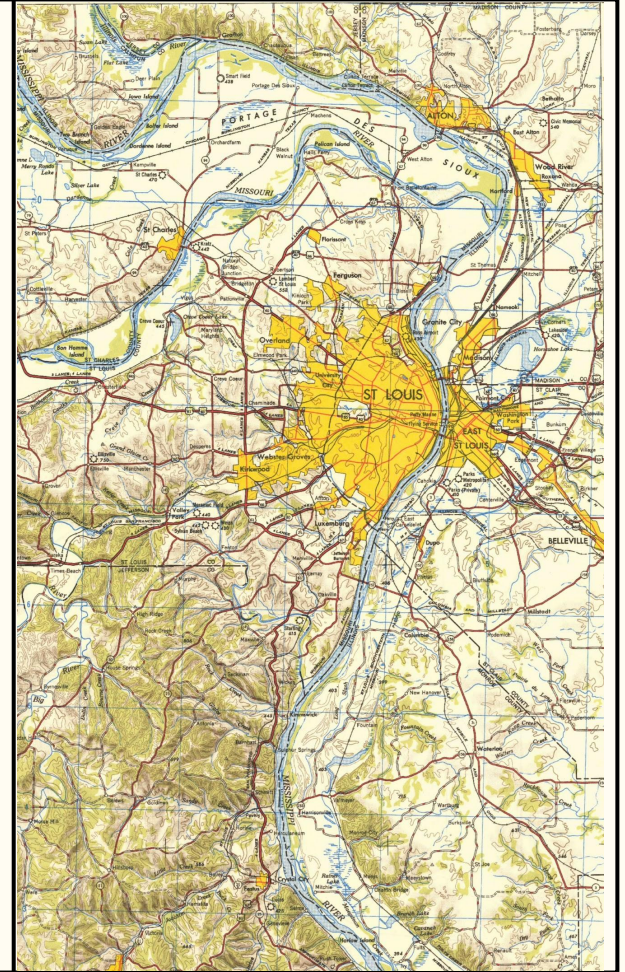


CODES Internship

By: SIUE CODES INTERNS



CODES

SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE

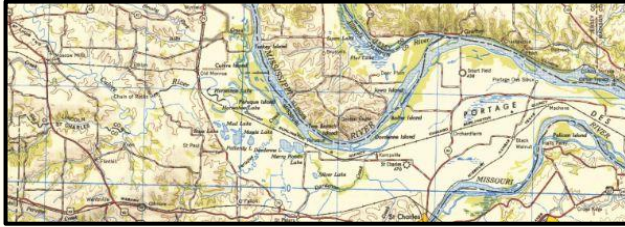
A New Academic Program at SIUE



| Summer

What Led us to NGRREC





4 Year Plan



Freshman Summer

Initiation into the NGRREC
Experience

Sophomore Summer

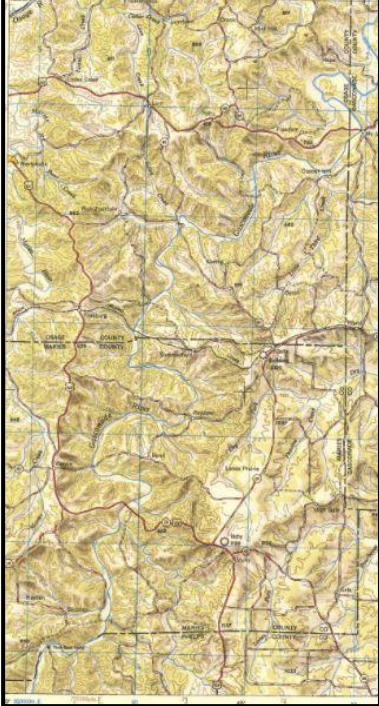
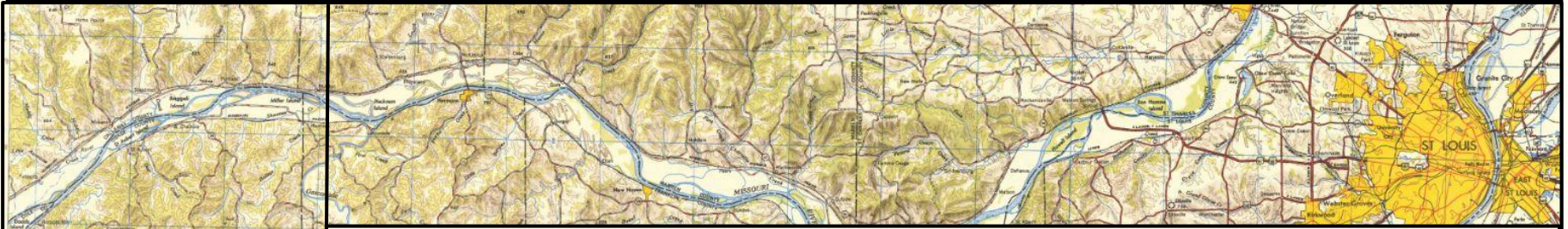
Community Science
Wetlands App

Junior Summer

Connecting with High School
Students
Community Service
Opportunities

Senior Summer

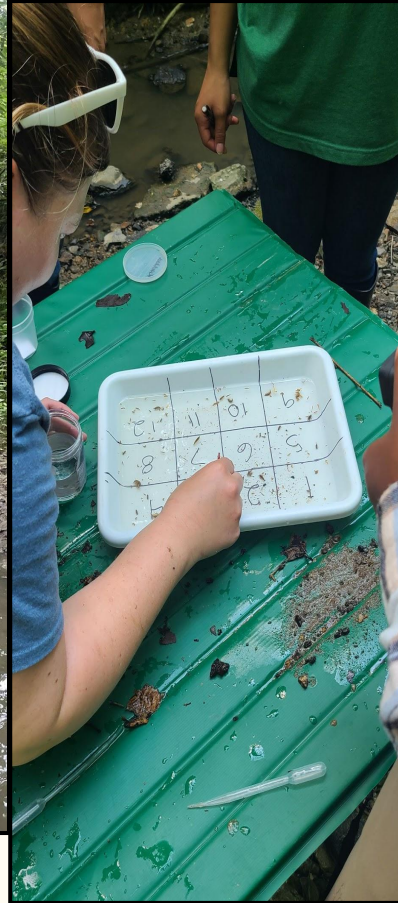
Microplastics
Connecting with Higher
Education



Our Experiences

| Riverwatch

Training at China Creek on
L&C Campus



| Paddlefest

At Audubon Migratory Bird
Sanctuary



| Waterschool

Assisting with Camp



Interns and TRIO at Columbia Bottom



| Emiquon

A Restored Wetland In
Havana, IL





| Wetlands

Experiencing Wetlands and
the Science behind them
with Dr. Jenny Mullikin

Fragile Forktail
(*Ischnura posita*)



Who Am I?

- My body varies from 0.8 to 1.1 inches

Where Can You Find Me?

- I can be found in ponds, swamps, streams and vernal pools with thick vegetations
- TX, OK, KS, NE, ND, MO, IA, MN

Identification

- I have a small size with shoulder stripes that are broken into a pair of dots and dashes similar to an exclamation mark
- Males are yellow-green marked with black
- Females are brown and become blue-gray

Months Active

J	F	M	A	M	J	J	A	S	O	N	D
				●	●	●	●				

Eastern Forktail
(*Ischnura verticalis*)



Who Am I?

- My body varies from 0.8 to 1.3 inches
- I have the longest flight season of any Wisconsin damselfly

Where Can You Find Me?

- I can be found at permanent still waters, including ponds, ditches, marsh bay, and steams.

Identification

- Males have a green thorax and black abdomen with a blue tip
- Before maturing females are orange with a black stripe and thin shoulder stripes. When the female matures she becomes a powdery blue.

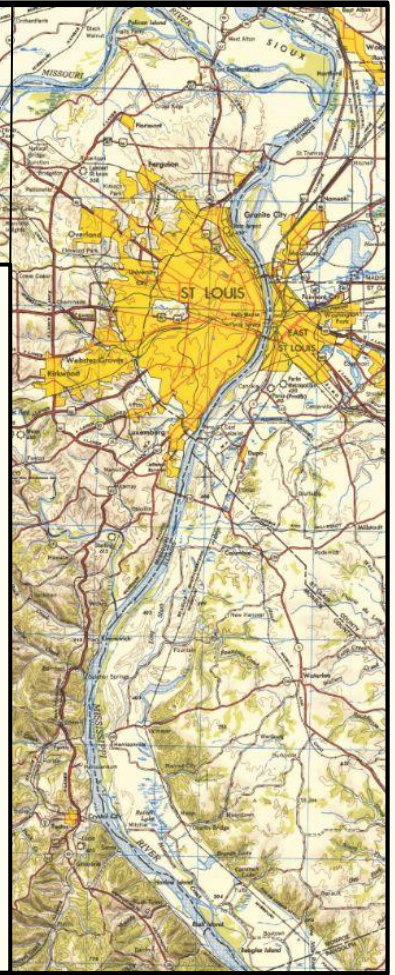
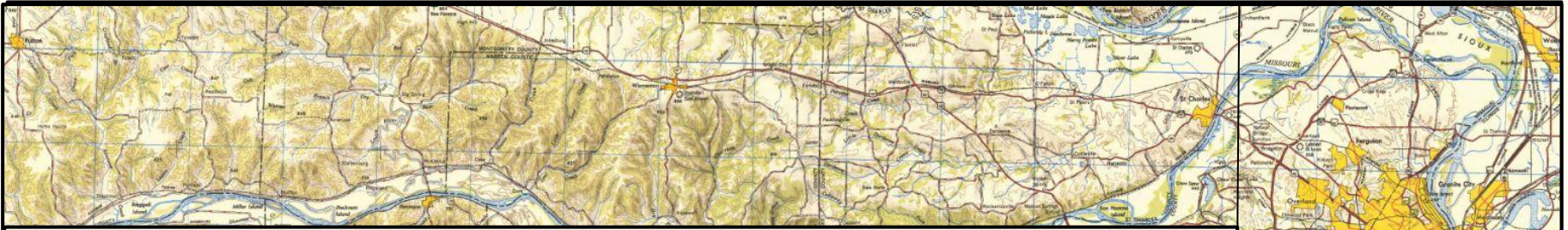
Months Active

J	F	M	A	M	J	J	A	S	O	N	D
					●	●	●	●			



| Odonates

Brainstorming a New
Community Science Project



The Virtual Tour



| Why Now?

What do we envision is the importance of a virtual NGRREC tour?

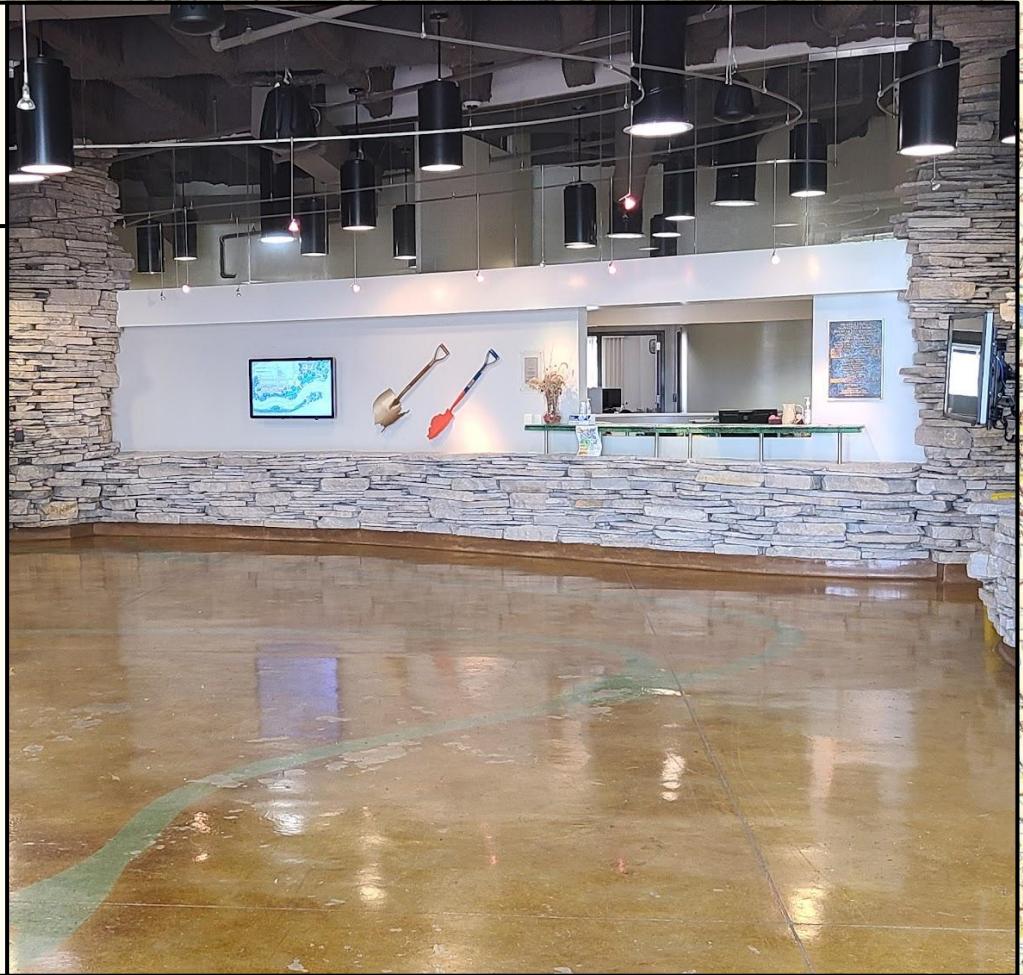
| Process

- Identifying key features
- Following education tours
- Designing a uniform intro and outro
- Storyboarding



The Lobby

- Introducing NGRREC
- Uniqueness of NGRREC
- Leed certification
- Noticeable LEED Features
 - Insulation
 - Limestone
 - Solar tubes
 - Green roof
- Dedication to the rivers



Lobby Storyboard

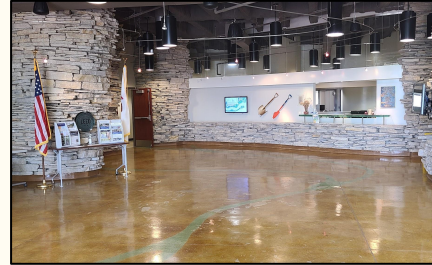
Opening/Intro



Entering NGRREC



Lobby



Lobby Art



Accurate River



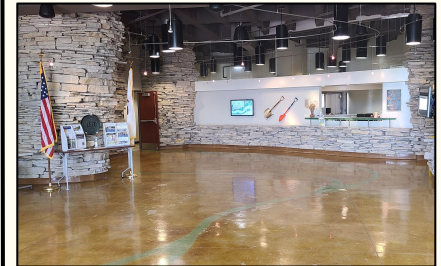
LEED Certification



LEED Features



Ending/Outro



Front Entry

- Four sections
- Focuses mainly on plants
- Rough video



Front Entry Storyboard

Front of
building/intro



Left side of front



Right side of front



Nature walk



Dragonfly Pond

- Introducing the Dragonfly pond
 - Wildlife
 - Fun fact
- Vegetation
 - seasonal plants
 - Annual plants
- Water Sustainability
 - Grey water
 - Rainwater



Dragonfly Pond Storyboard

Pond



Limestone



Vegetation



Water
Sustainability



Walking Up the Bluff

- Solar panels
- Ecosystem change up to the bluff
- Rainwater runoff
- Habitat the bluff provides



Walking up the Bluff Storyboard

Walkway



Solar Panel



Ecosystem
change in the
Bluffs



Habitat to
animals



Green Roof

“Illinois’s Hillside Prairie”

- Incorporate new drone footage
- “Close ups” of local flora/fauna
- Description of Solar Tubes and Stormwater drainage system
- “Ending it with a bang”



Green Roof Storyboard

Roof Entrance



The Roof (First Aerial Shot)



Solar Tubes



Stormwater System



Flora/Fauna



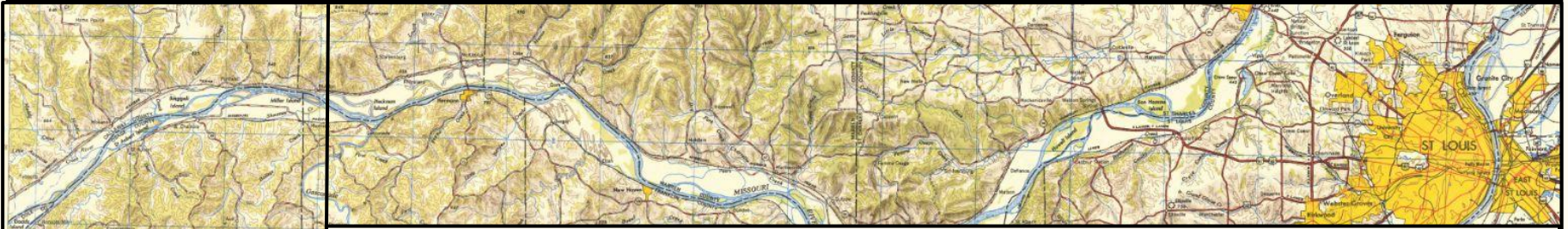
Final Aerial Shot



A topographic map of the St. Louis area, Missouri, showing the Mississippi River and surrounding terrain. A large white rectangular box is overlaid on the map, containing the word "Questions?" in a large, bold, black sans-serif font. To the right of the text, within the same white box, is a square QR code. The map background shows various geographical features, including the Mississippi River, the city of St. Louis, and surrounding counties like St. Louis, St. Charles, and Franklin.

Questions?





Renaming The Wetlands Initiative

Possible Names



- Saving Our Wetlands
- Aqua Sense
- Touching the Wetlands
- Working Our Wetlands
- Community Wetlands Engagement (CWE)
- Learning Our Wetlands
- Wetland Exploration, Teaching, Conservation, Outreach, and Research Project (W.E.T C.O.R.P)

S.O.W. Discover R.E.O

- Wetland
- Three main pillars
- Branding



Web Results

Saving Our Wetlands

- What You Can do to Protect Coastal Wetlands | US EPA
- 10 Things You Could Do To Help Our Wetlands
- 3 Ways to Save the Wetlands
- Saving the Nation's Wetlands
- Save The Wetlands | Possible Solutions to Save Wetlands - FOS (Friend of the Sea)

SOW

- Sow Definition
 - Plant a seed by scattering it on the earth
 - Plant a (piece of land) with seed
- What is sow in business?
- Sow management
- Is sow a pig?

Acronym Usage SOW

Statement of Work

A contract between employer and company outlining what is expected for a project

SOW

A female pig who has had a litter of piglets

Save Our World

An organization that raises awareness of global environmental issues

Shadow of War

A 2017 video game sometimes referred to as SOW by fans

Web Results

Discover Wetlands

- Name of curriculum
- Used in k-12 schools in Washington state

Discover REO

- Similar sounding names
- Discovery wetlands cruise
- Wetlands discovery program

Acronym Usage REO and DW

Real Estate Owned

Lender owned property not sold at foreclosure auction

Deutsche Welle

German news website

REO Speedwagon

Rock band

DW Bistro

Restaurant in Las Vegas

**What we have
produced so
far**

S.O.W. Discover R.E.O.

Public Name
Used at Events
Used for Branding

W.R.C.

Used for formal events
Grant writing
Conferences

W.R.C.
(Wetlands Research
Collaborative)



Web Results

Wetland Research Collaborative

- Wetland Restoration Research
- Wetlands Research Initiative

W.R.C.

- World Rally Championship
- Washington Rowing Club
- Wild Rose College

Acronym

Water Resilience Coalition

Aims to elevate action on mounting water stress and its connection to climate change to the top of global corporate agenda

Water Resources Control

The California State Water Resources Control Board's mission is to preserve, enhance, and restore the quality of California's water resources and drinking water

Women's Resources Center

The group supports women students while catalyzing the development of their personal and professional selves.

Worcester Rugby Club

A professional rugby union club, based in Worcester, England, that played in Premiership Rugby, the top division of domestic rugby.



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The National Great Rivers
Research & Education Center



THANK YOU

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by **Slidesgo**, including icons by **Flaticon**,
infographics & images by **Freepik**



A topographic map of the St. Louis region, Missouri, is shown in the background. The map features contour lines indicating elevation, major roads, and the Mississippi River. A large white rectangular box is superimposed over the center of the map, containing the word "Questions?" in a large, bold, black sans-serif font. The map shows the city of St. Louis and surrounding areas like Portage and Belleville.

Questions?

Citations

National Geologic Map Database. "St. Louis 1949 1:250,000." USGS Topoview, 1949, ngmdb.usgs.gov/topoview/viewer/#9/38.8771/-90.3529. Accessed 20 July 2023.

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