

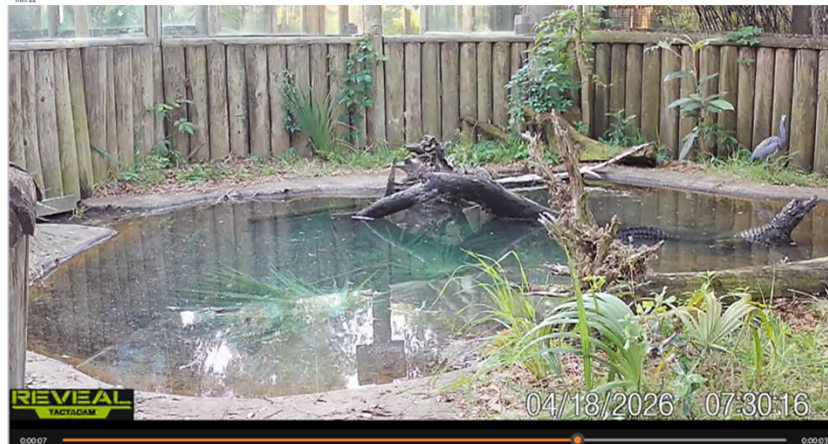
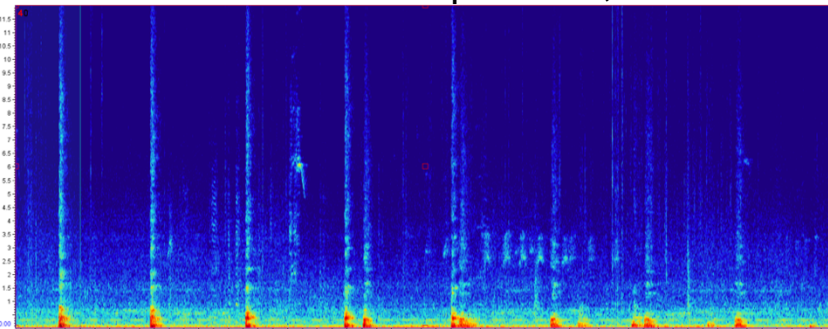


Automated detections of Crocodilians using the BirdNET algorithm.



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A. sinensis bellows 18 April 2026, 0730h



- Passive Acoustic Monitoring is a form of remote sensing that is increasingly useful to ecologists and land managers.
- Acoustic detections from long-term recordings are a cost-effective method to survey rare or elusive species
- Identifying species based on their vocalizations is facilitated by a library of sounds and a trained model; however, this does not exist for alligators, caiman, and crocodiles
- Cadets on this project will:
 - Deploy Automated recording Units for 2026-27*
 - Annotate crocodilian acoustic data from 2025-26
 - Train and evaluate a machine learning model

*pending funding for Spring Break trip