

## **Michigan Technological University**

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Kristin provided an update on follow-up research on the 2018 finding of red wolf ancestry in canids in TX. This research is in collaboration with Melissa Karlin at St. Mary's University and Bridgett vonHoldt at Princeton, along with many other people assisting with sample collection. Currently, we have a graduate student on Galveston Island systematically sampling the entire island for noninvasive fecal samples to estimate canid population size, genetic population structure across the island, and determine the amount of red wolf ancestry present. At the same time, we are opportunistically collecting tissue samples from roadkill, hunters, and trappers to conduct more comprehensively sequencing than is possible with scat. As an example, we recently collected 3 fresh roadkill from Galveston Island for which we have extensive morphological measurements. This opportunistic sampling for tissues covers a broader region and should provide more information on the extent of red wolf genes across the region.