

Stream Ecology Workshop

Louisiana Master Naturalists of Greater Baton Rouge
February 25th, 2018 9 am – 3:00 pm
Facilitators: Alex (602-373-2764) and Mary

AGENDA:

Renewable Natural Resources Building, Louisiana State University, Rm 142

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|---------------------|--|
| 9:00 AM - 9:10 AM | Introductions and coffee |
| 9:10 AM – 10:00 AM | Freshwater Ecology Lecture (Dr. Mike Kaller) |
| 10:00 AM – 10:45 PM | Freshwater Invertebrates (Dr. Mike Kaller) |
| 10:45 AM – 12:00 PM | Fish Biology (Dr. Chris Green) |

Blackwater Conservation Area

- | | |
|---------------------|---------------------------------|
| 12:00 PM – 12:45 PM | Drive to field site, eat lunch |
| 12:45 PM – 2:30 PM | Pond and Stream Sampling |
| 2:30 PM – 3:00 PM | Riverine Turtles (Florence Wen) |

TO BRING:

- **Lunch** – We'll be eating at the park so please bring your lunch – the drive is about 25 minutes so there will not be much time to buy lunch along the way
- **Mug** or thermos, there will be coffee and tea provided in the morning
- **Waders, rubber boots, or shoes/clothes that can get wet.** We will be getting in the water so please come prepared.
- **Water and sunscreen**
- **A jar** -we will be sampling fish and invertebrates. It's easier to view your specimens if you have something to put them in. All specimens will be returned to the water after class.
- **Camera** - there will be many cool things to see.

PRE-READING MATERIAL:

Basic:

- Rivers and Streams: Life in Flowing Water.

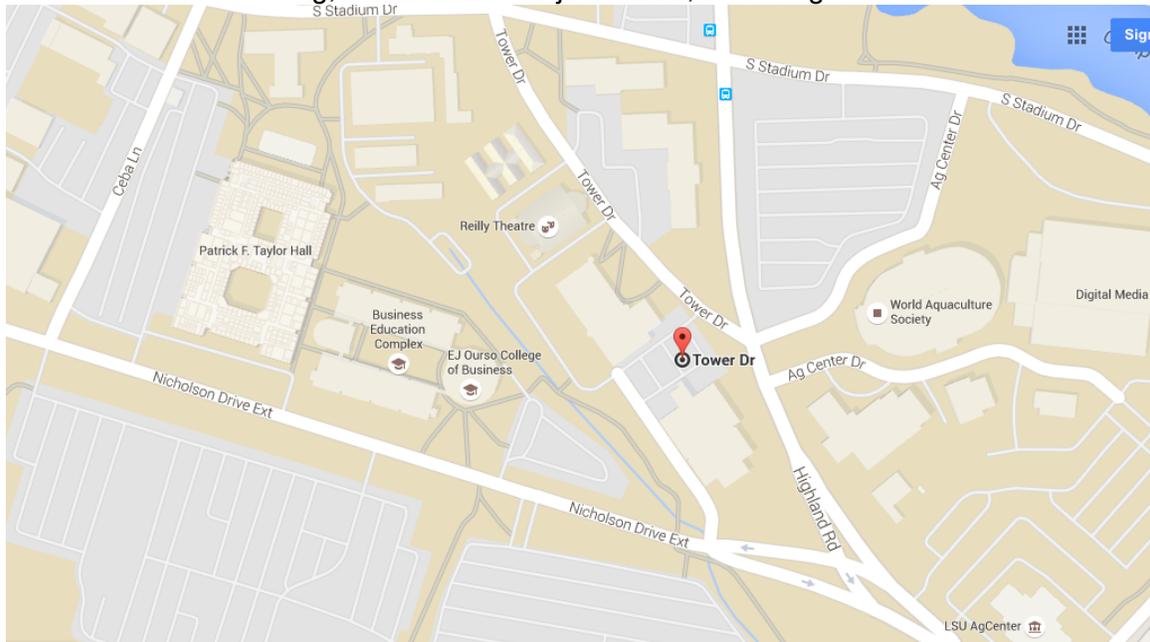
Advanced:

- The River Continuum Concept by Vannote et al. (1980)
- Freshwater Biodiversity Conservation by Strayer and Dudgeon (2010)

DIRECTIONS:

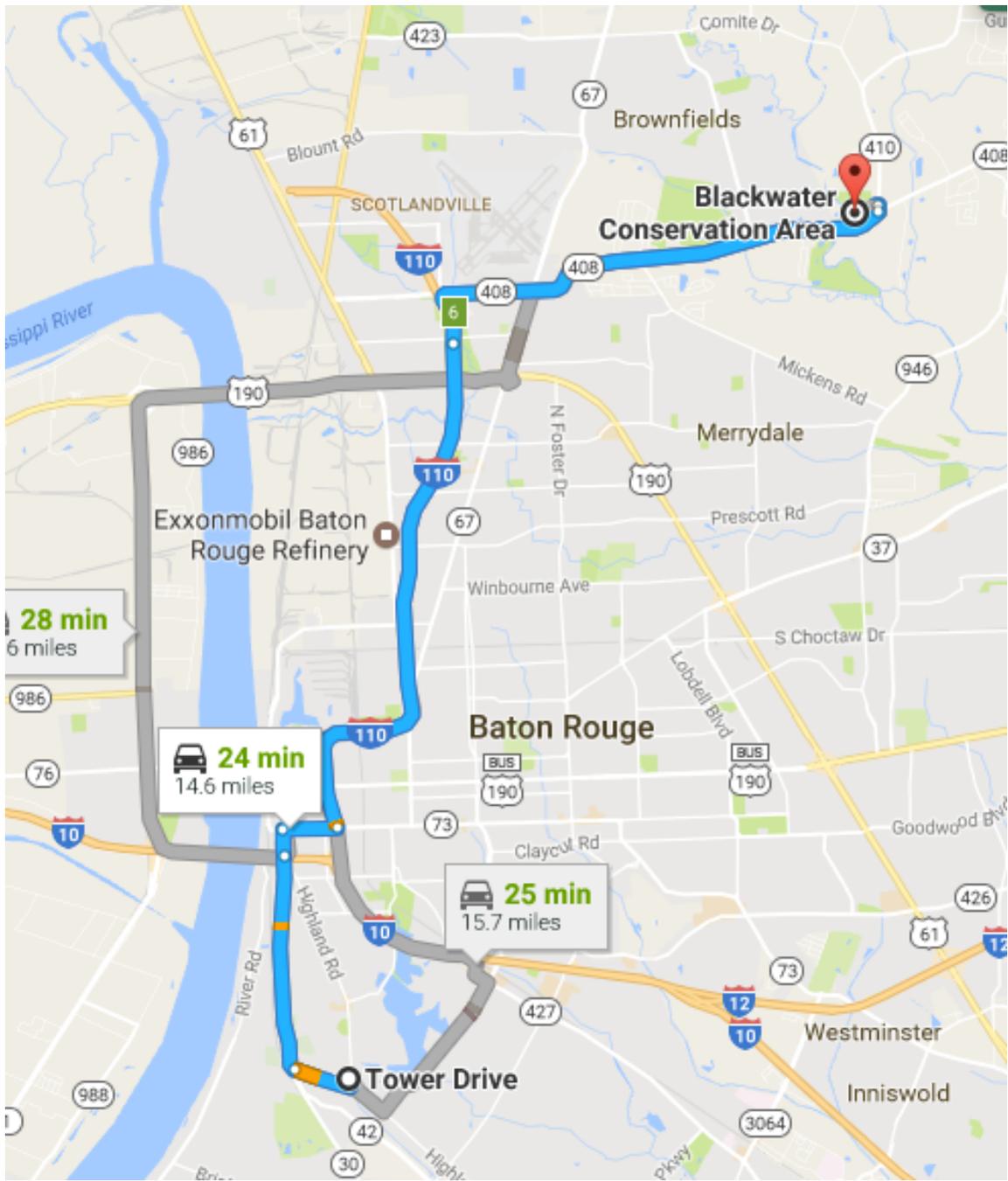
Renewable Natural Resources Building at LSU:

- Off of tower road, near the intersection with Highland.
- Parking is available in front of the building
- Enter the building, the room will be just inside, on the right



Directions to Blackwater Conservation Area (25 minute drive):

<https://goo.gl/maps/ibCMqa4vxwS2>



SPEAKERS:

Dr. Christopher Green is an Associate Professor in the School of Renewable Natural Resources and the LSU AgCenter's Aquaculture Research Station. He joined the faculty in 2008 after completing a Ph.D. in Zoology from Southern Illinois University. Prior to that he completed a M.S degree in Fisheries and Aquaculture Science at the University of Arkansas at Pine Bluff and B.S in Zoology from The University of Oklahoma. He teaches courses in Ichthyology, Fish Biology, and Principles of Aquaculture. A majority of Dr. Green's research is centered on fish and shellfish physiology. Many of his laboratory's projects explore how fish adjust to changes in temperature, salinity, and other environmental variables. The study of environmental toxicology within his physiology lab has examined the implications of small amounts of oil on fish reproduction and the fitness of resulting young.

Cody Godwin received his Bachelor's in Wildlife, Ecology, and Conservation from The University of Florida in 2013. As an undergrad he worked as a research assistant studying turtle populations in the Santa Fe River in northern Florida and worked as a research technician in South Africa, Swaziland and Gabon. After graduating he worked as a biologist with FWC studying upland snake species. Currently, he is working on his masters at Southeastern Louisiana University studying the impacts of ATVs and ORVs on softshell turtle nests.