

Advisors: Drs. Erin Grabarczyk & Mark Blackmore

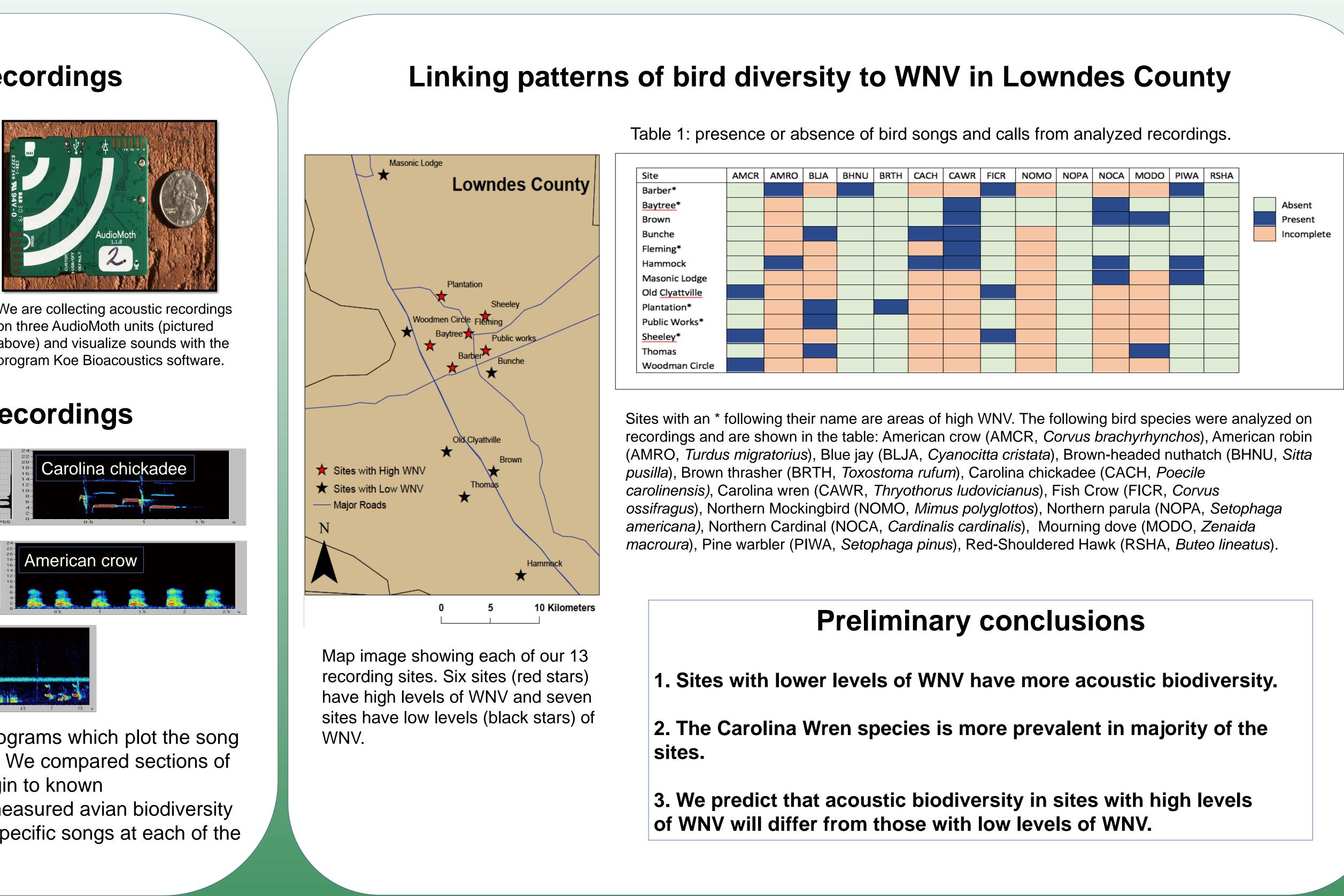
Biology Department, Valdosta State University

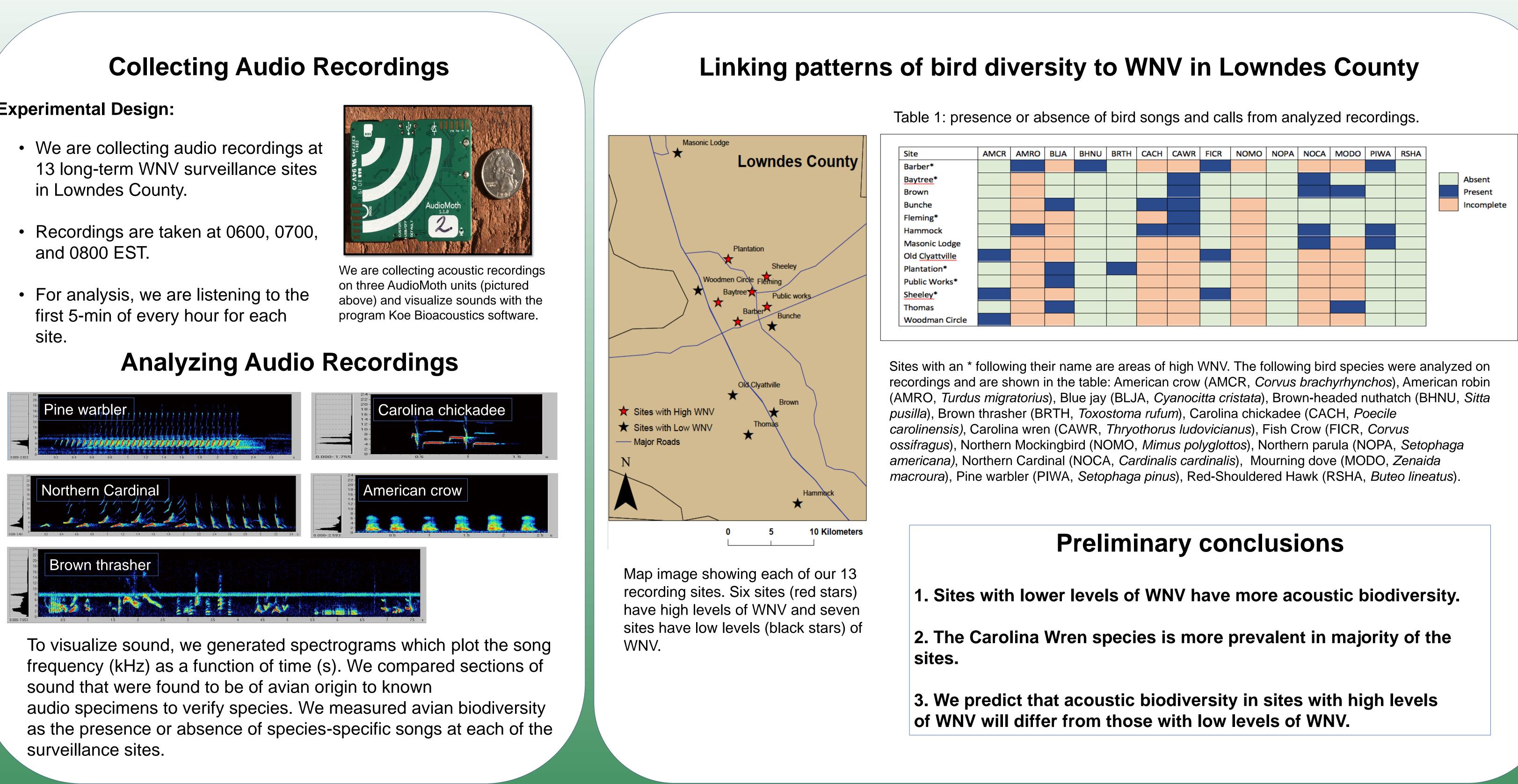
# Is there a correlation between avian populations and West Nile virus in Lowndes County, Georgia?

## Do certain species of birds cause high levels of WNV? Or do areas with more acoustic biodiversity have higher levels of WNV?

### **Experimental Design:**

- 13 long-term WNV surveillance sites in Lowndes County.
- and 0800 EST.
- first 5-min of every hour for each site.





**Next steps:** What bird species are the most common in areas with high WNV prevalence?

How does bird acoustic biodiversity change with season in Lowndes county?

As a research team, we would like to express our appreciation for the people that helped us get this project up and running. First and foremost, we would like to thank the families and businesses that have allowed us to record our data on their properties. The utmost thanks to Dr. Blackmore for his hard work and dedication to WNV research in Lowndes County for so many years. The main player of Dr. Blackmore's WNV research studies, Adam Slaton, who took the time to show us each and every site—thank you. We would like to Dr. Blackmore's lab group for sharing their WNV mosquito data with us so we could include that information on our poster.

### Assessing avifauna at West Nile virus surveillance sites Kelsey Griffin, Luis Tyson, Sarah Youngblood, Jayla Motley-Brown, Monica Jackson & Amber Holley

Are migrants or residents more common in areas with high WNV?

