

# JUDSON M. CURTIS

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## A. Education

Ph.D. Marine Biology	Texas A&M University, 2014	Corpus Christi, TX
B.A. Biology	Clark University, 2006	Worcester, MA
B.A. Environmental Science & Policy	Clark University, 2006	Worcester, MA

## B. Employment History

<i>Assistant Research Scientist</i> , Harte Research Institute for Gulf of Mexico Studies, Texas A&M University-Corpus Christi	Sept. 2016 – <i>present</i>
<i>Adjunct Graduate Faculty</i> , Texas A&M University-Corpus Christi	Apr. 2016 – <i>present</i>
<i>Post-Doctoral Research Associate</i> , Harte Research Institute for Gulf of Mexico Studies, Texas A&M University-Corpus Christi	Aug. 2014 – Aug. 2016
<i>Graduate Research Assistant</i> , Texas A&M University-Corpus Christi	Sept. 2010 – Jul. 2014
<i>Graduate Teaching Assistant</i> , Texas A&M University-Corpus Christi	Sept. 2008 – Aug. 2010
<i>Research Associate</i> , Correlagen Diagnostics, Inc. Waltham, MA	Oct. 2006 – May 2008

## C. Selected Publications and Presentations

### (i) Scientific Publications and Technical Reports

- Stunz, G.W., and **J.M. Curtis** (2017) Techniques for minimizing discard mortality of Gulf of Mexico Red Snapper and validating survival with acoustic telemetry. NOAA Bycatch Reduction Engineering Program, final report, 69 pp.
- **Curtis, J.M.**, M.W. Johnson, S.L. Diamond, and G.W. Stunz (2015) Quantifying delayed mortality from barotrauma impairment in discarded Red Snapper using acoustic telemetry. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 7: 434-449
- **Curtis, J.M.**, M.W. Johnson, and G.W. Stunz. Hiding in plain sight? Tracking the Red Snapper spawning stock in the western Gulf of Mexico. (*in review*)
- Stunz, G.W., **J.M. Curtis**, J.J. Wetz (2016) South Texas Artificial Reef Monitoring - Fish Community Assessment Year 5. Annual Report to TPWD. 48 pp.
- Stunz, G.W., **J.M. Curtis**, M.W. Johnson, S.L. Diamond, K.L. Drumhiller (2014) Evaluating the effect of barotrauma on regulatory discards in the red snapper fishery using advanced acoustic telemetry and hyperbaric experimentation. NOAA-Marine Fisheries Initiative, final report 48 pp.
- **Curtis, J.M.**, G.W. Stunz, R.D. Overath, R.R. Vega (2014) Otolith chemistry can discriminate signatures of hatchery-reared and wild spotted seatrout. *Fisheries Research* 153: 31-40.

### (ii) Conference Presentations:

- **Curtis, J.M.** and G.W. Stunz (2017) Estimating discard mortality in a deep-water reef fish. American Fisheries Society 147<sup>th</sup> Annual Meeting. Tampa, FL.
- **Curtis, J.M.** and G.W. Stunz (2016) Techniques for minimizing discard mortality of Gulf of Mexico Red Snapper and validating survival with acoustic telemetry. NOAA Bycatch Reduction Engineering Program Annual Meeting. Woods Hole, MA.
- **Curtis, J.M.**, M.W. Johnson, S.L. Diamond, and G.W. Stunz (2015) Estimating Delayed Mortality of Discarded Red Snapper in the Gulf of Mexico with Acoustic Telemetry. American Fisheries Society 145<sup>th</sup> Annual Meeting. Portland. OR.

#### **D. Selected Extramural Funding (15 total awards; total \$2.0M)**

- 2018-2019 National Academy of Sciences (NAS), Gulf Research Program. Scientific Research Disaster Recovery Grant - \$49,657 (PI)
- 2018-2019 Harvey Weil Sportsman Conservationist Award. The impacts of Hurricane Harvey on Cedar Bayou: a post-disturbance assessment of sportfish use of essential fish habitat.- \$6,000 (PI)
- 2018-2020 Texas Sea Grant. Evaluating the relative habitat value of intertidal and subtidal oyster reefs to improve restoration methods - \$336,794 (Co-PI)
- 2017-2018 Texas Parks & Wildlife Foundation - A Post-Reefing Assessment of the Port O'Connor Nearshore Reef - \$34,255 (Co-PI)
- 2016-2018 National Fish and Wildlife Foundation - Electronic Monitoring and Reporting Program. Real-time data collection using the iSnapper smartphone platform for the Gulf of Mexico recreational fishery - \$482,259 (Co-PI)
- 2016-2017 NOAA Bycatch Reduction Engineering Program (BREP). Refining rapid recompression techniques in Gulf of Mexico Red Snapper using a unique acoustic telemetry approach - \$191,655 (Co-PI)
- 2016-2017 Mississippi-Alabama Sea Grant. An Experimental Design to Estimate Absolute Abundance of Red Snapper in the U.S. Gulf of Mexico - \$99,595 (Co-PI)
- 2015-2017 Texas Parks & Wildlife Department - Artificial Reef Program. South Texas Artificial Reef Research Program: Fish community assessment and reef site evaluations - \$617,030 (Co-PI)
- 2015-2016 National Fish and Wildlife Foundation - Fisheries Innovation Fund. Optimizing Rapid Recompression Strategies for Increasing Survival of Discarded Red Snapper in the Gulf of Mexico (TX) - \$209,326 (Co-PI)
- 2015-2016 Texas State Aquarium - Wildlife Care, Conservation, and Research Fund. Real-time, global tracking of Texas' apex predators - \$15,000 (Co-PI)
- 2015-2016 Harvey Weil Sportsman Conservationist Award. The impact of Cedar Bayou on sportfish: electronically tracking Spotted Seatrout in a recently opened tidal inlet - \$10,000 (Co-PI)

#### **E. Synergistic Activities**

- Gulf of Mexico Fishery Management Council Scientific and Statistical Committee Member: *Special Reef Fish, Special Red Drum*
- Scientific Referee for peer-reviewed publications: *Marine Ecology Progress Series, Fisheries Research, Transactions of the American Fisheries Society, North American Journal of Fisheries Management, Aqua Journal of Ichthyology*
- Grant Reviewer: *NOAA Sea Grant, NOAA Saltonstall-Kennedy, NOAA Cooperative Research, Sam Houston State University*
- Member: Integrated tracking of aquatic animals (ITAG), American Fisheries Society, Coastal Conservation Association, American Society of Ichthyology and Herpetology, Audubon Society
- Invited Speaker: *Texas State Aquarium, Audubon Outdoor Club, Texas Fly Fisherman Club, University of Texas Marine Science Institute, R/V Falkor Science at Sea*
- Guest Lecturer for Graduate Courses: *Marine Ecology, Fisheries, Restoration Ecology*

#### **F. Skills and Certifications**

- Statistical Analysis and Data Management: R, Primer7, JMP, SigmaPlot, ArcGIS
- Microsoft office suite: Word, Excel, Access, Powerpoint
- AAUS Scientific Diver, PADI Enriched air scuba diver
- Micro-ROV pilot and operator certification (VideoRay)
- High resolution multibeam and side-scan data acquisition and processing with SIS and CARIS