

**KIM WITHERS**  
Department of Life Sciences  
Texas A&M University -- Corpus Christi  
6300 Ocean Drive  
Corpus Christi, Texas 78412

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**EDUCATION:**

Ph.D. 1994 Texas A&M University, College Station, Texas. Wildlife and Fisheries Sciences. Dissertation: "The Relationship of Macrofaunal Prey Availability to Shorebird Use of Blue-Green Algal Flats in the Upper Laguna Madre."

M.S. 1989 Northern Arizona University, Flagstaff, Arizona. Quaternary Studies. Thesis: "Late Quaternary Vegetation and Climate of Forty-Mile Canyon and Willow Gulch, in the Central Colorado Plateau."

B.S. 1985 Corpus Christi State University, Corpus Christi, Texas. Biology with Geology minor.

**CURRENT POSITION**

September 2020 – present - Associate Professor of Biology and BS Biology Program Coordinator, MS Biology Program Coordinator, MS Fisheries and Mariculture Program Coordinator, Department of Life Sciences, Texas A&M University-Corpus Christi

- Coordinate the Bachelor's Degree Program in Biology, Master's Degree Program in Biology, and Master's Degree Program in Fisheries and Mariculture
- Direct and conduct research in coastal ecosystems, with emphasis on faunal dynamics of seagrasses, wind-tidal flats and mangroves and its relationship to biotic and abiotic factors.
- Write proposals for external funding.
- Direct graduate research as chair or co-chair of graduate advisory committees (67 GACs chaired).
- Support graduate programs as member of graduate advisory committees (member on 51+ GACs)
- Participate in graduate programs in PENS and LSCI
- Teach undergraduate and graduate courses in biology

**Courses Taught at Texas A&M University-Corpus Christi**

- Current/Ongoing Teaching Assignment
  - BIOL 4444/5415/MARB 6444 – Biology of Estuarine Organisms (Spring, since 1996)
  - BIOL 3414 – Vertebrate Zoology (Fall, since 2014)
  - BIOL 4411/5411 – Animal Behavior (Spring, since 2015)
  - BIOL 4425/5425 – Ornithology (Fall, since 2015)
  - BIOL 4410/5410 – Mammalogy (Fall, since 2016)
- Past Teaching Assignments
  - Tropical Ecology (2012-2014)
  - Environmental Biology (2012)
  - Environmental Science Graduate Seminar (various)
  - Professional Skills for Scientists (2005-2011)
  - Issues in Environmental Science (2011)
  - Introduction to Environmental Science (numerous falls and summers)
  - Environmental Science II: Systems and Applications (numerous springs and summers)
  - Advanced Environmental Biology (2000)
  - Shorebird Ecology & Management (1998)
  - Principles of Zoology (1995-1998)

## PREVIOUS POSITION:

September 2020-December 2021 – Interim Director, Center for Coastal Studies, College of Science and Engineering  
September 2014-August 2020– Assistant Professor and BS Biology Program Coordinator, Department of Life Sciences, Research Associate, Center for Coastal Studies, Texas A&M University-Corpus Christi (also coordinated MS BIOL through 2018)  
September 2013-August 2014 – Professional Associate Professor and MS Biology Program Coordinator, Department of Life Sciences, Texas A&M University-Corpus Christi  
September 2012 – August 2013 – Professional Associate Professor and Assistant to the Chair, Department of Life Sciences, Texas A&M University-Corpus Christi  
May 1995 – August 2012. Associate Research Scientist and Technical Reports Editor, Center for Coastal Studies, and Adjunct Professor of Biology and Environmental Science, Member of Graduate Faculty and CMSS Ph.D. Faculty, Texas A&M University-Corpus Christi. Graduate committees: Research advisor – 30; Member – 21.  
August 1994 - May 1995 – Assistant Professor, Department of Ecology and Evolutionary Biology, University of West Florida, Pensacola, Florida. Classes: Wetland Ecology, Ornithology, Coastal Plant Communities, Plant Evolution and Taxonomy, Zoogeography. Graduate Committees: Chair (1).

## PEER-REVIEWED PUBLICATIONS (\* denotes student authors):

\*McClendon, B., **K. Withers**, J. Scarpa, K. Fitzsimmons. *In prep.* Origins of soft-shell crabs served by restaurants in the United States. *Aquaculture Economics and Management*

Preuss, M. D., Avila, J. A., Butler-Purry, K. L., Walton, S., Myint, A., Alves, M. C., Walewski, J., Medina-Cetina, Z., **Withers, K.**, Bahr, K. D., Sentz, S., and Szczerbinska, B. 2023. Case study: International summer research experiences sponsored by TAMUS LSAMP. Conference paper #37386. ASEE 2023 Annual Conference and Exposition, Baltimore, MD.

Merriweather, S., M. Preuss, J. Avila, K. Butler-Purry, S. Walton, M. Alves, A. Myint, K. Bahr, **K. Withers**, H. Zhang, J. Hogan, B. Szczerbinska, and S. Garcia. 2022. Designing international research experiences to engage underrepresented minority undergraduates and introduce them to graduate school. ASEE 2022 Annual Conference, Paper ID# 37291. Permanent URL: <https://peer.asee.org/41143>.

Harwell, M., J. Gentile, L. D. McKinney, J. W. Tunnell, Jr., J. Dennison, R. W. R. Kelsey, Stanzel, K. G. Stunz, **K. Withers**, J. Tunnell. 2019. Conceptual framework for assessing the ecosystem health of the Gulf of Mexico. *Integrated Environmental Assessment and Management* 15: 544-564.

\*Schoech, L., R. \*R. Fern, **K. Withers**, and P. Zimba. 2018. Scope for growth of Texas bay scallop *Argopecten irradians amplicostatus*. *Journal of Applied Aquaculture* 31(2): 140-152.

\*Fern, R.R., **Withers, K.** and Schoech, L.A., 2016. Reproductive success of nesting terns on the central Texas coast. *Regional Studies in Marine Science* 8: 14-19.

Zimba, P. V., E. M. Hill, and **K. Withers**. 2016. Benthic microalgae serve as the major food resource for porcelain crabs (*Petrolisthes* spp.) in oyster reefs: digestive tract content and pigment evidence. *Journal of Experimental Marine Biology and Ecology* 483: 53-58.

Baxter, A. S., E. M. Hill, and **K. Withers**. 2013 (published 2016). Texas diamondback terrapin (*Malaclemys terrapin littoralis*) in Nueces Estuary, Texas. *Texas Journal of Science* 65 (3):51-63.

**Withers, K.** and A. Baxter. 2015. Documentation of a Plain Chachalaca in Nueces Bay, Nueces County, Texas. *Bulletin of the Texas Ornithological Society* 48(1-2): 37-40.

\*Fern, R., **K. Withers**, P. Zimba, T. Wood, and L. Schoech. 2015. Toxicity of three dispersants alone and in combination with crude oil in blue crab *Callinectes sapidus* megalopae. *Southeastern Naturalist* 14 (4): G82-G92.

\*Lawrence, J. and **K. Withers**. 2015. Composition and distribution of marine debris along three jetties in Corpus Christi, Texas. *Shore and Beach* 83(4): 29-34.

\*Ubias, R.R., **K. Withers**, and G. Hickman. 2013. Nesting characteristics of the Texas Seaside Sparrow (*Ammodramus maritimus sennetti*) on Mustang Island, Texas. *Southwestern Naturalist* 58:488-492.

Arias, E., H. Bonilla Reyes, E. Chávez, D. Fenner, R. Garza, R. Gomez-Lozano, M. Hardt, R. Iglesias, E. Jordán Dahlgren, M. McField, G. Paredes, R. Rodríguez-Martinez, P. Sanchez-Naverro, B. Steneck, W. Tunnell, **K. Withers**, AGRAA, CARICOMP, and Reef Check. 2013. Mexico. Pages 198-203 in J. Jackson, M. Donovan, K. Cramer, and V. Lam (eds.) *Status and Trends of Caribbean Coral Reefs: 1970-2012*. Washington, D.C.: Global Coral Reef Monitoring Network and International Union for the Conservation of Nature.

Miller, K.S., E. M. McCarthy, M. C. Woodin, and **K. Withers**. 2013. Nest success and reproductive ecology of the Texas Botteri's Sparrow (*Peucaea botterii texana*) in exotic and native grasses. *Southeastern Naturalist* 12: 387-398.

\*McGlaun, K. and **K. Withers**. 2012. Metabolism, consumption rates, and scope for growth of porcelain crab (*Petrolithes galathinus*). *Gulf of Mexico Science* 30: 1-6.

Williamson, E., K.B. Strychar, and **K. Withers**. 2011. Populations of the gorgonian genus *Leptogorgia* at two jetties in the northwestern Gulf of Mexico. *Gulf of Mexico Science* 29: 126-130.

Williamson, E., K.B. Strychar, **K. Withers**, B. Sterba-Boatwright. 2011. Effects of salinity and sedimentation on the gorgonian coral, *Leptogorgia virgulata* (Lamarck 1815). *Journal of Experimental Marine Biology and Ecology* 409: 331-338.

\*Schweitzer, M. D. and **K. Withers**. 2010. Size and distribution of blue crabs (*Callinectes sapidus*) with regard to salinity in the upper Nueces Estuary, Texas. *Gulf of Mexico Science* 27: 131-134.

\*Jones, J., **K. Withers**, and J. W. Tunnell, Jr. 2010. Comparison of benthic communities on six coral reefs in the Veracruz Reef System (Mexico). Pages 757-760 in *Proceedings of the 11<sup>th</sup> International Coral Reef Symposium* (B. M. Riegl and R. E. Dodge, eds.). Nova Southeastern University and National Coral Reef Institute, Ft. Lauderdale, Florida.

**K. Withers** and M. Hubner. 2009. Distribution and abundance of bay scallops, *Argopecten irradians*, in the northwestern Gulf of Mexico (Alabama, Mississippi, Louisiana, Texas). *Marine Fisheries Review* 71(3):8-16.

\*S. R Rowell-Garvon and **K. Withers**. 2009. Shorebird behavior and habitat use in an urban wetland complex. *Southwestern Naturalist* 54: 127-139.

\*Tunnell, K. D. and **K. Withers**. 2009. Macrofauna associated with ungrounded prop roots of *Rhizophora mangle* in Veracruz and Quintana Roo, Mexico. *Gulf and Caribbean Research* 21: 67-72.

M. Campbell, **K. Withers** and J. Tolan. 2008. Occurrence of larval and juvenile fish in mangrove habitats in the Sian Ka'an Biosphere Reserve, Quintana Roo, Mexico. *Gulf and Caribbean Research* 20: 81-86.

\*R. E Gibbons, and **K. Withers**. 2006. Habitat preferences of surface-diving waterbirds and American White Pelicans wintering in Redfish Bay, Texas. *Southwestern Naturalist* 51: 103-107.

**K. Withers** and T. S. Brooks. 2004. Diet of Double-crested Cormorants (*Phalacrocorax auritus*) wintering on the central Texas coast. *Southwestern Naturalist* 49: 48-53.

**K. Withers**. 2002. Shorebird use of coastal wetland and barrier island habitat in the Gulf of Mexico. *The Scientific World Journal* 2: 514-536

L. J. Hyde, **K. Withers**, and J. W. Tunnell, Jr. 1999. Coastal high marsh oil spill clean-up by burning: five-year evaluation. Pages 1257-1260 in *Proceedings of the 1999 International Oil Spill Conference*. American Petroleum Institute, Washington, D.C.

**K. Withers** and B. R. Chapman. 1993. Seasonal abundance and habitat use of shorebirds on an Oso Bay mudflat, Corpus Christi, Texas. *Journal of Field Ornithology* 64:382-392.

**K. Withers** and J. I. Mead. 1993. Late Quaternary vegetation and climate in the Escalante River basin, on the central Colorado Plateau. *Great Basin Naturalist* 53:145-161.

#### **BOOK CHAPTERS:**

**Withers, K.** and K. Dunton. 2023. Seagrass meadows. In: **Withers, K.**, B. R. Chapman, J. W. Tunnell, and F. W. Judd, eds. *The Laguna Madre of Texas and Tamaulipas*, Revised Edition. College Station, Texas A&M University Press

Pollack, J B., N. Breaux, and **K. Withers**. 2023. Open bay. In: **Withers, K.**, B. R. Chapman, J. W. Tunnell, and F. W. Judd, eds. *The Laguna Madre of Texas and Tamaulipas*, Revised Edition. College Station, Texas A&M University Press

**Withers, K.** and P. V. Zimba. 2023. Wind-tidal flats. In: **Withers, K.**, B. R. Chapman, J. W. Tunnell, and F. W. Judd, eds. *The Laguna Madre of Texas and Tamaulipas*, Revised Edition. College Station, Texas A&M University Press

**Withers, K.** and B. R. Chapman. 2023. Shorebirds and wading birds. In: **Withers, K.**, B. R. Chapman, J. W. Tunnell, and F. W. Judd, eds. *The Laguna Madre of Texas and Tamaulipas*, Revised Edition. College Station, Texas A&M University Press

**Withers, K.**, S. J. Bates, and J. Tolan. 2023. Fishes and fisheries organisms. In: **Withers, K.**, B. R. Chapman, J. W. Tunnell, and F. W. Judd, eds. *The Laguna Madre of Texas and Tamaulipas*, Revised Edition. College Station, Texas A&M University Press

Tunnell, J. W., **K. Withers**, E. H. Smith, S. Murray, M. Wetz, and B. M. Ballard. 2023. Conservation issues and recommendations. In: **Withers, K.**, B. R. Chapman, J. W. Tunnell, and F. W. Judd, eds. *The Laguna Madre of Texas and Tamaulipas*, Revised Edition. College Station, Texas A&M University Press

**Withers, K.** 2019. Red Knot. In: B. R. Chapman and W. I. Lutterschmidt (eds.), *Texans on the brink: The state's threatened and endangered fauna*. College Station: Texas A&M Press.

**Withers, K.** 2019. Piping Plover. In: B. R. Chapman and W. I. Lutterschmidt (eds.), *Texans on the brink: The state's threatened and endangered fauna*. College Station: Texas A&M Press.

**Withers, K.** 2019. Prairie Chickens. In: B. R. Chapman and W. I. Lutterschmidt (eds.), *Texans on the brink: The state's threatened and endangered fauna*. College Station: Texas A&M Press.

†Tweedley, J. R., S. R. Ditmann†, A. K. Whitfield†, **K. Withers**†, S. D. Hoeksema, and I. C. Potter. 2019. Hypersalinity: global distribution, causes, and effects on the biota of estuaries and lagoons. Pages 523-541 in E. Wolanski, J. Day, M. Elliott, and R. Ramachandran (eds.), *Coasts and Estuaries – The Future*. Elsevier. (†These authors made an equal contribution)

Smith, E. H., A. Banda, J. W. Tunnell, Jr., and **K. Withers**. 2013. Ecosystem-based management in the Laguna Madre, western Gulf of Mexico. Pages 131-152 in J. Day and A. Yáñez-Arancibia (eds.), Ecosystem-based Management, Gulf of Mexico: Origin, Waters, and Biota, vol. 4, Texas A&M University Press, College Station, Texas.

**K. Withers**. 2010. Shells in Texas Coastal History. Pages 5-13 in J. W. Tunnell, Jr., J. Andrews, N. Barrera, and F. Moretzsohn, Encyclopedia of Texas Seashells: Identification, Distribution, Ecology and History. Texas A&M Press, College Station, Texas.

**K. Withers** and J. W. Tunnell, Jr. 2007. Reef biodiversity. Pages 68-86 in J. W. Tunnell, Jr., E. Chávez and **K. Withers** (eds.), Coral Reefs of the Southern Gulf of Mexico. Texas A&M Press, College Station, Texas.

E. Chávez, J. W. Tunnell, Jr. and **K. Withers**. 2007. Coral reef zonation and ecology: Veracruz shelf and Campeche Bank. Pages 41-67 in J. W. Tunnell, Jr., E. Chávez and **K. Withers** (eds.), Coral Reefs of the Southern Gulf of Mexico. Texas A&M Press, College Station, Texas.

**K. Withers**. 2002. Seagrass meadows. Pages 85-101 in J. W. Tunnell, Jr. and F. W. Judd (eds.), The Laguna Madre of Texas and Tamaulipas. Texas A&M Press, College Station, Texas.

**K. Withers**. 2002. Open bay. Pages 102-113 in J. W. Tunnell, Jr. and F. W. Judd (eds.), The Laguna Madre of Texas and Tamaulipas. Texas A&M Press, College Station, Texas.

**K. Withers**. 2002. Wind-tidal flats. Pages 114-126 in J. W. Tunnell, Jr. and F. W. Judd (eds.), The Laguna Madre of Texas and Tamaulipas. Texas A&M Press, College Station, Texas.

**K. Withers**. 2002. Shorebirds and wading birds. Pages 198-210 in J. W. Tunnell, Jr. and F. W. Judd (eds.), The Laguna Madre of Texas and Tamaulipas. Texas A&M Press, College Station, Texas.

**K. Withers** and S. J. Dilworth. 2002. Fish and invertebrate fisheries organisms. Pages 223-254 in J. W. Tunnell, Jr. and F. W. Judd (eds.), The Laguna Madre of Texas and Tamaulipas. Texas A&M Press, College Station, Texas.

**K. Withers**. 2002. Brown and red tide. Pages 255-258 in J. W. Tunnell, Jr. and F. W. Judd (eds.), The Laguna Madre of Texas and Tamaulipas. Texas A&M Press, College Station, Texas.

J. W. Tunnell, Jr., **K. Withers** and E. H. Smith. 2002. Conservation issues and recommendations. Pages 275-288 in J. W. Tunnell, Jr. and F. W. Judd (eds.), The Laguna Madre of Texas and Tamaulipas. Texas A&M Press, College Station, Texas.

**K. Withers**. 1996. Seagrass meadows. Pages 175-249 in Tunnell, J. W., Jr., Q. R. Dokken, E. H. Smith, and K. Withers (eds.) Status and Trends of the Estuarine Living Resources Within the Corpus Christi Bay National Estuary Program Study Area. CCBNEP-06A. Corpus Christi, Texas.

**K. Withers**. 1996. Tidal flats. Pages 294-356 in Tunnell, J. W., Jr., Q. R. Dokken, E. H. Smith, and K. Withers (eds.) Status and Trends of the Estuarine Living Resources Within the Corpus Christi Bay National Estuary Program Study Area. CCBNEP-06A. Corpus Christi, Texas.

#### **BOOKS EDITED:**

**K. Withers**, B. R. Chapman, J. W. Tunnell, Jr. and F. W. Judd, and. 2023. The Laguna Madre of Texas and Tamaulipas, Revised ed. Texas A&M University Press.

**K. Withers** and M. Nipper. 2008. Environmental Analysis of the Gulf of Mexico (English translation of Diagnóstico Ambiental del Golfo de México, edited by Margarita Caso, Irene Pisanty, and Exequiel Ezcurra [in Spanish]). Texas A&M University – Corpus Christi, Harte Research Institute of Gulf of Mexico Studies Special Publication 1.

J. W. Tunnell, Jr., E. Chávez and **K. Withers**. 2007. Coral Reefs of the Southern Gulf of Mexico. Texas A&M University Press

J. W. Tunnell, Jr., Q. R. Dokken, E. Smith and **K. Withers**. 1996. Status and Trends of the Estuarine Living Resources within the Corpus Christi Bay National Estuary Program Study Area. CCBNEP-06A. Corpus Christi, Texas.

#### TECHNICAL REPORTS:

**Withers, K.** 2021. An assessment of tidal flat functionality as habitat for shorebirds: Blind Oso, Oso Bay, Texas. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC--CCS.

McKinney, L., M. Besonen, and **K. Withers** (eds.). 2019. Proceedings: The Gulf of Mexico Workshop on International Research. Bureau of Ocean Energy Management (BOEM), OCS Study, BOEM 2019-045 (<https://doi.org/10.25745/H75S-HJ40>).

Besonen, M. R., **K. Withers**, and G. Gold-Bouchot. 2019. The GOMWIR (Gulf of Mexico Workshop on International Research) inventory. Pages 162-179 in L. McKinney, M. Besonen, and **K. Withers** (eds.). 2018. Proceedings: The Gulf of Mexico Workshop on International Research. Bureau of Ocean Energy Management (BOEM), OCS Study, BOEM 2019-045 (<https://doi.org/10.25745/H75S-HJ40>).

**Withers, K.**, M. R. Besonen, and G. Gold-Bouchot. 2019. Knowledge gaps identification. Pages 189-197 in L. McKinney, M. Besonen, and **K. Withers** (eds.). 2018. Proceedings: The Gulf of Mexico Workshop on International Research. Bureau of Ocean Energy Management (BOEM), OCS Study, BOEM 2019-045 (<https://doi.org/10.25745/H75S-HJ40>).

Lewis, M. **K. Withers**, P. V. Zimba, and T. Wood. 2017. Reduction of dispersed oil toxicity through the synergistic application of hydrocarbon digesting microbial solutions: final report. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-1801-CCS. 22 pp.

**Withers, K.** 2016. Macrobenthic invertebrate abundance and community structure in coastal intertidal habitats of selected US Fish & Wildlife Service refuges in Texas: final report of the baseline survey. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-CC-1701-CCS. 50 pp.

**Withers, K.** 2016. Data summary—tidal stream macrobenthos identification/enumeration: Arroyo Colorado final report. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech Rept. TAMUCC-1602-CCS. 4 pp.

Simons, J. D., **K. Withers**, and T. Weatherall. 2015. Assessment of mercury in selected game fish food webs in the Texas coastal zone: final report. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech Rept. TAMUCC-1501-CCS. 96 pp. (A report funded by a Texas Coastal Management Program grant approved by the Texas Land Commissioner pursuant to National Oceanic and Atmospheric Administration award No. NA12NOS4190164.

**Withers, K.** 2014. Spatial and temporal abundance of non-breeding piping plovers within designated critical habitat associated with Naval Air Station-Corpus Christi (Texas Units 11 and 12). Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-1403-CCS. 20 pp.

**Withers, K.** and J. Staggs. 2008. Data summary: benthic invertebrates, Texas Coastal Assessment 2007. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0803. Corpus Christi, Texas. 36 pp.

**Withers, K.** and J. Staggs. 2008. Data summary: benthic invertebrates, NCA 2006 – Texas. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0804. Corpus Christi, Texas. 35 pp.

**Withers, K.** and J. Staggs. 2008. Data summary: benthic invertebrates, NCA 2005 – Texas. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0805. Corpus Christi, Texas. 39 pp.

**Withers, K.** and S. Lyle. 2007. Post-construction seagrass monitoring, John F. Kennedy Causeway: year 3 and summary. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-0704-CCS. 30 pp.

**Withers, K.** and S. Lyle. 2006. Post-construction seagrass monitoring, John F. Kennedy Causeway year 2: July 2006. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-0605-CCS. 26 pp.

**Withers, K.** and G. Jeffress. 2005. Post-construction seagrass monitoring, John F. Kennedy Causeway year 1: June 2005. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-0505-CCS. 18 pp.

**Withers, K.** and J. W. Tunnell, Jr. 2004. Data summary: benthic invertebrates, NCA 2003. Texas A&M University-Corpus Christi, Center for Coastal Studies Technical Report. Corpus Christi, Texas. 28 pp.

**Withers, K.**, E. H. Smith, O. Gomez, and J. Wood. 2004. Assessment of coastal water resources and watershed conditions at Padre Island National Seashore. US Department of Interior, National Park Service, Water Resources Division Technical Report NPS/NRWRD/NRTR-2004/323. Denver, Colorado. 126 pp.

Q. R. Dokken, I. R. MacDonald, J. W. Tunnell, Jr., T. Wade, **K. Withers**, S. J. Dilworth, T. W. Bates, C. R. Beaver, and C. M Riguad. 2003. Long-term monitoring at the East and West Flower Garden Banks National Marine Sanctuary, 1998-2001: Final Report. US Department of Interior, Mineral Management Service, Gulf of Mexico OCS Region, OCS Study MMS 2003-031. New Orleans, Louisiana. 90 pp.

**K. Withers.** 2003. Data summary: benthic invertebrates, NCA 2002 - Texas. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0308-CCS . Corpus Christi, Texas. 30 pp.

**K. Withers.** 2003. Data summary: benthic invertebrates, NCA 2001 - Texas. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0304-CCS . Corpus Christi, Texas. 46 pp.

J. W. Tunnell, Jr., N. Hilbun and **K. Withers.** 2002. Comprehensive bibliography of the Laguna Madre of Texas and Tamaulipas. . Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0202-CCS . Corpus Christi, Texas. 120 pp.

**K. Withers.** 2001. Data summary: benthic invertebrates, Coastal 2000. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0104-CCS . Corpus Christi, Texas. 31 pp.

Q. R. Dokken, I. R. MacDonald, J. W. Tunnell, Jr., T. Wade, C. R. Beaver, S. A. Childs, **K. Withers** and T. W. Bates. 2001. Long-term monitoring at the East and West Flower Garden Banks, 1998-1999. OCS Study, MMS 2001-101. US Department of the Interior, Gulf of Mexico OCS Region, New Orleans, Louisiana. 119 pp.

Q. R. Dokken, **K. Withers**, S. Childs and T. Riggs. 2000. Characterization and comparison of platform reef communities off the Texas Coast. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0007-CCS. Corpus Christi, Texas. 53 pp.

**K. Withers**. 2000. Instructions for authors: Center for Coastal Studies technical reports. 30 pp.

**K. Withers** and J. W. Tunnell, Jr. 1998. Identification of tidal flat alterations and determination of effects on biological productivity of these habitats within the Coastal Bend. CCBNEP-26. Corpus Christi, Texas. 171+ pages.

Hyde, L. J., **K. Withers**, and J. W. Tunnell, Jr. 1998. Coastal high marsh oil spill clean-up by burning: five-year evaluation. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9811-CCS. Corpus Christi, Texas. 50 pages.

**Withers, K.** 1998. Biological productivity of southerly wind-tidal flats within Padre Island National Seashore. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9810-CCS. Corpus Christi, Texas. 46 pages.

**Withers, K.** and E. H. Smith. 1998. A comparison of benthic and nektonic communities in created and natural salt marshes, Mesquite-Ayres Bay, Texas. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9809-CCS. Corpus Christi, Texas. 39 pages.

Engelhard, T. K. and **K. Withers**. 1997. Biological effects of mechanical beach raking in the upper intertidal zone on Padre Island National Seashore, Texas. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9706-CCS. Corpus Christi, Texas. 41 pages.

J. W. Tunnell, Jr., **K Withers**, and B. Hardegree. 1997. Environmental impact and recovery of the Exxon pipeline oil spill and burn site, upper Copano Bay, Texas: final report. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9703-CCS. Corpus Christi, Texas. 81 pages.

**Withers, K.** 1996. An evaluation of recovery of benthic invertebrate communities in vehicle tracks and restored oil and gas impacted areas on wind-tidal flats in the upper Laguna Madre, Padre Island National Seashore, Texas. Padre Island National Seashore Contract 144PX749050162. Corpus Christi, Texas. 12 pages.

E. H. Smith, **K. Withers**, and K. Jenkins. 1995. Evaluation of beach management methodologies and their effects on natural resources of barrier islands. Texas A&M Univ. - Corpus Christi Center for Coastal Studies Tech. Rept. TAMU-CC-9506-CCS. Corpus Christi, Texas. 120 pages.

Tunnell, J. W., Jr., B. Hardegree, **K. Withers**, and D. Hicks. 1995. Environmental impact and recovery of the Exxon pipeline oil spill and burn site, upper Copano Bay, Texas: Year 2. Texas A&M Univ.-Corpus Christi Center for Coastal Studies Tech. Rept. TAMU-CC-9501-CCS. Corpus Christi, Texas. 42 pages.

## PUBLISHED ABSTRACTS

\*Schoech, L. and **K. Withers**. 2014. Scope for growth of Texas bay scallop (*Argopecten irradians amplicostatus*). Page 651 in Abstracts of Technical Papers Presented at the 106<sup>th</sup> Annual Meeting of the National Shellfisheries Association, Jacksonville, Florida March 29-April 2, 2014. Journal of Shellfish Research 33: 567-667.

\*Gain, J. and **K. Withers**. 2010. Prevalence of *Hematodinium* in *Callinectes sapidus* in Corpus Christi and Aransas bay systems. In: 9<sup>th</sup> Annual Sea Grant Research Conference. TAMU-SG-10-113. College Station, TX. p. 13-14

\*Engelhard, T. and **K. Withers**. 1999. Biological effects of mechanical beach raking in the upper intertidal zone on Padre Island National Seashore, Texas. *Gulf Research Reports* 10:73-74.

## BOOK REVIEWS

**K. Withers**. 2007. Review “*Pelicans, Cormorants, and Their Relatives: Pelecanidae, Sulidae, Phalacrocoracidae, Anhingidae, Fregatidae, Phaethontidae*,” by J B Nelson. *Quarterly Review of Biology* 82:287-288

## GRANTS AND AWARDS:

### Federal

RESTORE, Padre Island National Seashore, 2022-2025, \$320,000, “Tidal Flat Restoration.” Co-PI with Jennifer Pollack.

NEON (NSF), 2021-2023, \$16,000, “Playa Lake Connectivity.” PI James Thorp, University of Kansas. Transfer from Derek Hogan.

BOEM, 2015-2018, \$250,000 (project total with match = \$360,000). “Gulf of Mexico – Workshop on International Research.” PI – Larry McKinney, with 6 Co-PI’s (my part = ~\$30,000).

USACOE, 2013-2014, \$24,000. “Baseline survey of Piping Plover at NAS Corpus Christi.”

USFWS, 2012-2016, \$60,000. “Establishing a Macrofaunal Invertebrate Baseline for the Texas Coastal Wildlife Refuge Complex.

USFWS, 2011-2013, \$35,000. “Establishing a Macrofaunal Invertebrate Baseline for the Texas Coastal Wildlife Refuge Complex.

National Park Service, 2010-2013, 50,000. “Effects of Vehicle Disturbance on Shorebirds.”

National Park Service, 2009-2011, \$21,670. “Beach Invertebrate Responses to Disturbance.”

USEPA Gulf of Mexico Program, 2008-2009, \$59,000 (subcontract). “System-Level Monitoring of Bahia Grande Restoration”. With David W. Hicks (University of Texas-Brownsville).

USEPA Gulf of Mexico Program, 2007-2008, \$55,000 (subcontract). “System-Level Monitoring of Bahia Grande Restoration”. With David W. Hicks (University of Texas-Brownsville).

National Park Service (Cooperative Ecosystems Study Unit), 2004, \$47,000. “Water Resources Assessment, Padre Island National Seashore. With Elizabeth H. Smith

Padre Island National Seashore, 1997, \$10,000. “Biological Effects of Mechanical Beach Raking”. Contract 1443PX749070058.

Padre Island National Seashore, 1997, \$10,000. “Biological Productivity of Southerly Wind-Tidal Flats. Contract 144PX7305097163.

### State

Texas General Land Office, 2022-2025, \$285,000. “Pre-nourishment Beach Benthic Invertebrate Monitoring.” Co-PI with Jennifer Pollack.

Texas General Land Office, 2016-2017, \$80,441. “Reduction of dispersed oil toxicity through synergistic application of hydrocarbon digesting microbial solutions.” Co-PI with Tony Wood and Paul Zimba.

Texas Parks and Wildlife Department, 2014-2016, \$27,000. "Tidal Stream Invertebrates – Arroyo Colorado."

Texas Commission on Environmental Quality Commissioners, 2012-2013, \$26,000 (my part; ~\$100,000 total). "Biological resources in Texas and Potential Harm from Deepwater Horizon.

Texas SeaGrant, 2012. \$154,420. "The toxin(s) of the Texas Brown Tide Organism *Aureoumbra lagunensis* and its Impact on Shellfish. With Paul Zimba

Texas Coastal Management Program, 2012-2015. \$80,098. Assessment of Mercury in Selected Game Fish Food Webs in the Texas Coastal Zone. With Jim Simons.

Texas Seagrant, 2009. \$10,000. "Infection of Blue Crabs by *Hematodinium* in Corpus Christi and Aransas Bays"

Texas Parks and Wildlife Department, 2008-2009. \$27,000. "Tidal Stream Invertebrates"

Texas Parks and Wildlife Department, 2008. \$115,000. "Texas Coastal Assessment – Field and Laboratory Support"

Texas Parks and Wildlife Department, 2007. \$18,000. "National Coastal Assessment – Analysis of Benthic Invertebrates"

Texas Parks and Wildlife Department, 2006. \$17,800. "National Coastal Assessment – Analysis of Benthic Invertebrates"

Texas Parks and Wildlife Department, 2005. \$16,250. "National Coastal Assessment – Analysis of Benthic Invertebrates" (EPA pass through money)

Texas Department of Transportation, 2005-2007. \$66,000 (total). "Seagrass Monitoring of the JFK Kennedy Causeway Project (Post-construction)". With Gary Jeffress.

Texas Parks and Wildlife Department, 2003, 2004. \$70,000 (total). "Stream Assessment – Analysis of Benthic Invertebrates and Aquatic Insects".

Texas Parks and Wildlife Department, 2000, 2001, 2002, 2003, 2004. \$30,000 per year. "National Coastal Assessment – Analysis of Benthic Invertebrates" (EPA pass through money)

Texas Parks and Wildlife Department, 1991-93 – \$24,000 for dissertation research, "The Relationship of Macrobenthic Prey Availability to Shorebird Use of Blue-green Algal Flats in the Upper Laguna Madre.

### **Non-Governmental Organization**

Coastal Bend Bays and Estuary Program, 2019. \$25,000. "Shorebird Habitat Function, Blind Oso."

Coastal Bend Bays and Estuary Program, 2006. \$10,000. "Breeding Ecology of Black Skimmers on New Island".

Coastal Bend Bays and Estuary Program, 2005. \$10,000. "Breeding Ecology of Black Skimmers on New Island".

Coastal Bend Bays and Estuaries Program, 2004, \$10,000. "Coastwide Snowy Plover Breeding Survey" (TPWD pass through money).

Coastal Bend Bays and Estuaries Program, 2000, \$50,000. "Mollie Beattie Coastal Habitat Community: Public Education & Access Infrastructure". With Suzanne Dilworth.

Coastal Bend Bays and Estuaries Program, 2000, \$50,000. "Bay and Bait Shrimping Industries of the Coastal Bend: Status, Challenges, and Management". With Quenton R. Dokken.

Corpus Christi Bay National Estuary Program, 1996, \$40,000. "Natural and Human-Related Alterations of Wind-Tidal Flats in the Corpus Christi Bay National Estuary Program Study Area and Their Effects on Biological Productivity and Functioning".

## **University**

TAMU-CC, Research Enhancement, 2019. \$1500. eDNA for monitoring diamondback terrapins.

TAMU-CC, Texas Excellence Program, 2005. \$7000. Enhancement of federal funding opportunities.

University of West Florida Small Grants Program, 1995. \$1998.00. Summer research project "Abundance and Community Structure of Macrobenthic Invertebrates Inhabiting Nearshore and Rear Reef Areas, Southern Quintana Roo, Mexico".

## **Foundation**

Welder Wildlife Foundation Fellowship, 1992-93 – \$10,000 for dissertation research, "The Relationship of Macrobenthic Prey Availability to Shorebird Use of Blue-green Algal Flats in the Upper Laguna Madre."

## **SERVICE:**

### **University Committees/Service**

Environmental Committee – 2022-2023

Faculty Senate – elected 2016

Member, Faculty Affairs Committee, 2016–2019

Member, Academic Affairs Committee, 2018–2019

*Ex officio* – CPIRA, 2017-2018

*Ex officio* – University Parking Committee – 2018-2019

Scholarship Committee – 2016–2017

### **College (COSE) Committees/Service**

Search Committee – Daru replacement

Center for Coastal Studies Scholarship Selection Committee – 2004-present (K. Withers, Chair)

Integrated Science BS (was General Science) Development Committee – 2011- 2020

Search Committee – Director, Center for Coastal Studies

Chair, Search Committee – Terrestrial Ecologist – 2019-2020

Search Committee – Conservation Biologist – 2019

Search Committee – Coastal Botanist – 2018

Curriculum Committee – 2016 – 2017

Search Committee – Visiting Anatomist – 2017

Search Committee – LSCI Department Chair – 2015

Search Committee – Coastal Botanist – 2015

Search Committee – Fisheries Biodiversity – 2012

MARB Policy Committee- 2010 – 2013

CMSS Policy Committee – 2007-2014

CMSS Ph.D. Handbook Committee – 2005 (K. Cammarata, Chair)

CMSS Library Committee – 2005-2014

### **Departmental (LSCI) Committees/Service**

LSCI Graduate Committee – 2010-2013 (Chair, disbanded)

S&E Field Trip Committee – 2008- 2013 (disbanded)

Catalog Copy Coordinator (PALS) – 2004, 2005, 2006

**Other Committees/Service within the University**

Technical Writing Committee (English Department) – 2002

**Community or Scientific Service**

Organizing Committee, Waterbirds Society Meeting, 2022

MAR Vulnerability Assessment, Mission Aransas NERR, 2022

**National Committees/Panels**

National Science Foundation Graduate Fellowship Review Panel – Ecology, 2004, 2005, 2006

**GRADUATE COMMITTEES:**

**Chair – Biology, University of West Florida**

**Lara Coburn** – 1995, “Reproductive Success of Black Skimmers in Florida”

**Member – Biology, University of Louisville**

**Kyle Anderson** – 2015, “No Effect of Hydrocarbon and Salinity Disturbance on Marine Meiofauna Diversity and Community Structure”

**Co-Chair or Chair – Biology, TAMUCC**

*Graduates*

1. **Samantha Huron** – 2023 “Vulture roosting ecology” (professional paper)
2. **Marie Pendleton** – 2022, “Spatial learning in crayfish”
3. **Arras Wiedorn** – 2021, “Biogeography of birds” (professional paper)
4. **Marina Partain** – 2019, “Decomposition rates in mangroves using a standardized substrate”
5. **Ariana Kavandi** – 2018, “Diets of offshore fish collected during the ‘Texas Fish Gut Roundup’” (professional paper)
6. **Meghan Cordero** – 2018, “Righting behavior in green and brown anoles (professional paper)
7. **Martin Donnelly** – 2018, “Shark scales and swimming speed”
8. **Amy Cuvelier** – 2017, “Dr. Henry H. Hildebrand: Understanding his Papers...” (professional paper)
9. **Tyler Macha** – 2017, “Education and outreach – plastic pollution” (professional paper)
10. **Elizabeth Ahern** – 2016, “Morphometrics of sea robins” (professional paper)
11. **Wesley Franks** – 2015, “Biofouling communities in upper Laguna Madre” (professional paper)
12. **Debra Hoekel** – 2014, “Evaluation of selected physiological parameters in *Scolelopis squamata* and *Emerita talpoida* for use in determination of sublethal effects associated with environmental stressors”
13. **Arianne Frappier** – 2014, “Fish communities: evaluating response to natural and anthropogenic disturbances under different management regimes”
14. **Lee Schoech** – 2013 “Scope for growth of two ecologically important bivalves: bay scallop (*Argopecten irradians amplicostatus*) and cross-barred venus (*Chione elevata*)”
15. **Jon Gain** – 2011 “Prevalence of *Hematodinium* in the blue crab (*Callinectes sapidus*) in the Corpus Christi and Aransas Bay systems, Texas, U.S.A.”
16. **Kim McGlaun** – 2011 “Metabolism and feeding behavior of porcelain crab (*Petrolisthes galathinus*) and their potential role within oyster reefs”
17. **Amanda Ruddy** – 2009 “Comparison of biodiversity in burned vs unburned habitats on NAS Kingsville”
18. **Isis Dominguez** – 2009 “Oyster trophic relationships”
19. **Jason Jones** – 2008, “Coral cover on selected Veracruz Reefs”
20. **Heather Butler** – 2008, “Coral monitoring at Sian Ka'an, 2006 and 2007” (non thesis)
21. **Mollie McIver** – 2008, “Black mangrove community characterization”
22. **Matt Schweitzer** – 2008, “Blue crab and sex-ratios in Nueces River”

23. **Heidi Cyr** – 2007, “Wading bird habitat use and behavior at Indian Point”
24. **Kristie Landaberde** – 2007; “Black skimmer nesting ecology on New Island, Nueces Bay”
25. **Judy Metcalf** – 2007, “Does disturbance affect shorebird behavior?”
26. **Matt Hubner** – 2007, “Bay scallop recruitment in Laguna Madre”
27. **Jeffrey Landgraf** – 2005, “Distribution of larval fish in Laguna Madre”
28. **Jason Zeplin** – 2005, “Effects of Seagrass Scarring on Juvenile Fish in Redfish Bay”
29. **Maren Harding** – 2004, “Seasonal abundance & habitat use of shorebirds in Blind Oso”
30. **Shannon Garvon** – 2004, “Seasonal abundance & habitat use of shorebirds at Sunset Lake”
31. **Amy Thirkill** – 2004, “Effects of adjacent land use on seagrasses in upper Laguna Madre”
32. **Richard Gibbons** – 2003, “Abundance and habitat preferences of wintering waterbirds in Redfish Bay” (professional paper)
33. **Jennifer Pearce** – 2003, “Relationship of seagrasses to benthic community structure, upper Laguna Madre & Baffin Bay, Texas”
34. **Jennifer Davidson** – 2002, “Effects of propeller scarring on molluscan community structure in seagrass Meadows of Redfish Bay, Texas”
35. **Matt Campbell** – 2001, “A dry season analysis of larval and juvenile assemblages of the Sian Ka'an Biosphere Reserve, Quintana Roo, Mexico”
36. **Kathryn Harvey-Tunnell** – 2001, “Epibiont flora and fauna associated with prop roots of two *Rhizophora mangle* forests, Vera Cruz and Quintana Roo, Mexico”
37. **Jace Tunnell** – 2001, “Differential use of seagrass habitats by juvenile fish”
38. **Teresa Barrera-Carrillo** – 2000, “Abundance & habitat use of birds in Blind Oso”
39. **Tammy White** – 2000, “Snowy plover breeding at Sunset Lake” (professional paper).
40. **Amy Koltermann** – 2000, “Ecological characterization of northwestern Caribbean ironshores, Quintana Roo, Mexico”
41. **Lucinda Sohn** – 1999, “Predator and prey relationship between *Perna perna* and *Stramonita haemastoma*”
42. **Tannika Engelhard** – 1998, “Biological effects of mechanical beach raking in the upper intertidal zone of Padre Island National Seashore, Texas”

*In Progress*

#### **Member - Biology**

##### *Graduates*

Several from Pollack lab (2019-present)

1. **Jennifer Whitt** – 2019, “Benthic community composition in Hawaiian streams”
2. **Andrew Scerbo** – 2018, “Tracheal morphology of deer and bottlenose dolphin”
3. **Jacob Loveless** – 2017, “Insect communities in mixed mangrove/cordgrass marshes”
4. **Meredith Diskin** – 2016, “Comparison of faunal communities in mixed mangrove marshes and saltmarshes
5. **James Sanchez** – 2015 “Macrofaunal and nektonic communities of mixed mangrove/marsh communities”
6. **I-Shou Huang** – 2014 “Brown tide toxins and their toxicological effects”
7. **Alex Rafalski** – 2012, “Evaluation of brevetoxin accumulation and degradation in coastal mammals, birds, and fish found moribund on Texas beaches during red tide blooms”
8. **Valerie Chilton** – 2011, “Unique assemblages of bacteria in *Halodule beaudettei* epiphytic biofilms from Corpus Christi Bay and the Upper Laguna Madre”
9. **Jennifer Sweatman** – 2010, “Accumulation of epiphytes on *Halodule wrightii* in response to nutrient enrichment in East Flats, Corpus Christi Bay and Nighthawk Bay, upper Laguna Madre, Texas”
10. **Emily Williamson** – 2008, “Soft corals on the Texas Coast”
11. **Katherine Miller** – 2006, “Nesting ecology of Botteri’s Sparrow”
12. **Leslie Smith** – 2005, “Bird use of Oso Creek wetlands”
13. **Krista Storey** – 2005, “Seagrass genetics”
14. **Maria Brayfield** – 2004, “Byssal threads of *Perna perna* and *Perna viridis*”
15. **Dana Burfeind** – 2004, “Effects of seagrass scarring on juvenile fish communities”
16. **Addie Reid** – 2004, “Implementation of a long-term coral reef monitoring plan, Sian Ka'an Biosphere Reserve, Quintana Roo, Mexico”

17. **Chris Ledford** – 2003, “Comparison of Coral Species Diversity and Abundance Between Patch Reefs and Shallow Reefs of the Sian Ka’an Biosphere Reserve, Quintana Roo, Mexico”
18. **Tom Bates** – 2002, “Locomotory behavior of intertidal molluscs on rocky shores of the Sian Ka’an Biosphere Reserve, Quintana Roo, Mexico”
19. **W. Jay Tarkington** – 2002, “Kayaking guide to Aransas Bay” (professional paper)
20. **Traci Darnell** – 1998, “The influence of landscape features on bird use of marsh habitat created for whooping cranes (*Grus americana*) through beneficial use of dredged material”

*In Progress*

Several in Pollack lab

**Chair/Co-Chair – Environmental Science**

*Graduates*

1. **Logan Anderson** – 2018, “Feral cat communities and effects on avian faunas” (professional paper)
2. **Blake Bosch** – 2018, “Distribution of microplastics in soil and water in the Coastal Bend” (professional paper)
3. **Michael Lewis** – 2018 “Synergistic effects of dispersants and microbial remediation solutions on grass shrimp”
4. **Kristin Livingston** – 2016, “Rapid Assessment Method for Beach Dune Restoration Projects” (professional paper)
5. **Jennifer Klidies** – 2014, “Distribution and relationship of drift macroalgae & seagrass in the upper Laguna Madre, Texas” (professional paper)
6. **Kelly Breiden** – 2014, “Creating a rapid assessment method for compensatory mitigation on the Texas coast” (professional paper)
7. **Jennifer Lawrence** – 2014, “Composition and distribution of marine debris along three jetties in Corpus Christi, Texas (professional paper)
8. **Jose Torres** – 2013 “Compiling a compensatory mitigation project database/GIS” (professional paper)
9. **Frank McDaniel** – 2011 “Wintering shorebirds in Blind Oso (professional paper)
10. **Ryan Ubias** – 2010 “Nest Architecture of Texas Seaside Sparrow” (professional paper)
11. **Jackie Staggs** – 2008 “Trophic Status of Laguna Madre”
12. **Michelle Kolar** – 2005, “Breeding Ecology of Snowy Plovers”
13. **Alex Nunez** – 2004, “A Characterization of the Benthic Macroinvertebrate Communities in the Mission-Aransas and Nueces Estuaries”
14. **Kim Halbrook** – 2003, “Population estimate of Texas Diamondback Terrapin (*Malaclemys terrapin littoralis*) in Nueces Estuary and Assessment of Nesting Habitat Suitability”

**Member – Environmental Science**

*Graduates*

1. **Ben Lawson** – 2016, “Quantifying productivity in various compartments in saltmarshes”
2. **Maria Rodriguez** – 2015, “Incidence of Dermo in Copano Bay oysters” (professional paper)
3. **Michael Rittenhouse** – 2015, “*Sargassum* effects on dune sedimentation processes”
4. **David Franklin** – 2014, “Current and potential impacts of global warming & ocean acidification on mollusks & polychaetes (professional paper)
5. **Sara Smith** – 2014, “Using benthic communities to evaluate disturbance at McMurdo Station, Antarctica”
6. **Paniz Bighash** – 2013 “Evaluation of groundwater contributions to Oso Creek, South Texas”
7. **Jacalyn Gorczynski** – 2012 “Paleotempestology of Indianola”
8. **Boris Radosovic** – 2012 “Accretionary processes on Mustang Island”
9. **Michael Barajas** – 2010 “Benthic communities before and after Packery Channel opening”
10. **LeAnn Kincaid** – 2010, “Coral reef education program” (professional paper)
11. **Holly Hardaway** – 2001, “Characterization of benthic macroinvertebrate communities in the Texas Coastal Bend in relation to salinity”

12. **Erin Albert** – 2001, “Benthic community response to bioremediation experiments on the San Jacinto River, Houston, Texas”

#### **Chair/Co-Chair – FAMA**

##### *Graduates*

1. **Bryanna McClendon** – 2021, “*Scylla* ecology and commercial use in SE Asia” (professional paper)
2. **Adriana Leiva** – 2018, “Cow nose ray diet” (professional paper)
3. **Phil Fowler** – 2017, “Blue crab megalopae distribution”
4. **Tyler Schnacht** – 2017, “Preconditioning hatchery raised red drum to habitat structure”
5. **Dale Cochran** – 2013, “Length-at-age relationship of oversized red drum (*Sciaenops ocellatus*) from the northwestern Gulf of Mexico” (professional paper)

#### **Member – FAMA**

##### *Graduates*

1. **Caleb Carr** – 2023, Mangrove response to freeze and fertilization (Coverdell Fellow)
2. **Rachel Klose** – 2021, “Oyster farming in Copano Bay”
3. **Kat Mendenhall** – 2015, “Black drum starvation in Baffin Bay”
4. **Patrick Graham** – 2015, “Evaluating community development in restored oyster reefs”
5. **Geoff Kibler** – 2015, “Fisheries Co-Management in The Gambia” (professional paper, Master’s International Program)
6. **Brandon Klim** – 2009, “The effect of a short chain fructooligosaccharide prebiotic on the growth, survival and immune response of adult pacific white shrimp *Litopenaeus vannamei*”
7. **Rodrigo Almeida** – 2006 “Shrimp feed chemo-attractants”
8. **Jason T. Fricker** – 2004, “Growth and nutrient uptake of *Gracilaria tikvahiae* in a continuous flow, recirculating shrimp (*Litopenaeus vannamei*) production system”

#### *In Progress*

#### **Chair/Co-chair - MARB M.S.**

##### *Graduates*

1. **Danielle Zimmerman** – 2018 “Scope for Growth and Dermo disease in oysters” (with Jennifer Pollack)
2. **Lindsey Ramirez** – 2017, “Hypersalinity effects on terrapin physiology”
3. **Josette Delgado** – 2016, “Trophic position of porcelain crabs in oyster reef using stable isotopes” (with Paula Rose)
4. **Geoffrey Purtle** – 2014, “Characterization of the macrofauna communities inhabiting drifting offshore and nearshore *Sargassum* on the central Texas Gulf of Mexico coast (professional paper)
5. **Rachel Fern** – 2013, “Reproductive success of nesting terns and black skimmers on the central Texas coast”

#### *In progress*

Melanie Ponce – beach invertebrate communities - prenourishment (with Jenni Pollack)

#### **Member – MARB M.S.**

##### *Graduates*

1. **Abe Margo** – 2019, “BIBI for tidal streams”
2. **Abby Williams** – 2019, Halfmoon reef monitoring
3. **Megan Martinez** – 2019, oyster restoration
4. **Danielle Aguilar** – 2017, “Development of benthic communities on oyster reefs”

5. **Kevin DeSantiago** – 2015, “Evaluating oyster community establishment on differing substrate types used in restoration projects”
6. **Meredyth Herdener** – 2015, “Salinity effects on macrobenthos in Nueces Estuary”
7. **Katie Sharp** – 2014, “Fatty acids in emaciated black drum from Baffin Bay, Texas” (professional paper).

*In Progress*

Several in Pollack lab

Felipe Urrutia – Salinity effects on sentinel estuarine organisms (Danny Coffey)

**Member - MARB Ph.D.**

*Graduates*

1. **I-Shou Huang** – 2018, “Algal toxins and bioactive properties”
2. **Michael Reuscher** – 2013 “Biodiversity, ecology, and natural history of polychaetous annelids from the Gulf of Mexico”
3. **Adrian Bandolon** – 2014 “Development of a methodology for evaluation of dietary feeding stimulants for the sea urchin *Lytechinus variegatus* (Lamarck)

*In Progress*

Alyssa Outhwaite – “Habitat function in Matagorda Bay” (Pollack)

Lauryn Thompson-Torres – “Terrapin food web dynamics (Battaglia)

**Chair/Co-chair CMSS MS**

*In Progress*

Zahra (with Jenni Pollack)

Isabel (With Jenni Pollack)

**Member - CMSS Ph.D.**

*Graduates*

**Terry Palmer** – 2021 “Disturbance effects on benthos of McMurdo Station, Antarctica

**Keith Johnson** – 2011 “The effects of predation and predator diversity on oyster reef community structure”