

CURRICULUM VITAE

MEGAN M. REESE

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Education:	Degree:	Year:	Major:	GPA:
St. Cloud State University	B.S	2004	Biology	3.51
Texas A&M University – Corpus Christi	M.S.	2006	Biology	4.00

Present Position:

2007 – present *Fisheries Research Coordinator*, Texas A&M University – Corpus Christi

Duties and accomplishments:

I manage operations of the Fisheries Ecology Lab at Texas A&M University-Corpus Christi by supervising and training undergraduates in the field and laboratory techniques, maintain field sampling equipment and boat/trailer, complete all supply/equipment ordering, conduct field fisheries research, collection of data, sorting and identifying of samples, otolith analysis, data entry and advanced statistical analysis, preparation of reports and peer-reviewed manuscripts.

2007 – present *Adjunct Faculty*, Texas A&M University – Corpus Christi

Professional Background:

2005 – 2006 Graduate Research Assistant, Texas A&M University-Corpus Christi, Texas
2006 Youth Adventure Program Marine Biology Coordinator, Texas A&M University, Corpus Christi, Texas
2005-2008 National Science Foundation Assistant, Texas A&M University-Corpus Christi, Texas.
2005 Youth Adventure Program Counselor, Texas A&M University, Corpus Christi, Texas
2004-2005 Teaching Assistant for Introduction to Biology, College of Science and Technology, Texas A&M University-Corpus Christi, Texas.
2003 National Science Foundation REU Intern, Texas A&M University-Corpus Christi, Texas. Mentor: Dr. Greg Stunz

Publications:

Publications in National and International Journals:

Reese, M.M., G.W. Stunz, and A.M. Bushon. 2008. Recruitment of estuarine-dependent nekton through a new tidal inlet: the opening of Packery Channel in Corpus Christi, TX, USA. *Estuaries and Coasts* 31:1143-1157.

Bushon, A.M., G.W. Stunz, and **M. M. Reese**. 2006. An Evaluation of marking juvenile red drum with visible implant elastomer. *North American Journal of Fisheries Management* 27:460-464.

Manuscripts in Preparation:

Reese, M.M., G.W. Stunz, and J. Simons. 2009. Subtidal oyster reef as nekton habitat in Matagorda Bay, Texas. *Journal of Shellfish Research*

Bushon, A., G.W. Stunz, **M.M. Reese**. 2009. Recruitment, spatial distribution, and fine-scale movement patterns of red drum (*Sciaenops ocellatus*) through major and shallow passes in Texas. *Fisheries Management and Ecology*

Stunz, G.W., A.B. Bushon, **M.M. Reese**. 2009. Early life history of red drum. *Marine Fisheries Review* (Review paper invited by Journal Editor, R. Stickney)

Technical Reports:

Reese M.M., J.L. Wrast, G.W. Stunz, and J. Simons. 2009. Characterizing oyster reefs in Lavaca Bay. Final Report to State Wildlife Grants Program Texas. Submitted Feb. 9, 2009.

Stunz G.W. and **M.M. Reese**. 2008. Impacts of a new tidal inlet on estuarine nekton: Fisheries recruitment assessment of Packery Channel post-opening in Corpus Christi, Texas. Final Report to Coastal Bend Bays and Estuaries Program. Submitted Dec 18, 2008.

Stunz G.W., **M.M. Reese**, A.M. Bushon. 2006. Impacts of a new tidal inlet on estuarine nekton: The opening of Packery Channel in Corpus Christi, Texas. Final Report to Coastal Bend Bays and Estuaries Program. Submitted Aug. 17, 2006.

Research Grants:

2009-2010 Habitat use of spotted seatrout in Texas coastal waters: using ultrasonic acoustic telemetry to determine movement patterns of this important recreational fishery. **Harvey Weil Sportsman Conservationist Award Trust.** G. Stunz (PI) and M. Reese (Co-PI) - \$10,000

- 2008-2009 Tracking apex predators in the Gulf of Mexico: movement and habitat use of coastal sharks. **Texas Research Development Fund.** G. Stunz (PI), M. Reese (Co-PI), and J. Froeschke - \$30,000
- 2007-2008 Effects of hypoxia on estuarine fishes in their nursery habitats. **Texas Research Development Fund.** G. Stunz (PI), M. Reese (Co-PI) - \$35,000
- 2007-2008 Closure of the Port Mansfield Channel: Impacts to recreational fisheries in the Laguna Madre, Texas. **Coastal Conservation Association.** G. Stunz (PI), M. Reese (Co-PI) - \$32,000

Journal Reviewer:

2006 – Present American Midland Naturalist

Thesis Title:

2004-2006 The impact of a new tidal inlet on estuarine nekton: the opening of Packery Channel in Corpus Christi, Texas

Abstracts, Proceedings, and Conference Publications/Presentations:

* Best Paper Presentation

*Carrillo, M., G. Stunz, **M. Reese**, and J. Froeschke. 2009. The closing of Port Mansfield Channel and its impact on recreational fisheries in the Laguna Madre, TX. 2009 Annual TAMUS Louis Stokes Alliances for Minority Participation (LSAMP) Symposium. Corpus Christi, TX

Reese, M., G. Stunz, and M. Lopez. 2009. Density-dependent growth of red drum (*Sciaenops ocellatus*) in subtropical Texas estuaries. Benthic Ecology Meeting. Corpus Christi, TX

Brewton, R., G. Stunz, **M. Reese**, and I. Dominguez. 2008. The role of intertidal and subtidal oyster reefs as habitat in estuarine ecosystems. Society for the Advancement of Chicanos and Native Americans in Science National Conference. Salt Lake City, UT

Brewton, R., G. Stunz, **M. Reese**, and I. Dominguez. 2008. The role of intertidal oyster reefs as habitat in estuarine ecosystems. Eighth Annual Undergraduate Research Symposium, Texas A&M-Corpus Christi, TX

Brewton, R., G. Stunz, I. Dominguez, and **M. Reese**. 2008. The role of intertidal oyster reefs as habitat in estuarine ecosystems. Summer Undergraduate Research Focus, NSF Research Experience for Undergraduates. Corpus Christi, TX

- Carrillo, M., G. Stunz, **M. Reese**, and J. Froeschke. 2008. The closing of Port Mansfield Channel and its impact on recreational fisheries in the Laguna Madre, TX. Eighth Annual Undergraduate Research Symposium, Texas A&M-Corpus Christi, TX
- Carrillo, M., G. Stunz, **M. Reese**, and J. Froeschke. 2008. The closing of Port Mansfield Channel and its impact on recreational fisheries in the Laguna Madre, TX. Society for the Advancement of Chicanos and Native Americans in Science National Conference. Salt Lake City, UT
- Carrillo, M., G. Stunz, **M. Reese**, J. Froeschke. 2008. The closing of Port Mansfield Channel and its impact on recreational fisheries in the Laguna Madre, TX. 2008 Annual TAMUS LSAMP Symposium. Houston, TX.
- Lee, C., G. Stunz, J. Froeschke, and **M. Reese**. 2008. Historical population trends of fisheries in the western Gulf of Mexico from 1940-2007. Society for the Advancement of Chicanos and Native Americans in Science National Conference. Salt Lake City, UT
- *Lee, C., G. Stunz, J. Froeschke, and **M. Reese**. 2008. Historical population trends of fisheries in the western Gulf of Mexico from 1940-2007. Eighth Annual Undergraduate Research Symposium, Texas A&M-Corpus Christi, TX
- Lee, C., G. Stunz, J. Froeschke, and **M. Reese**. 2008. Historical population trends of fisheries in the western Gulf of Mexico from 1940-2007. Summer Undergraduate Research Focus, NSF Research Experience for Undergraduates. Corpus Christi, TX
- *Lopez, M., **M. Reese**, and G. Stunz. 2008. Density-dependent growth of red drum (*Sciaenops ocellatus*) in subtropical Texas estuaries. Eighth Annual Undergraduate Research Symposium, Texas A&M-Corpus Christi, TX
- Lopez, M., **M. Reese**, and G. Stunz. 2008. Density-dependent growth of red drum (*Sciaenops ocellatus*) in subtropical Texas estuaries. Society for the Advancement of Chicanos and Native Americans in Science National Conference. Salt Lake City, UT
- Reese, M.**, G. Stunz, and J. Simons. 2008. Subtidal oyster reef as nekton habitat in Matagorda Bay, Texas. Texas Bays and Estuaries Meeting. Port Aransas, TX
- Reese, M.**, G. Stunz, A. Bushon. 2007. Recruitment of estuarine-dependent species through a new tidal inlet: the opening of Packery Channel in Corpus Christi, Texas. Estuarine Research Federation. Providence, RI.
- *Bayer, S., G. Stunz, **M. Reese**, A. Bushon. 2006. Impacts of a new ideal inlet on estuarine nekton: the opening of Packery Channel in Corpus Christi, Texas. Society for the Advancement of Chicanos and Native Americans in Science. Tampa, FL.

- *Bayer, S., G. Stunz, **M. Reese**, A. Bushon. 2006. Impacts of a new ideal inlet on estuarine nekton: the opening of Packery Channel in Corpus Christi, Texas. Ocean Science Meeting (ASLO, AGU, TOS), Honolulu, HI.
- Bushon, A., G. Stunz, and **M. Reese**. 2006. Recruitment, spatial distribution, and fine-scale movement patterns of red drum (*Sciaenops ocellatus*) through major and shallow passes in Texas. Texas Bays and Estuaries Meeting, Port Aransas, TX.
- Bushon, A., G. Stunz, and **M. Reese**. 2006. Recruitment, spatial distribution, and fine-scale movement patterns of red drum (*Sciaenops ocellatus*) through major and shallow passes in Texas. Southern Division American Fisheries Society. San Antonio, TX.
- Bushon, A., G. Stunz, and **M. Reese**. 2006. Recruitment, spatial distribution, and fine-scale movement patterns of red drum (*Sciaenops ocellatus*) through major and shallow passes in Texas. Dauphin Island Sea Lab Graduate Student Symposium. Dauphin Island, AL.
- Cardona, A., G. Stunz, A. Bushon, **M. Reese**. 2006. Recruitment of an estuarine dependent fish from varying distances from a tidal inlet. Ocean Science Meeting (ASLO, AGU, TOS), Honolulu, HI.
- Reese, M.**, G. Stunz, A. Bushon. 2006. Impacts of a new ideal inlet on estuarine nekton: the opening of Packery Channel in Corpus Christi, Texas. Texas Bays and Estuaries Meeting, Port Aransas, TX.
- Reese, M.**, G. Stunz, A. Bushon. 2006. Impacts of a new ideal inlet on estuarine nekton: the opening of Packery Channel in Corpus Christi, Texas. Southern Division American Fisheries Society, San Antonio, TX.
- Reese, M.**, G. Stunz, A. Bushon. 2006. Impacts of a new ideal inlet on estuarine nekton: the opening of Packery Channel in Corpus Christi, Texas. Graduate Student Symposium Dauphin Island Sea Lab. Dauphin Island, AL.
- Reese, M.**, M. Julius, P. Gelhaus. 2004. The effects of varying doses of estradiol on *Cyclotella meneghiniana*, a common planktonic diatom. Society of Environmental Toxicology and Chemistry Regional Conference. La Crosse, WI.
- Reese, M.**, G. Stunz. 2003. Effects of propellar scarring on seagrass associated fauna. Summer Undergraduate Research Focus, NSF Research Experience for Undergraduates. Corpus Christi, TX.

Research Experience:

- Evaluation of surgery procedures for ultrasonic telemetry transmitter implantation in spotted seatrout (*Cynoscion nebulosus*)
- Density independent factors influencing growth of red drum (*Sciaenops ocellatus*) in subtropical Texas estuaries
- Black mangrove (*Avicennia germinans*) community structure, growth and recruitment, along the south Texas coast
- Access to estuarine nursery habitat: recruitment dynamics of nekton through tidal inlets
- Life history and habitat use of southern flounder (*Paralichthys lethostigma*) in south Texas estuaries
- Oyster reef as essential fish habitat
- Estimating Dungeness crab (*Cancer magister*) abundance in Glacier Bay National Park, Alaska
- Recruitment of bay scallops (*Argopecten irradians*) in the Laguna Madre, TX
- Recruitment, spatial distribution, and fine-scale movement patterns of red drum (*Sciaenops ocellatus*) through tidal inlets in Texas
- Physiological stress of spotted seatrout (*Cynoscion nebulosus*) following hook-and-line capture
- Habitat use patterns of newly-settled spotted seatrout (*Cynoscion nebulosus*) in Gulf coast estuaries
- Characterization of a patch reef community, Sian Ka'an Biosphere Reserve, Quintana Roo, Mexico
- Catch and release mortality of spotted seatrout (*Cynoscion nebulosus*)
- Effects of propeller scarring on seagrass-associated fauna

Teaching Experience (Evaluation Average 4.54/5.0; College Mean 4.27):

Undergraduate Courses:

Professional Skills - Texas A&M University-Corpus Christi - 1 Section

Undergraduate Labs:

Fisheries Management – Texas A&M University-Corpus Christi - 1 Section

Introduction to Biology – Texas A&M University-Corpus Christi - 6 Sections

Professional Skills

SCUBA Certification

Extensive research field experience*

Operated and maintained boats, motors, and trailers

Proficient with sample techniques/devices: epibenthic sled, trawl, drop sampler, cast net, fish tagging (visible implant elastomer and Floy tags), gill nets, otolith microstructure analyses

*Details available upon request

Extensive Communication Skills

Presented at numerous professional conferences and published results in technical reports and peer-reviewed journals.

Computer Skills

Experience with all popular computer programs including most statistical software packages (e.g. Sigma Stat, Sigma Plot, StatView)

Extensive laboratory techniques

RNA and DNA extraction, quantification of PCR product, and sequencing experience using CEQ 8000

Awards:

- 2005-2006 Coastal Conservation Association Graduate Scholarship Recipient (\$2500/year)
- 2005 TAMU-CC Science & Technology Graduate Scholarship (\$500)
TAMU-CC Caribbean Connection Scholarship (\$400)
- 2004 TAMU-CC Graduate Research Mini-Assistantship (\$2000)
TAMU-CC Suter Endowed Scholarship (\$400)
TAMUCC Hildebrand Endowed Memorial Scholarship (\$400)
St. Cloud State Denise McGuire Research Scholarship
Sigma Xi Grants-in-Aid-of-Research (\$400)

Honors:

- 2005-2006 Elected President of TAMU-CC Student Affiliate Sigma Xi Research Honor Society
- 2004 Elected President-elect of TAMU-CC Student Affiliate Sigma Xi Research Honor Society
Sigma Xi Research Honor Society Inductee
- 2003 National Science Foundation Research Experience for Undergraduates (NSF-REU) Recipient, TAMU-CC

Professional Organizations:

- 2007-present Coastal Estuarine Research Foundation
- 2006-present American Fisheries Society
- 2006-present Coastal Conservation Association

2005-present Texas Academy of Science

2004-present Sigma Xi Scientific Research Society

Volunteer Experience:

- 2008 Coastal Bend Science Fair Judge – Texas A&M University-Corpus Christi. Judged 1st grade science fair projects.
- 2008 T-STEM Session Leader – Harte Research Institute at Texas A&M University-Corpus Christi. Taught marine biology concepts to middle school and high school students.
- 2007 T-STEM Session Leader – Harte Research Institute at Texas A&M University-Corpus Christi. Taught marine biology concepts to middle school and high school students.
- 2006 Coastal Bend Science Fair Judge – Texas A&M University-Corpus Christi. Judged 4th grade science fair projects.
- 2005 Coastal Bend Science Fair Judge – Texas A&M University-Corpus Christi. Judged 6th – 8th grade science fair projects.
- 2005 Science Rules! Expo – Corpus Christi, Texas. Taught middle school children about science using various activities.
- 2004 Brain's Rule Expo – Corpus Christi, Texas. Taught middle school children about the brain using various activities.

References:

Dr. Greg Stunz
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