

# Kara Zimmerer Coffey

Harte Research Institute for Gulf of Mexico Studies  
Texas A&M University-Corpus Christi  
Email: [kara.coffey@tamucc.edu](mailto:kara.coffey@tamucc.edu)

6300 Ocean Drive, Unit 5869  
Corpus Christi, TX 78412  
Tel: (361) 825-2064

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## EDUCATION

2020	M.S., Environmental Science Emphasis: Social and environmental impacts	Texas A&M University- Corpus Christi
2016	B.S., Wildlife and Fisheries Sciences	Texas A&M University

## PROFESSIONAL EXPERIENCE

Nov 2022- present	<i>Project Coordinator II for Community Resilience Group</i> , Harte Research Institute for Gulf of Mexico Studies, Texas A&M University – Corpus Christi.	
Feb 2021- present	<i>Project Coordinator II for Texas OneGulf RESTORE Center of Excellence</i> , Harte Research Institute for Gulf of Mexico Studies, Texas A&M University – Corpus Christi.	
Feb 2021- Nov 2022	<i>Project Coordinator II for Socio-Economics Group</i> , Harte Research Institute for Gulf of Mexico Studies, Texas A&M University – Corpus Christi.	
Dec 2016- Feb 2021	<i>Research Associate for Socio-Economics Group</i> , Harte Research Institute for Gulf of Mexico Studies, Texas A&M University – Corpus Christi. <ul style="list-style-type: none"><li>• Managed multiple simultaneous projects</li><li>• Designs, plans, conducts and coordinates experiments in support of various research projects</li><li>• Evaluates, selects, and applies standard techniques of routine research; keep detailed records of data</li><li>• Uses computers or technical equipment to perform data analysis and technical evaluation of research experiments and results</li><li>• Works alongside coastal resource managers and decision-makers, community stakeholders, restoration practitioners, economists, researchers, various agencies, including federal, state, and NGOs</li><li>• Organizes various workshops, including planning, budgeting, leading, hosting, facilitating, and development of materials</li><li>• Coordinates with vendors and others</li><li>• Assists in writing and development of project reports, milestones, budgetary updates, and the change in management process</li><li>• Assists in writing and submission of proposals to funding agencies</li><li>• Maintains and monitors financial accounts related to research projects and group</li><li>• Mentors and supervises undergraduate and graduate students</li><li>• Manages staff and student schedules and work logs</li><li>• Maintains research group's social media accounts</li><li>• Project and database management for <a href="http://www.BlueValue.org">www.BlueValue.org</a></li><li>• Co-managing editor, contributor, and author for <a href="http://www.bluevalue.blog">www.bluevalue.blog</a></li></ul>	

- Oct 2016- Dec 2016      *Research Assistant for Socio-Economics Group*, Harte Research Institute for Gulf of Mexico Studies, Texas A&M University – Corpus Christi.
- Managed specific tasks related to the grants of the Socio-Economics research group; including gathering and analyzing data and working on various databases/websites
  - Conducted research and assist with writing of reports
  - Kept track of events, presentations, workshops, etc. the members of Socio-Economics Group participate in and post information on social media and website
- May 2016- Aug 2016      *Youth Crew Leader*, Texas Conservation Corps, American Youthworks, AmeriCorps.
- Co-led a crew of six members to complete conservation projects on public lands
  - Led projects including trail maintenance, habitat restoration, invasive species removal, and a variety of public land improvement projects
  - Taught members about conservation, habitat restoration, and leadership development

## RESEARCH AREAS

Ecosystem Services, Harmful Algal Blooms, Social, Behavioral, Cultural and Economic Indicators and Metrics of the Gulf of Mexico region, Community Resilience, Knowledge Co-Production, Survey

## JOURNAL PUBLICATIONS

Olander, L., Warnell, K., Mason, S., Karasik, R., Tallis, H., **Coffey, K.**, Hale, C., Shepard, C., Wowk, K., & D. Yoskowitz. Advancing consistent socio-economic monitoring of coastal ecosystem restoration through collaborative metric development. *Commun Earth Environ* 5, 537 (2024). <https://doi.org/10.1038/s43247-024-01705-z>

Tominack SA, **Coffey KZ**, Yoskowitz D, Sutton G, Wetz MS (2020) An assessment of trends in the frequency and duration of *Karenia brevis* red tide blooms on the South Texas coast (western Gulf of Mexico). *PLoS ONE* 15(9): e0239309. <https://doi.org/10.1371/journal.pone.0239309>

## BOOK CHAPTERS

Lorraine C. Backer, Amy Lavery, Helena Solo-Gabriele, Amy H. Schnall, Virginia A. Roberts, Marissa Vigar, Michelle E. Gleason, Stephanie Kieszak, John Estenik, Andrew Reich, Christa Court, Katya Wowk, Wendy Blair Stephan, Barbara Kirkpatrick, Vera Trainer, Richard P. Stumpf, **Kara Coffey**, Roberto Koenke, Robert D. Botta. (2023) Chapter 20 - Monitoring and measuring human health and well-being. Editor(s): Lora E. Fleming, Lota B. Alcantara Creencia, William H. Gerwick, Hong Ching Goh, Matthew O. Gribble, Bruce Maycock, Helena Solo-Gabriele, *Oceans and Human Health* (Second Edition), Academic Press, Pages 597-641, ISBN 9780323952279, <https://doi.org/10.1016/B978-0-323-95227-9.00010-5>

Court C., Hodges A.W., **Coffey K.**, Ainsworth C.H., Yoskowitz D. (2019) Effects of the Deepwater Horizon Oil Spill on Human Communities: Catch and Economic Impacts. In: Murawski S. et al. (eds) *Deep Oil Spills*. Springer, Cham, [https://doi.org/10.1007/978-3-030-11605-7\\_33](https://doi.org/10.1007/978-3-030-11605-7_33)

## REPORTS

Del Angel, D. and **Coffey, K.** (2024). ESLR Coastal Resilience Management Transition Advisory Group

Spring 2024 Meeting Report: Report of Activities, Methods, and Results from the ESLR 2021 Coastal Resilience: Living with Sea Level Rise in the Texas Coastal Bend Management Transition Advisory Group (MTAG) Meeting. 21 pages. Harte Research Institute for Gulf of Mexico Studies. Texas A&M University-Corpus Christi. [Available online.](#)

Del Angel, D. and **Coffey, K.** (2024). ESLR Coastal Resilience MTAG Fall 2023 Workshop Report. Dec 8, 2023. Editor(s): P. Bacopoulos. 31 pages. Harte Research Institute for Gulf of Mexico Studies. Texas A&M University-Corpus Christi. [Available online.](#)

Court, C.D., S. Anderson, A. Ceballos, **K. Coffey**, J. P. Ferreira, S. Honeycutt, J. Kim, A. Lindsey, K. McDaid, X. Qiao, A. Ropicki, B. Saha, O. Savchenko, R. Telg, D. Yoskowitz. 2023. Assessment of the short- and long-term socioeconomic impacts of Florida's 2017-2019 red tide event. Final Report to the Gulf of Mexico Coastal Ocean Observing System Regional Association at Texas A&M University [AWD08253, 2020]. Food and Resource Economics Department, Institute of Food and Agricultural Sciences, University of Florida. Department, Institute of Food and Agricultural Sciences, University of Florida. Gainesville, FL.

Del Angel, D. (2023). ESLR Coastal Resilience MTAG Spring 2023 Workshop Report: Report of Activities, Methods, and Results from the ESLR 2021 Coastal Resilience: Living with Sea Level Rise in the Texas Coastal Bend Management Transition Advisory Group (MTAG) Spring 2023 Meeting May 2nd, 2023 (in-person) and June 21st, 2023 (web). Editor(s): **Kara Coffey**. 75 pages. Harte Research Institute for Gulf of Mexico Studies. Texas A&M University-Corpus Christi. [Available online.](#)

Del Angel, D., **Coffey, K.** (2022). ESLR Coastal Resilience MTAG 2022 Workshop Report: Report of Activities, methods, and results from the ESLR 2021 Coastal Resilience: Living with Sea Level Rise in the Texas Coastal Bend Management Transition Advisory Group (MTAG) Kickoff Meeting. Editor(s): K. Wowk, R. Collini, J. Gibeaut. 33 pages. Harte Research Institute for Gulf of Mexico Studies. Texas A&M University-Corpus Christi. [Available online.](#)

Yoskowitz, David, Christine Hale, **Kara Coffey**, Diana Del Angel, Mary Kramer, Carla Guthrie, and Caimee Schoenbaechler. (2022). Values-based outcomes related to freshwater inflow in the watersheds of the mid-Texas coast: Summary Output from Co-production of a Water Flow Decision Tool to Support Resource Management. Harte Research Institute, Texas A&M University-Corpus Christi. [Available online.](#)

Hale, C.; **Coffey, K.**; Laplace, D.; & Yoskowitz, D. (2021). U.S. Virgin Islands Ecosystem Services Approach to Support Hazard Mitigation and Resilience Planning. Harte Research Institute for Gulf of Mexico Studies. Report prepared for USVI Hazard Mitigation and Resilience Plan. [Available online.](#)

Olander, L., C. Shepard, H. Tallis, C. Shepard, D. Yoskowitz, **K. Coffey**, C. Hale, R. Karasik, S. Mason, K. Warnell. (2021). GEMS Phase II Report: Coastal Restoration. NI R 21-05. Durham, NC: Duke University. [Available online.](#)

Olander, L., D. Yoskowitz, H. Tallis, C. Shepard, K. Warnell, S. Mason, **K. Coffey**, C. Hale, R. Karasik, L. Williams, K. Wowk. (2020). GEMS Phase I Report: Oyster Reef Restoration. NI R 20-01. Durham, NC: Duke University. [Available online.](#)

Yoskowitz, D., L.H. Williams, V.C. Ramenzoni, D. Del Angel, **K. Coffey** (2019). Socio-Behavioral-Economic Observing System Indicators for Coastal Community Sustainability. 46 pages. Harte Research Institute for Gulf of Mexico Studies. Texas A&M University-Corpus Christi. [Available online.](#)

## OPEN DATA

Yoskowitz, David, Christine Hale, **Kara Coffey**, Diana Del Angel, Mary Kramer, Carla Guthrie, and Caimee Schoenbaechler. 2023. Values-based outcomes related to freshwater inflow in the watersheds of the mid-Texas coast. Distributed by: Gulf of Mexico Research Initiative Information and Data

Cooperative (GRIIDC), Harte Research Institute, Texas A&M University–Corpus Christi. doi:10.7266/we3sxh6r

Olander, Lydia, Katie Warnell, Sara Mason, Rachel Karasik, David Yoskowitz, Katya Wowk, Lauren Hutchison, **Kara Coffey**, Chris Hale, and Heather Tallis. 2023. Ecosystem service logic models and metrics for planning and monitoring Gulf of Mexico coastal restoration projects. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University–Corpus Christi. doi:10.7266/v0r5vedp

Tominack, Sarah A., **Kara Z. Coffey**, David Yoskowitz, Gail Sutton, and Michael S. Wetz. 2020. Data Related to the Occurrence and Duration of Red Tides (*Karenia brevis*) on the Texas coast from 1955-09-12 to 2016-10-27. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University–Corpus Christi. doi:10.7266/7VRN6BXA

## GRANTS AND CONTRACTS

2023-2024 Co-Principal Investigator. Composite Red Tide Vulnerability Index (CRTVI): Assessing and communicating vulnerability of coastal communities to red tide in Florida. Florida Fish and Wildlife Conservation Commission. Christa Court (Project Director), Kevin Ash (co-PI), Lisa Krinsky (co-PI), Angie Lindsey (co-PI), Andrew Ropicki (co-PI), Ricky Telg (co-PI) - \$44,702 (\$295,303.90 total budget).

2021-2023 Co-Principal Investigator. Assessment of the short- and long-term socioeconomic impacts of Florida's 2017-2019 Red Tide event. NOAA's National Centers for Coastal Ocean Science's Gulf of Mexico Coastal Ocean Observing System Florida Socioeconomic Award. Christa Court (Project Director), Xiang Bi (co-PI), Jin-won Kim (co-PI), Angela Lindsey (co-PI), Stephen Morgan (co-PI), Andrew Ropicki (co-PI), Ricky Telg (co-PI) - \$41,170 (\$279,796 total budget).

## ABSTRACTS AND PRESENTATIONS

**Coffey, K.** BlueValue: One Ecosystem. Connecting the World. Gulf of Mexico Alliance Wednesday Webinar: Tool Time with Dave Reed. March 27, 2024.

**Coffey, K.** and B. Allee. Human Benefits of Nature Team Informational Presentation. Hosted by Gulf of Mexico Alliance Human Benefits of Nature. Session: Quantifying and Reporting the Human Benefits of Nature. Gulf of Mexico Conference (GOMCON). Tampa, FL. February 20, 2024.

**Coffey, K.** Human Benefits of Nature: BIL Project Lightning Talk. Gulf of Mexico Alliance Wednesday Webinar. November 29, 2023.

Lozada, C., Hale, C., and **K. Coffey**. Local recreational and subsistence fishing demographics in Texas for use in economic studies. Gulf of Mexico Alliance All Hands Meeting. Human Benefits of Nature Cross Team Initiative. June 29, 2023

**Coffey, K.** BlueValue. Gulf of Mexico Alliance All Hands Meeting. Tools Café. June 27, 2023.

**Coffey, K.** Impacts of the Persistent Brown Tide Algal Blooms and Water Quality Degradation on the Economy of Communities that Rely on Baffin Bay-Upper Laguna Madre (Texas). Gulf of Mexico Alliance All Hands Meeting. Water Resources Priority Issue Team. June 27, 2023.

**Coffey, K.** BlueValue. University of Florida: EIAP Team Meeting. June 20, 2022.

Yoskowitz, D., **Coffey, K.**, Hale, C., Lee, W. BlueValue. Gulf of Mexico Conference (GOMCON).

Tools Cafe. April 26, 2022.

Yoskowitz, D., **Coffey, K.**, Hale, C., Williams, L.H, McColly, Q., Rush, G., Carcamo, Y., and M. Young. BlueValue: SEG Lab Tour. HRI Research Staff Coffee Chatter Lab Tour series. November 20, 2020.

Yoskowitz, D., **Coffey, K.**, Hale, C., Williams, L.H, McColly, Q., Rush, G., Carcamo, Y., and M. Young. BlueValue: One Ecosystem. Connecting the World. Gulf of Mexico Alliance Virtual Tools Café. September 29, 2020.

Harris, C., Conkey, A., **Coffey, K.**, and N. Poulson. Coastal Bend Children in Nature. Oso Bay Wetlands Preserve and Learning Center Eco-Expert Virtual Seminar. May 28, 2020.

Yoskowitz, D., Wowk, K., **Coffey, K.**, Sempier, T., and M. Daigle. Coastal Community Resilience Index: Updates and New Enhancements. Ecosystem Services Indicators for Community Resilience. Gulf of Mexico Alliance Wednesday Webinar. January 29, 2020.

**Coffey, K.**, C. Hale, R. Karasik, S. Mason, L. Olander, C. Shepard, H. Tallis, K. Warnell, L. Williams, K. Wowk and D. Yoskowitz. Ecosystem Service Logic Models and Metrics for Gulf Restoration: Linking Project Outcomes to Economic, Health and Wellbeing Benefits for People. Poster presented at: Coastal & Estuarine Research Federation. Mobile, USA. November 6, 2019.

Yoskowitz, D., Wowk, K., **Coffey, K.**, Sempier, T., and N. Pace. Coastal Community Resilience Index (CRI) Updates and Enhancements. Gulf of Mexico Alliance All Hands Meeting. Ecosystem Services Cross-Team Initiative. Gulf Shores, AL, USA. June 13, 2019.

**Coffey, K.**, J. Hamilton, L.M. Hutchison, S. Mason, L. Olander, C. Shepard, H. Tallis, K. Warnell, K. Wowk and D. Yoskowitz. Ecosystem Service Logic Models and Metrics for Gulf Restoration: Linking Project Outcomes to Economic, Health and Wellbeing Benefits for People. Poster presented at: Gulf Estuarine Research Society. Galveston, TX, USA. November 8, 2018.

Yoskowitz, D., Hutchison, L.M., Ramenzoni, V., Wowk, K., **Coffey, K.**, and D. Del Angel. Socio-Economic Observing System. Interactive poster presented at: National Estuarine Research Reserve System/Association Annual Meeting. Corpus Christi, TX, USA. November 13, 2017.

## **WORKSHOPS ORGANIZED**

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|-------------------|--|
| June 10, 2024     | Nueces Health Equity Action Committee Meeting. Integrating Public Data Systems and Social Determinants of Health in At-Risk Neighborhoods. Hosted by Harte Research Institute. Corpus Christi Nueces County Public Health District, Corpus Christi, Texas. |
| February 20, 2024 | Quantifying and Reporting the Human Benefits of Nature. Session co-chair. Hosted by Gulf of Mexico Alliance Human Benefits of Nature. Gulf of Mexico Conference. Tampa, FL.  |
| Dec 8, 2023       | ESLR 2021 Coastal Resilience: Living with Sea Level Rise in the Texas Coastal Bend. Management Transition Advisory Group (MTAG) Fall Meeting. Hosted by Harte Research Institute. Virtual via Zoom.  |
| June 29, 2023     | Human Benefits of Nature: Annual Meeting. Hosted by Gulf of Mexico Alliance All Hands Meeting. Austin, TX.   |
| May 2, 2023       | ESLR 2021 Coastal Resilience: Living with Sea Level Rise in the Texas Coastal  |

	Bend. Management Transition Advisory Group (MTAG) Annual In-Person Meeting. Hosted by Harte Research Institute. Corpus Christi, TX.
Dec 8, 2022	ESLR 2021 Coastal Resilience: Living with Sea Level Rise in the Texas Coastal Bend. Management Transition Advisory Group (MTAG) Kickoff Meeting. Hosted by Harte Research Institute. Virtual via Microsoft Teams.
Dec 5 & 6, 2022	Community Resilience Group Workshop Retreat. Texas State Aquarium. Corpus Christi, TX.
May 19, 2022	Texas OneGulf Workshop Series: TONE Integration for OneGulf Solutions: Diverse Researchers & End-Users: Match-making. Hosted by Texas OneGulf. Virtual via Zoom.
May 12, 2022	Freshwater inflow stakeholder workshop #2. Hosted by Harte Research Institute. Virtual via Microsoft Teams and Mural.
April 25, 2022	Human Benefits of Nature: Annual Meeting. Hosted by Gulf of Mexico Alliance Human Benefits of Nature. Gulf of Mexico Conference. Baton Rouge, LA.
April 7, 2022	Texas OneGulf Workshop Series: TONE Integration for OneGulf Solutions: Interdisciplinary Research 101. Hosted by Texas OneGulf. Virtual via Zoom.
February 24, 2022	Workshop on social-cultural-economic and human value of water. Hosted by Harte Research Institute. Victoria, Texas
July 9 2021	Planning for a Resilient VI: Ecosystem services virtual workshop: St. Croix
July 7 2021	Planning for a Resilient VI: Ecosystem services virtual workshop: St. John
July 6 2021	Planning for a Resilient VI: Ecosystem services virtual workshop: St. Thomas
May 25 2021	Gulf of Mexico Ecosystem Services Logic Models and Socio-Economic Indicators: General Overview Virtual Workshop Webinar.
April 29-May 3 2021	Gulf of Mexico Ecosystem Services Logic Models and Socio-Economic Indicators: Planning, Monitoring, and Funding Virtual Workshop Webinar Series.
January 19 2021	Socio-Economics Group Workshop Retreat. Texas State Aquarium. Corpus Christi, TX.
July 7-10 2020	Gulf of Mexico Ecosystem Services Logic Models and Socio-Economic Indicators: Health and Economic Outcomes Virtual Workshop Series.
March 3-4 2020	Gulf of Mexico Ecosystem Services Logic Models and Socio-Economic Indicators: Water Quality Regional Workshop. Houston, TX.
December 4 2019	Socio-Economics Group Workshop Retreat. Welder Wildlife Refuge. Sinton, TX.
April 23-24 2019	Gulf of Mexico Ecosystem Services Logic Models and Socio-Economic Indicators: Oyster Restoration Regional Workshop. Houston, TX.
December 19 2018	Socio-Economics Group and Staff Workshop Retreat. Oso Bay Wetlands Preserve and Learning Center. Corpus Christi, TX.

- Oct – Nov 2018 Gulf of Mexico Ecosystem Services Logic Models and Socio-Economic Indicators: Oyster Restoration Workshop. Charlotte Harbor, FL, Ocean Springs, MS, Mobile, AL, New Orleans, LA, Galveston, TX.
- June 13 2018 Incorporating Ecosystem Services and Socio-Behavioral-Economic Indicators into the Coastal Community Resilience Index. Hosted at GOMA All Hands 2018 meeting. St. Petersburg, FL.
- May 15-16 2018 Socio-Economic Indicators Workshop II. Hosted by Harte Research Institute. Corpus Christi, TX.
- April 10 2018 Gulf of Mexico Ecosystem Services Logic Models and Socio-Economic Indicators: Advisory Council Meeting. New Orleans, LA.
- December 8 2017 Socio-Economics Group Workshop Retreat. Welder Wildlife Refuge. Sinton, TX.
- May 18 2017 Socio-Economic Indicators Workshop. Hosted by Harte Research Institute. Corpus Christi, TX.

#### **WORKSHOPS ATTENDED**

- May 22 2023 National Oceanic and Atmospheric Administration Office for Coastal Management Facilitator Training. Hosted by Gulf of Mexico Alliance. Virtual Google Meet Meeting.
- December 6 2022 Regional Resiliency Partnership (RRP) Retreat. Hosted by RRP. Corpus Christi, TX.
- Sept 16&20 2021 Coastal Bend Ecosystem Health Report Card Collaboration Workshop. Hosted by Harte Research Institute and University of Maryland Center for Environmental Science. Zoom Virtual Meeting.
- December 6-7 2019 Texas Children in Nature Summit and Champions Luncheon. Hosted by Texas Children in Nature. Corpus Christi, TX.
- September 24 2019 COMPASS: Science Communication Workshop. Hosted by Harte Research Institute. Corpus Christi, TX.
- January 23-24 2018 ArcGIS Story Mapping Workshop. Hosted by Mission-Aransas National Estuarine Research Reserve. Corpus Christi, TX.
- October 24-25 2017 Planning and Facilitating Collaborative Meetings Workshop. Hosted by Mission-Aransas National Estuarine Research Reserve. Corpus Christi, TX.

#### **PROFESSIONAL SOCIETY MEMBERSHIPS**

- 2020 – present Co-chair, Human Benefits of Nature, Gulf of Mexico Alliance Coordination Team
- 2022 - present Member, Coastal Bend Children in Nature, Texas Children in Nature
- 2019 – 2022 Secretary, Coastal Bend Children in Nature, Texas Children in Nature
- 2019 – 2021 Member, Coastal & Estuarine Research Federation
- 2018 – 2021 Member, Gulf Estuarine Research Society

## **CERTIFICATIONS, SKILLS, AND TRAININGS**

- Project and database management for [www.BlueValue.org](http://www.BlueValue.org)
- Co-managing editor, contributor, and author for [www.bluevalue.blog](http://www.bluevalue.blog)
- Organizes various workshops and meetings, including planning, budgeting, leading, hosting, facilitating, and development of materials
- Proficient in ArcGIS, Microsoft Office suite, Adobe Creative Cloud suite, R statistical software, Lucidchart, Mural, Social media platforms including Facebook, Twitter, Instagram, LinkedIn, WordPress, and LinkTree
- Certifications - CPR, First Aid, ROV, PADI Open Water Dive SCUBA Certification, Coastal Community Resilience Index Facilitator (2018 & 2023), DISC Training, National Oceanic and Atmospheric Administration Office for Coastal Management Facilitator Trained