Determination of Home Range and Dispersal Patterns of Lake Sturgeon Acipenser fulvescens) in the Upper Tennessee River System Using Acoustic Telemetry

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12:20 pm

Room 160 PBB

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Background: Lake Sturgeon (Acipenser fulvescens)

- Cartilaginous skeleton
- Shark-like heterocercal tail
 5 rows of scutes (2 belly, 1 dorsal, 2 on either side)
- Protractile sucker mouth with thick
- lips •4 barbels (whiskers) in front of mouth
- Coloration varies: Young: gray or brown with dark dorsal and lateral blotches. <u>Adults</u>: gray to yellowish green dorsally and white ventrally.

























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Future Research Plans

- Deploy more receivers in the listening array.
- Continue to collect monthly data from the receivers in the winter and fall seasons and then in the spring and summer collect bimonthly data to determine movement patterns and home range.
- After several months of data have been collected a habitat study will begin to determine habitat suitability
- Locate potential spawning grounds and monitor for Spring migration





