

## **Dr. Jennifer B. Pollack**

Texas A&M University-Corpus Christi  
Science & Engineering, Life Sciences

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### **Education**

PhD, University of South Carolina, 2006.

MS, University of South Carolina, 2002.

BA, Northwestern University, 1999.

### **Professional Employment**

Assistant Professor, Texas A&M University-Corpus Christi. (August 2011 - Present).

Professional Assistant Professor, Texas A&M University-Corpus Christi. (January 2011 - August 2011).

Coordinate Fisheries and Mariculture Program and Master's International Program. Teach one course per semester, mentor students, write grant proposals and manuscripts.

Assistant Research Scientist, Texas A&M University-Corpus Christi / Harte Research Institute. (October 2009 - January 2011).

Conducted research, wrote grant proposals and manuscripts, and mentored students.

Postdoctoral Research Associate, Texas A&M University-Corpus Christi / Harte Research Institute. (January 2007 - October 2009).

Conducted research, wrote grant proposals and manuscripts, and mentored students while working for Dr. Paul Montagna.

Graduate Research Fellow, University of South Carolina / North Inlet-Winyah Bay National Estuarine Research Reserve. (November 2002 - December 2006).

Conducted research on the ecological impacts of shrimp predation on estuarine subtidal macrobenthic populations.

Graduate Research Assistant, University of South Carolina. (August 2000 - May 2002).

Taught introductory marine science laboratory sections.

### **Administrative Appointments**

#### **Department**

Program Coordinator (2011 - 2015)

Program coordinator for the Fisheries and Mariculture Program and the Master's International Program within the Life Science Department.

### **Professional Memberships**

The Oceanography Society  
National Shellfisheries Association  
Association for Women in Science  
Coastal & Estuarine Research Federation

## TEACHING

### Teaching Experience

BIOL 4396, DIS: Internship with Texas Parks and Wildlife Department-Coastal Fisheries Division  
BIOL 4436, MARINE ECOLOGY  
BIOL 5393, THESIS RESEARCH  
BIOL 5394, THESIS SUBMISSION  
BIOL 5940, PROJECT RESEARCH  
CMSS 6996, RESEARCH  
CMSS 6998, DISSERTATION RESEARCH  
ESCI 4498, INTERNSHIP IN ENVIRO SCIECE  
ESCI 5397, DIRECTED RESEARCH  
ESCI 5596, DIS: Ecology of Marine Environments  
ESCI 5940, PROJECT RESEARCH  
FAMA 5102, GRADUATE DEFENSE SEMINAR  
FAMA 5327, MARINE RESTORATION ECOLOGY  
FAMA 5370, MARICULTURE  
FAMA 5392, THESIS PROPOSAL  
FAMA 5393, THESIS RESEARCH  
FAMA 5394, THESIS SUBMISSION  
FAMA 5397, PROFESSIONAL PAPER SUBMISSION  
FAMA 5398, INTERNSHIP  
FAMA 5399, MARICULTURE RESEARCH  
FAMA 5590, SPECIAL TOPICS: Marine Restoration Ecology  
FAMA 5940, PROJECT RESEARCH  
MARB 5102, GRADUATE RESEARCH SEMINAR  
MARB 5392, THESIS PROPOSAL  
MARB 5393, THESIS RESEARCH  
MARB 5394, THESIS SUBMISSION  
MARB 5596, DIS: Assessing benthic infaunal community structure in Oso Bay  
MARB 5940, THESIS PROJECT RESEARCH  
MARB 6102, GRADUATE RESEARCH SEMINAR  
MARB 6327, MARINE RESTORATION ECOLOGY  
MARB 6392, DISSERTATION PROPOSAL  
MARB 6590, SPECIAL TOPICS: Marine Restoration Ecology  
MARB 6940, DISSERTATION PROJECT RESEARCH

### Teaching Awards and Honors

iAchieve Partners in Education Service Learning for Achievement Award, Corpus Christi Independent School District. (2012).

## SCHOLARLY AND CREATIVE ACTIVITIES

### Publications

Refereed

Books

Montagna, P. A., Palmer, T. A., Pollack, J. (2013). *Hydrological Changes and Estuarine Dynamics*. (pp. 94). New York, New York: SpringerBriefs in Environmental Sciences.

#### Journal Articles

Lebreton, B., Pollack, J., Blomberg, B. N., Palmer, T. A., Adams, L., Guillou, G., Montagna, P. A. (2016). Origin, composition, and quality of suspended particulate organic matter in relation to freshwater inflow in a South Texas estuary. *Estuarine, Coastal, and Shelf Science*, 170, 70-82.

George, L. M., De Santiago, K., Palmer, T., Pollack, J. (2015). Oyster reef restoration: Effect of alternative substrates on oyster recruitment and nekton habitat use. *Journal of Coastal Conservation*, 19(1), 13-22.

Palmer, T., Uehling, P., Pollack, J. (2015). Using oyster toxicity as an indicator of disturbed environments. *International Journal of Environmental Science and Technology*, 12(6), 2111-2116.

Hu, X., Pollack, J., McCutcheon, M. R., Montagna, P. A., Ouyang, Z. (2015). Long-term alkalinity decrease and acidification of estuaries in Northwestern Gulf of Mexico. *Environmental Science & Technology*, 49(6), 3401-3409.  
[pubs.acs.org/doi/abs/10.1021/es505945p](https://pubs.acs.org/doi/abs/10.1021/es505945p)

Nevins, J. A., Pollack, J., Stunz, G. W. (2014). Characterizing nekton use of the largest unfished oyster reef in the U.S. in comparison to marsh edge and nonvegetated estuarine habitats. *Journal of Shellfish Research*, 33, 1-12.

Pollack, J., Yoskowitz, D. W., Montagna, P. A., Kim, H.C. (2013). The role and value of the nitrogen regulation ecosystem service provided by oysters in the Mission-Aransas Estuary, Texas, USA. *PLoS ONE*.  
[www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0065314](http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0065314)

Montagna, P. A., Pollack, J., Cleveland, A., Palmer, T. A., Reisinger, A. S. (2012). A restoration suitability index model for the eastern oyster (*Crassostrea virginica*) in the Mission-Aransas Estuary, TX, USA. *PLoS One*, 7(7).

Pollack, J., Palmer, T. A., Montagna, P. A. (2011). Long-term trends in the response of benthic macrofauna to climate variability in the Lavaca-Colorado Estuary, Texas. *Marine Ecology Progress Series*.

Pollack, J., Montagna, P. A., Kim, H.-C., Morgan, E. K. (2011). Role of flood disturbance in natural oyster (*Crassostrea virginica*) population maintenance in an estuary in South Texas, USA. *Estuaries and Coasts*(34), 187-197.

Palmer, T. A., Montagna, P. A., Pollack, J., Kalke, R. D., DeYoe, H. R. (2011). The role of freshwater inflow in lagoons, rivers, and bays. *Hydrobiologia*, 667, 49-67.

Pollack, J., Buzzelli, C. P., Feller, R. J. (2009). Effects of shrimp predation on macrobenthos seasonal cycles. *Hydrobiologia*, 627, 111-128.

Pollack, J., Kinsey, J. W., Montagna, P. A. (2009). Freshwater inflow biotic index (FIBI) for the Lavaca-Colorado Estuary, Texas, USA. *Environmental Bioindicators*, 4, 153-169.

Pollack, J., Mroch, R. M., Feller, R. J. (2008). Juvenile white shrimp *Litopenaeus setiferus* predation on macrobenthic and zooplanktonic prey. *Journal of Shellfish Research*, 27, 1247-1253.

Pollack, J., Feller, R. J. (2007). Changes in the distribution of subtidal macrobenthos due to predation by white shrimp (*Litopenaeus setiferus*). *Estuaries and Coasts*, 30(4), 591-600.

Pollack, J., Feller, R. J. (2007). Importance of predation by white shrimp *Litopenaeus setiferus* on estuarine subtidal macrobenthos. *Journal of Experimental Marine Biology and Ecology*, 344, 193-205.

Pollack, J., Lawrence, A. L., Feller, R. J. (2006). Practical equivalence of laboratory and field measurements of gut passage time in two penaeid shrimp species. *Marine Ecology Progress Series*, 309, 221-231.

Pollack, J., Lawrence, A. L., Feller, R. J. (2005). Variation in fiber, protein and lipid content of shrimp feed – effects on gut passage times measured in the field. *Journal of Shellfish Research*, 1, 301-308.

## Non-Refereed

### Technical Reports

Pollack, J., Nevins, J., Robillard, M. R., Stunz, G. W. (2014). Characterizing the oyster reef community of Sabine Lake estuary: A before-after-control-impact study. *State Wildlife Grants Program Final Report* (pp. 47). United States Fish and Wildlife Service.

## Presentations

Graham, P. (Author & Presenter), Pollack, J. (Author), Palmer, T. A. (Author), "Assessing the habitat value of alternative substrates for oyster reef restoration.," Benthic Ecology Meeting, Quebec, Canada. (2015).

Blomberg, B. N. (Author & Presenter), Pollack, J. (Author), Montagna, P. A. (Author), Palmer, T. A. (Author), Lebreton, B. (Author), "Evaluating functional success of a restored oyster reef through a variety of metrics," Benthic Ecology Meeting, Quebec, Canada. (2015).

Mendenhall, K. (Author & Presenter), Pollack, J. (Author), Ajemian, M. (Author), Stunz, G. W. (Author), Palmer, T. A. (Author), "Evaluating trophic relationships between Black Drum populations and benthic resources in Baffin Bay, TX," Benthic Ecology Meeting, Quebec, Canada. (2015).

Rezek, R. (Author & Presenter), Pollack, J. (Author), Lebreton, B. (Author), "Monitoring Functional Recovery of a Restored Oyster Reef: a population ecology and food web approach," Benthic Ecology Meeting, Quebec, Canada. (2015).

Haskins, T. (Author & Presenter), De Santiago, K. (Author), Pollack, J. (Author), ". New reef, New refuge: A preliminary study of alternative substrate use by fishes and macroinvertebrates on Half Moon Reef, Matagorda Bay," Texas Bays and Estuaries Meeting, Port Aransas, TX. (2015).

Graham, P. (Author & Presenter), Pollack, J. (Author), Palmer, T. A. (Author), "Alternative substrates for oyster reef restoration," Texas Bays and Estuaries Meeting, Port Aransas, TX. (2015).

De Santiago, K. (Author & Presenter), Pollack, J. (Author), Palmer, T. A. (Author), "Development of oyster reef communities following the restoration of reef habitat in Matagorda Bay, Texas," Texas Bays and Estuaries Meeting, Port Aransas, TX. (2015).

White, E. (Author & Presenter), Rezek, R. (Author), Pollack, J. (Author), "Monitoring community development in a restored *Spartina alterniflora* salt marsh," Texas Bays and Estuaries Meeting, Port Aransas, TX. (2015).

Mendenhall, K. (Author & Presenter), Pollack, J. (Author), Ajemian, M. (Author), Stunz, G. W. (Author), Palmer, T. A. (Author), "Trophic relationships between Black Drum (*P. cromis*) and benthic food resources in Baffin Bay, TX: an evaluation using multiple approaches," Texas Bays and Estuaries Meeting, Port Aransas, TX. (2015).

Pollack, J., La Peyre, M. (Author & Presenter), Geiger, S. (Author & Presenter), "Monitoring metrics for Gulf of Mexico Oysters.," Workshop on Effective Approaches for Monitoring and Assessing Gulf of Mexico Restoration Activities, National Research Council / National Academy of Sciences, New Orleans, LA. (October 2015).

Blomberg, B. N. (Author & Presenter), Montagna, P. A., Yoskowitz, D. W., Pollack, J., "Emergy analysis of nutrient regulating ecosystem services provided by oyster reefs.," Emergy Research Conference, Gainesville, FL. (2014).

Graham, P. (Author & Presenter), Pollack, J. (Author), Palmer, T. A. (Author), "Assessing the habitat value of alternative substrates for oyster reef restoration," Gulf and Estuarine Research Society Conference, Port Aransas, TX. (2014).

De Santiago, K. (Author & Presenter), Pollack, J. (Author), Palmer, T. A. (Author), "Enhancement of fish and macroinvertebrate production resulting from the restoration of oyster reef habitat in Matagorda Bay, Texas," Gulf and Estuarine Research Society Conference, Port Aransas, TX. (2014).

Pollack, J., Montagna, P. A., "The importance of monitoring restoration," Gulf of Mexico Summit, Houston, TX. (2014).

Rezek, R. (Author & Presenter), Pollack, J. (Author), Lebreton, B. (Author), "Incorporating trophic analysis into habitat assessment of a restored oyster reef," International Conference for Shellfish Restoration, Charleston, SC. (2014).

Blomberg, B. N., Pollack, J., Montagna, P. A., "Comparative analysis of trends in oyster reef restoration effort and funding in Atlantic and Gulf of Mexico ecoregions of the U.S.," Texas Bays and Estuaries Conference, Port Aransas, TX. (2014).

De Santiago, K. (Author & Presenter), Wetz, M. S., Pollack, J., "Assessing benthic infaunal community structure in Oso Bay," Texas Bays and Estuaries Meeting, Port Aransas, TX. (2014).

Nevins, J. A. (Author & Presenter), Pollack, J. (Author), Stunz, G. W. (Author), "Characterizing the pristine oyster reef community of Sabine Lake Estuary relative to surrounding marsh edge and non-vegetated bottom habitats," 9th Annual Texas Bays and Estuaries Meeting, The University of Texas Marine Science Institute, Port Aransas, TX. (2013).

Pollack, J., Cleveland, A., Palmer, T., Reisinger, A., Montagna, P. A., "A Restoration Suitability Index model for the eastern oyster (*Crassostrea virginica*)," Benthic Ecology Meeting, Savannah, GA. (2013).

Nevins, J., Pollack, J., Stunz, G. W., "Characterizing the Pristine Oyster Reef Community of Sabine Lake Estuary Relative to Surrounding Marsh Edge and Non-Vegetated Bottom Habitats," Benthic Ecology Meeting, Savannah, GA. (2013).

George, L., Pollack, J., Smee, D. L., Montagna, P. A., "Comparative Habitat Functions of Alternative Substrates Used for Oyster Reef Restoration in St. Charles Bay, Texas," Benthic Ecology Meeting, Savannah, GA. (2013).

Blomberg, B., Pollack, J., Montagna, P. A., "Restoration of oyster reef habitat in South Texas: year one," Benthic Ecology Meeting, Savannah, GA. (2013).

Nevins, J., Pollack, J., Stunz, G. W., "Characterizing the Pristine Oyster Reef Community of Sabine Lake Estuary Relative to Surrounding Marsh Edge and Non-Vegetated Bottom Habitats," Coastal and Estuarine Research Federation, San Diego, CA. (2013).

Pollack, J., Froeschke, J., "Influence of environmental variables on Eastern oyster populations," Coastal and Estuarine Research Federation, San Diego, CA. (2013).

De Santiago, K., Pollack, J., Palmer, T., Wetz, M. S., "Response of macrobenthic communities to varying land uses in Oso Bay, Corpus Christi, Texas," Coastal and Estuarine Research Federation, San Diego, CA. (2013).

Sokoly, D. (Author & Presenter), Pollack, J. (Author), Wetz, M. S. (Author), "Relationships between land use, water quality and benthic meiofauna community structure and abundance in Oso Bay (Corpus Christi, Texas)," 2013 Benthic Ecology Meeting, Savannah, GA. (March 2013).

Blomberg, B. N., Francis, J. M., Hutchison, L. M., Pollack, J., Montagna, P. A., Yoskowitz, D. W., "A conceptual framework for linking ecosystem services to an oyster reef emergy model," Benthic Ecology Meeting, Norfolk, VA. (2012).

Rodriguez, M. C., Blomberg, B. N., Pollack, J., "A preliminary analysis of oyster settlement on a restored oyster reef. Texas Bays and Estuaries," Port Aransas, TX. (2012).

Nevins, J., Robillard, M., Williams, J., Stunz, G. W., Pollack, J., "Characterizing the oyster reef community of Sabine Lake : a before-after-control-impact study," Benthic Ecology Meeting, Norfolk, VA. (2012).

Moeckel, J. L., Lingenfelter, B. A., Crockett, J., Lawrence, A. L., Patnaik, S., Pollack, J., "Dietary protein requirement for juvenile shrimp production from 10 day-old PL in biofloc vs. no biofloc systems," Aquaculture America, Las Vegas, NV. (2012).

Pollack, J., Lebreton, B., Blomberg, B. N., Montagna, P. A., "Do benthic microalgae have a role as a food resource for oysters in a Texas estuary? Consequences for oyster reef restoration," Benthic Ecology Meeting, Norfolk, VA. (2012).

Lingenfelter, B. A., Crockett, J., Moeckel, J. L., Kramer, K., Steimle, E., Flanery, W., Lawrence, A. L., Pollack, J., Patnaik, S., "Larcocounter vs. traditional methods for determining survival in stacked raceways for indoor shrimp production," Aquaculture America, Las Vegas, NV. (2012).

Pollack, J., Ray, S. M., Lebreton, B., Blomberg, B. N., Rikard, S., "Patchiness of Dermo (*Perkinsus marinus*) disease foci in the Aransas-Copano, Texas Estuarine System," National Shellfisheries Association, Seattle, WA. (2012).

Moeckel, J. L., Lingenfelter, B. A., Crockett, J., Lawrence, A. L., Patnaik, S., Pollack, J., "Production optimization for juvenile *Litopenaeus vannamei* in shallow water systems using zero water exchange," Aquaculture America, Las Vegas, NV. (2012).

George, L. M., Blomberg, B. N., Nevins, J., Pollack, J., "Relative habitat value of alternative substrates for oyster reef restoration in St. Charles Bay, Texas," Benthic Ecology Meeting, Norfolk, VA. (2012).

Mattson, R. A., Montagna, P. A., Palmer, T. A., Pollack, J., "Responses of estuarine benthic macroinvertebrate communities to changing river flows in the St. Johns River Estuary, FL, USA," INTECOL International Wetlands Conference, Orlando, FL. (2012).

Lingenfelter, B. A., Crockett, J., Moeckel, J. L., Lawrence, A. L., Patnaik, S., Pollack, J., "Shallow water super-intensive stacked raceways for indoor production of *Litopenaeus vannamei*," Aquaculture America, Las Vegas, NV. (2012).

Ray, S. M., Pollack, J., Culbertson, J., Kalke, R., "Texas' 2011 bumper oyster set jeopardized by prolonged drought," National Shellfisheries Association, Seattle, WA. (2012).

Pollack, J., Cleveland, A., Montagna, P. A., "Identifying suitable locations for oyster reef restoration in Texas," Benthic Ecology Meeting, Mobile, AL. (2011).

Pollack, J., Cleveland, A., Montagna, P. A., "Using spatial analysis to identify and prioritize locations for oyster reef restoration in Texas," Texas Bays and Estuaries Meeting, University of Texas Marine Science Institute, Port Aransas, TX. (2011).

Pollack, J., Yoskowitz, D. W., Montagna, P. A., Stunz, G. W., "Ecosystem services of oyster reefs," Restore America's Estuaries, Galveston, TX. (2010).

Kim, H. C., Pollack, J., Montagna, P. A., "Parameterization of oyster filtration rates as a function of environmental stressors in the Mission Aransas Estuary, Texas," Benthic Ecology Meeting, Corpus Christi, TX. (2009).

Pollack, J., Montagna, P. A., "Variability in salinity and temperature drive benthic community structure in the Lavaca-Colorado Estuary, Texas, USA," Coastal and Estuarine Research Federation, Portland, OR. (2009).

Montagna, P. A., Pollack, J., "Development of the freshwater inflow biotic index (FIBI)," Benthic Ecology Meeting, Providence, RI. (2008).

Pollack, J., Ray, S. R., Montagna, P. A., "Unexpected sex ratios in *C. virginica* populations in Texas bays," National Shellfisheries Association, Providence, RI. (2008).

Morgan, E. K., Pollack, J., Montagna, P. A., "Relationship between sex ratio and shell length of oysters (*Crassostrea virginica*) in Texas bays," Texas Academy of Sciences, Corpus Christi, TX. (2008).

Pollack, J., Buzzelli, C. P., Feller, R. J., "Modeling white shrimp consumption of macrobenthos," Benthic Ecology Meeting, Atlanta, GA. (2007).

Pollack, J., Montagna, P. A., "Using oysters as bioindicators of freshwater inflow effects," Coastal and Estuarine Research Federation, Providence, RI. (2007).

Pollack, J., Feller, R. J., "Predation by juvenile white shrimp: using a lab-derived functional response relationship to estimate impacts on natural macrobenthic communities," Benthic Ecology Meeting, Quebec, Canada. (2006).

Pollack, J., Feller, R. J., "Top-down control of benthic macrofauna in subtidal creek sediments," Benthic Ecology Meeting, Williamsburg, VA. (2005).

Pollack, J., Feller, R. J., "Does shrimp predation affect spatial distribution of macrobenthos?," Coastal and Estuarine Research Federation, Norfolk, VA. (2005).

Pollack, J., Feller, R. J., "Impact of juvenile white shrimp on benthic macrofaunal abundances: reduction by predation, disturbance or emigration?," Southeastern Estuarine Research Society, Charleston, SC. (2005).

Pollack, J., Feller, R. J., "Potential impacts on subtidal macrobenthos by juvenile white shrimp, *Litopenaeus setiferus*," American Society of Limnology and Oceanography, Savannah, GA. (2004).

Pollack, J., Feller, R. J., "Juvenile white shrimp, *Litopenaeus setiferus*, potential reduction of macrobenthos abundance in southeastern U.S. salt marshes," Benthic Ecology Meeting, Mobile, AL. (2004).

Pollack, J., Feller, R. J., "Impact of juvenile white shrimp, *Litopenaeus setiferus*, predation on macrobenthos in subtidal estuarine creeks," Southeastern Estuarine Research Society, Fort Pierce, FL. (2004).

Pollack, J., Feller, R. J., "Regulation of macrobenthos by juvenile white shrimp, *Litopenaeus setiferus*, in Southeastern U.S. salt marshes," National Estuarine Research Reserve System Annual Meeting, National Estuarine Research Reserve System, Charleston, SC. (2003).

Pollack, J., Feller, R. J., "Gut passage times in penaeid shrimp: differences between field and laboratory measurements and relevance to aquaculture," Benthic Ecology Meeting, Orlando, FL. (2002).

Pollack, J., Feller, R. J., "Pacific white shrimp (*Litopenaeus vannamei*) gut passage time as a function of feed quality: comparing field versus laboratory," Southeastern Estuarine Research Society, Savannah, GA. (2002).

## **Contracts, Grants and Sponsored Research**

Pollack, Jennifer, Stunz, Gregory W., Montagna, Paul A., Ajemian, Matt, Sluis, Michelle, "Why are black drum starving in Baffin Bay? An ecosystem-based approach," Sponsored by Coastal Bend Bays and Estuaries Program, Local, \$60,000.00. (2013 - 2014).

### **Contract**

Pollack, Jennifer, "Half Moon Reef oyster reef restoration: phase 1," Sponsored by The Nature Conservancy, Texas A&M University-Corpus Christi, \$335,106.00. (2013 - 2018).

### **Grant**

Pollack, Jennifer, "An oyster shell recycling, reef planning, and education program for the Texas Coastal Bend.," Sponsored by Texas General Land Office Coastal Management Program, Texas A&M University-Corpus Christi, \$99,647.00. (October 2011 - Present).

Pollack, Jennifer, Montagna, Paul A., "Oyster reef restoration in the Texas Coastal Bend using reclaimed oyster shells to restore habitat on Lap Reef in Copano Bay," Sponsored by NOAA/ EPA / Gulf of Mexico Program, Gulf of Mexico Community-based Restoration Partnership, Texas A&M University-Corpus Christi, \$190,000.00. (2010 - Present).

Pollack, Jennifer, Montagna, Paul A., "Shell Bank: An Oyster Shell Recycling Program for the Texas Coastal Bend," Sponsored by Texas General Land Office Coastal Management Program, Texas A&M University-Corpus Christi, \$139,772.00. (2010 - Present).



Pollack, Jennifer, Montagna, Paul A., "Assessment and Prioritization of Gulf of Mexico Coastal Ecosystems Affected by Alterations in Freshwater Inflow," Sponsored by EPA / Gulf of Mexico Alliance, Texas A&M University-Corpus Christi, \$210,680.00. (2009 - Present).

Pollack, Jennifer, Sutton, Gail, "Shell Bank: Oyster shell recycling, community engagement, teacher institute, and oyster health," Sponsored by Texas General Land Office, State, \$99,289.00. (2015 - 2017).

Pollack, Jennifer, "Shell Bank: Oyster shell recycling, teacher engagement, environmental stewardship, and scientific inquiry," Sponsored by Texas General Land Office Coastal Management Program, State, \$99,482.00. (2014 - 2016).

Pollack, Jennifer (Co-Principal), Stunz, Gregory W. (Principal), Ajemian, M. (Co-Principal), "Why are Black Drum starving in Baffin Bay? An ecosystem-based approach to develop community resilience and sustainable fisheries in a hypersaline estuary," Sponsored by Texas SeaGrant, State, \$120,000.00. (September 2014 - August 2016).

Pollack, Jennifer, Wetz, Michael S, "Oyster reef restoration in Texas: enhancing water filtration capacity," Sponsored by Gulf of Mexico Foundation-NOAA Community-based Restoration Program, \$80,000.00. (2013 - 2015).

Pollack, Jennifer, "Oyster reef restoration in Texas: enhancing water filtration capacity and recreational fishing in Aransas Bay near Goose Island State Park," Sponsored by Coastal Conservation Association Texas, State, \$75,000.00. (2013 - 2015).

Pollack, Jennifer, "Oyster reef restoration to restore fish habitat on Lap Reef in Copano Bay," Sponsored by Coastal Conservation Association Texas, State, \$75,000.00. (2013 - 2015).

Pollack, Jennifer, Froeschke, Bridgette, "Oyster reef restoration: improving fish habitat and water quality," Sponsored by National Fish and Wildlife Federation, Private, \$127,432.00. (2013 - 2015).

Pollack, Jennifer, "Shell Bank: Improving oyster reef restoration through oyster shell recycling, education, and scientific inquiry," Sponsored by Texas General Land Office Coastal Management Program, State, \$99,228.00. (2013 - 2015).

Pollack, Jennifer, "Shell Bank: Improving oyster reef restoration through oyster shell recycling, education, and scientific inquiry," Sponsored by Texas General Land Office Coastal Management Program, \$99,228.00. (2013 - 2015).

Pollack, Jennifer, "A comparison of food web structure on standing versus cutoff oil rigs in the Gulf of Mexico," Sponsored by TAMUCC University Research Enhancement Grant, Texas A&M University-Corpus Christi, \$5,000.00. (2013 - 2014).

Pollack, Jennifer, "Oyster reef restoration: assessing the benefits to food resources in Texas Bays," Sponsored by Texas State Aquarium, State, \$15,000.00. (2013 - 2014).

Pollack, Jennifer, Ajemian, Matt, "Why are Black Drum starving in Baffin Bay?," Sponsored by Harvey Weil Sportsman Conservationist Award, Local, \$10,000.00. (2013 - 2014).

Yoskowitz, David W. (Principal), Carollo, Cristina (Co-Principal), Cebrian, J. (Co-Principal), Gibeaut, James (Co-Principal), Krupnick, A. (Co-Principal), Montagna, Paul A. (Co-Principal), Nanez-James, Suraida (Co-Principal), Pollack, Jennifer (Co-Principal), Ritchie, J. (Co-Principal), "Ecosystem Services Provided by Gulf of Mexico Habitats: Tools, Valuation, and Application,"

Sponsored by Gulf of Mexico Regional Sea Grant Consortium, Federal, \$648,388.00. (2012 - 2014).

Pollack, Jennifer, "Shell Bank: an oyster shell recycling, habitat selection and outreach program for the Texas Coastal Bend," Sponsored by Texas General Land Office Coastal Management Program, \$99,825.00. (2012 - 2014).

Besonen, Mark (Supporting), Cifuentes, Luis (Principal), Hu, Xinping (Co-Principal), Stunz, Gregory W. (Co-Principal), Wetz, Michael S (Co-Principal), Naehr, Thomas H. (Co-Principal), Fahlman, Andreas (Supporting), Montagna, Paul A. (Supporting), Pollack, Jennifer (Supporting), Hogan, James D (Supporting), Zimba, Paul V. (Supporting), Coffin, Richard (Supporting), "CKD--FUNDED--MRI: Acquisition of Elemental Stable Isotope Chemistry (ESIC) Mass Spectrometer," Sponsored by U.S. National Science Foundation, Federal, \$419,259.00. (October 1, 2013 - September 30, 2014).

Wetz, Michael S (Co-Principal), Pollack, Jennifer (Principal), "Oyster reef restoration in Texas: enhancing water filtration capacity," Sponsored by Gulf of Mexico Foundation, Federal, \$99,261.00. (January 2013 - June 2014).

Pollack, Jennifer, "Applying stable isotopes to compare food webs associated with restored versus natural habitats," Sponsored by Texas Research Development Fund, \$25,000.00. (2012 - 2013).

Pollack, Jennifer, "Development of Perkinsusmarinus infection on a restored oyster reef," Sponsored by TAMUCC Faculty Research Enhancement Grant, \$2,200.00. (2012 - 2013).

Pollack, Jennifer, "Improving southern flounder sport fisheries in Texas," Sponsored by Harvey Weil Sportsman Conservationist Award, \$4,000.00. (2012 - 2013).

Pollack, Jennifer, "Research development grant," Sponsored by TAMUCC New Faculty Research Development Program, \$2,500.00. (2012 - 2013).

Pollack, Jennifer, Lyle, Stacey D., Lloyd, L., Adams, J., "Utilizing mineral accretion technology for oyster reef restoration," Sponsored by Ed Rachal Foundation, \$25,000.00. (2012 - 2013).

Smee, Delbert Lee (Co-Principal), Pollack, Jennifer (Principal), "Oyster Reef Restoration to Restore Fish Habitat in Texas Project," Sponsored by FishAmerica Foundation NOAA Restoration Center for Community-based Marine and Anadromous Fish Habitat Restoration Projects, Texas A&M University-Corpus Christi, \$62,046.00. (2011 - 2013).

Stunz, Gregory W. (Co-Principal), Pollack, Jennifer, "Characterizing the oyster reef community of Sabine Lake: a before-after-control-impact study," Sponsored by TPWD, Texas A&M University-Corpus Christi, \$137,981.00. (July 1, 2011 - August 31, 2013).

Pollack, Jennifer, Yoskowitz, David W., Carollo, C, "Assessment of changing ecosystem services provided by marsh habitat in the Galveston Bay region," Sponsored by Gulf of Mexico Foundation / NOAA, Texas A&M University-Corpus Christi, \$73,133.00. (2010 - 2012).

Pollack, Jennifer, Montagna, Paul A., Fox, Joe M, "Shell Bank: An Oyster Shell Reclamation, Storage and Recycling Program for Oyster Reef Restoration," Sponsored by Texas General Land Office Coastal Management Program, Texas A&M University-Corpus Christi, \$97,034.00. (2009 - 2011).

Pollack, Jennifer, "Oyster reef restoration for increasing fish habitat on Lap Reef in Copano Bay," Sponsored by Texas General Land Office Kills and Spills Team, Texas A&M University-Corpus Christi, \$19,500.00. (June 1, 2011 - August 31, 2011).

Pollack, Jennifer, "Regulation of macrobenthos by juvenile white shrimp, *Litopenaeus setiferus*, in southeastern salt marshes," Sponsored by NOAA / National Estuarine Research Reserve System Graduate Research Fellowship, Other, \$60,000.00. (2003 - 2006).

Pollack, Jennifer, "White shrimp as predators on macrobenthos in salt marshes," Sponsored by Slocum-Lunz Foundation, Other, \$955.00. (2003 - 2004).

Pollack, Jennifer, "Field and laboratory feeding dynamics of penaeid shrimp," Sponsored by Slocum-Lunz Foundation, Other, \$1,450.00. (2002 - 2003).

## Sponsored Research

Pollack, Jennifer, "Shell Bank: Oyster shell recycling, teacher engagement, environmental stewardship, and scientific inquiry.," Sponsored by Texas General Land Office Coastal Management Program, Texas A&M University-Corpus Christi, \$99,482.00. (October 2014 - March 2016).

## Scholarly and Creative Awards and Honors

Outstanding Fisheries Worker Award, American Fisheries Society - Texas Chapter. (2016).  
Private/Public Partnership Conservation Award, Coastal Conservation Association Texas. (2012).  
Ruth Campbell Professorship in Coastal and Marine Systems Science, Texas A&M University-Corpus Christi. (2012).

## SERVICE

### Department

Committee Chair, Fisheries and Mariculture Program website development. (2013 - Present).  
Program representative for student recruiting, Representative, Fisheries and Mariculture Program, Graduate studies open house. (2012 - Present).  
Committee Chair, FAMA/MARB Library Liason. (2011 - Present).  
Committee Member, Graduate Program Committee. (2011 - Present).  
Committee Chair, Program Coordinator for Fisheries and Mariculture Program. (2011 - Present).  
Committee Chair, Program Coordinator for Master's International Program. (2011 - Present).  
Committee Chair, Marine Fisheries Early Life History Faculty Search Committee. (2014 - 2015).  
Judge, Graduate Scholarly Works Symposium. (2014).  
Committee Member, Marine Fisheries Science Faculty Search Committee. (2013 - 2014).  
Committee Member, Quantitative Fisheries Science Faculty Search. (2013 - 2014).  
Student Placement, Representative, Fisheries and Mariculture program, Society for the Advancement of Chicanos and Native Americans in Science Meeting. (2013).  
Committee Chair, Fisheries Biodiversity Faculty Search. (2012 - 2013).  
Committee Member, Coral Reef Ecologist Search Committee. (2011 - 2012).  
Attendee, Meeting, Graduate Studies Open House. (2011).

### College

Committee Member, S&E Awards Committee. (2012 - Present).  
Committee Member, Distinguished Lecturer Series Committee. (2011 - Present).

### University

Guest Speaker, TAMUCC Employee Development Day. (2012).  
Guest Speaker, TAMUCC Employee Development Day. (2008).

## **Professional**

Member, Coastal Bend Bays Foundation. (2012 - Present).  
Member, Coastal Bend Bays and Estuaries Program. (2011 - Present).  
Committee Member, Corpus Christi Watershore and Beach Advisory Committee. (2011 - Present).  
Reviewer, Journal Article, Journal of Shellfish Research. (2011 - Present).  
Reviewer, Grant Proposal, North Carolina Sea Grant. (2011 - Present).  
Reviewer, Journal Article, Estuarine, Coastal and Shelf Science. (2010 - Present).  
Reviewer, Journal Article, Marine Environmental Research. (2010 - Present).  
Program Organizer, Benthic Ecology Meeting. (2009 - Present).  
Invited speaker, McNair Scholars Program. (2009 - Present).  
Reviewer, Grant Proposal, Maryland Sea Grant. (2008 - Present).  
Reviewer, Grant Proposal, National Estuarine Research Reserve System. (2008 - Present).  
Reviewer, Journal Article, Aquaculture Nutrition. (2007 - Present).  
Reviewer, Journal Article, Marine Ecology Progress Series. (2007 - Present).  
Reviewer, Journal Article, Wetlands Ecology and Management. (2007 - Present).  
Guest lecturer, University of Texas Marine Science Institute. (2015).  
Guest scientist, Teachers on the Estuary summer program, University of Texas Marine Science Institute and Mission Aransas National Estuarine Research Reserve. (2014).  
Science Consultant, South Carolina Teacher Quality Collaborative. (2003).

## **Public**

Montessori School of Corpus Christi. (2013 - Present).  
Program Coordinator, Co-Coordinator, Community oyster reef restoration events. (2010 - Present).  
Science Fair Judge, Coastal Bend Science Fair. (2008).  
Official, National Ocean Science Bowl. (2005 - 2006).  
Workshop instructor, Leadership South Carolina. (2002 - 2003).

## **Service Awards and Honors**

Finalist, Texas Environmental Excellence Award, Texas Commission on Environmental Quality. (2015).  
Finalist, Texas Environmental Excellence Award, Texas Commission on Environmental Quality. (2014).  
"Closing the Loop" Award, South Texas Alliance for Recycling (STAR). (2012).