

Mandi Gordon

Environmental Institute of Houston; University of Houston-Clear Lake
2700 Bay Area Boulevard, Box 540, Houston, TX, 77058
Phone: (847) 452-7865; Email: gordon@uhcl.edu

SUMMARY

With an M.S. in Biology and an ongoing pursuit of a Ph.D. in Ecology and Conservation Biology, I have 8+ years' experience supervising EIH's research staff and projects focused on applied biological, ecological, and environmental science. Since starting at UHCL in 2011, I have progressed from a Research Associate to Senior Biologist, and am currently serving as Interim Associate Director, Research Programs. I have knowledge of and skills in scientific study design, operation of research equipment including vehicles and vessels, permitting through state and federal agencies, publication of various forms of scientific communication, budget management, leading teams of researchers, communication with internal and external project partners, and knowledge of UHCL, state, and federal procedures for grants.

EDUCATION

PH.D. ECOLOGY AND CONSERVATION BIOLOGY	Texas A&M University (TAMU)	Ongoing
M.S. BIOLOGY	Georgia Southern University (GSU) (Link to thesis)	2010
B.S. MARINE BIOLOGY	Texas A&M University at Galveston (TAMUG)	2007

RELEVANT PROFESSIONAL BACKGROUND

Interim Associate Director, Research Programs Sep 2024 – *Present*

Environmental Institute of Houston, University of Houston-Clear Lake (EIH-UHCL) – Houston, TX

- Manage a research department focused on applied environmental, conservation, and monitoring studies
- Develop and implement research program policies, long-range forecasting, and strategic planning
- Maintain > \$1M annual budget and procure grant funds for long-term research program sustainability
- Supervise undergraduate students, graduate students, and early- to mid-career professionals

Senior Biologist Jul 2016 – *Present*

Environmental Institute of Houston, University of Houston-Clear Lake (EIH-UHCL) – Houston, TX

- Management of state-wide monitoring studies in water quality, population dynamics, and organismal health with emphasis on endangered, threatened, species of greatest conservation need, and species of concern
- Coordination of field activities, personnel, private landowner permissions, and permitting
- Development of project proposals and study designs for procurement of grant funds as PI, lead-PI or co-PI; data management; reporting and publication of findings
- Supervision of undergraduate students, graduate students, and professionals on day-to-day logistics

Senior Research Associate May 2013 – Jun 2016

EIH-UHCL – Houston, TX

- Led field teams in state-wide studies related to water quality, population dynamics, and organismal health
- Data compilation for entry, QA/QC, and analyses; developed final reports for landowners, permits, stakeholders, and related projects on water quality, population dynamics, and organismal health
- Assisted in development of proposals and project plans to procure funds for continued research activities

Research Associate Feb 2011 – Aug 2012

EIH-UHCL – Houston, TX

- Field data collection; data entry/QA/QC; developed components of technical reports
- General maintenance of equipment for various projects

RESEARCH GRANTS

Format for following: Contract Term; Contract Title; Funding Agency; Role in Project (Contract No.; Contract Amount)

Awarded (PI, Lead-PI, or Co-PI cumulative: \$1.37M)

- 2023-26 Microplastic Distribution and Impacts to Diamond-backed Terrapin, Highlighting Public Education and Future Effects of Sea-Level Rise. Matagorda Bay Mitigation Trust. Lead PI. (\$499,999.91).
- 2020-23 Baseline Study of Alligator Snapping Turtle (*Macrochelys temminckii*) Population Viability in Texas Watersheds. Texas Comptroller of Public Accounts. Co-PI. (Contract No. 21-7219BG; \$399,646).
- 2019-23 Distribution and Habitat Associations of the Western Chicken Turtle (*Deirochelys reticularia miaria*) in Texas. Texas Comptroller of Public Accounts. Co-PI. (Contract No. 20-6997BG; \$314,873).
- 2021 Preliminary Development of Aquatic Turtle Aerial and eDNA Survey Methods in the Sabine River Basin. Sabine River Authority. PI. (Contract No. 2021-001; \$24,975.10).
- 2016-17 Continued Population Monitoring of Texas Diamondback Terrapin (*Malaclemys terrapin littoralis*) in Lower Galveston Bay. Texas Herpetological Society Grants-in-Aid. Co-PI. (\$500 mini-grant).
- 2014-15 Population Survey of the Texas Diamondback Terrapin (*Malaclemys terrapin littoralis*) in San Antonio Bay, Matagorda Bay, and Sabine Lake. Texas Parks and Wildlife Department Species Wildlife Grant. Co-PI. (Contract No. 447483; \$29,418).
- 2014 Tracking Incidence of Fibropapilloma Virus in Texas' Green Sea Turtle (*Chelonia mydas*) Population. Texas State Aquarium. Co-PI. (\$20,000).
- 2013-21 Population Ecology and Demographics of Texas Diamondback Terrapin (*Malaclemys terrapin littoralis*) (ongoing long-term monitoring). Various sources & UHCL-EIH match. Co-PI. (\$75,239 cumulative).

Awarded (Project Management cumulative: \$4.27M)

- 2021-22 Devil's River Minnow (*Dionda diaboli*) Relocation in San Felipe Creek, Del Rio, Texas. CP&Y, Inc. Project Manager (Contract No. C21252; \$46,950).
- 2016-27 National Aquatic Resource Surveys – Texas (*includes National Wetland, Lakes, Rivers & Streams, and Coastal Condition Assessments*). Texas Commission on Environmental Quality. Project Manager and Co-Project Manager (Umbrella Contract Nos. 582-23-40132, 582-18-80214, 582-13-31385; \$3,068,516 cumulative).
- 2020 National Coastal Condition Assessment – Louisiana. Great Lakes Environmental Center. Project Manager (Contract No. 16218; \$440,000).
- 2017 Biological Monitoring – Red River Watershed. Red River Authority. Co-Project Manager (Contract K-17-00948; \$55,000).
- 2013-23 Clean Rivers Program, Surface Water Quality Monitoring, and Special Study Sampling for Basin 11 and 13 Watershed Protection Plans. Houston-Galveston Area Council. Co-Manager (\$525,493 cumulative).
- 2013-15 National Lakes Assessment Data Analysis. Texas Commission on Environmental Quality. Co-Project Manager (\$50,000).
- 2011-12 Texas Nutrient Criteria Developmental Support Project. Texas Commission on Environmental Quality. Co-Project Manager (Contract No. 582-10-90477; \$137,745).

PUBLICATIONS AND PROCEEDINGS

ORCID ID: 0000-0002-4576-7913; average JIF = 3.22; hyperlinks provided in titles. *Student or mentee

In Print (Peer-Reviewed)

- Gordon, M.L.**, S. Curtis, S. Whitley, S. Robertson, G. Weiberg, K. Strickland, and J.W. Oakley. 2024. Updated fish species inventory for upper San Felipe Creek, Del Rio, Val Verde County, Texas, USA. *The Southwestern Naturalist* 61(1): 69-74 (JIF = 0.22).

- Gordon, M.**, D.J. Bontrager, J. Watson, T. Corbett, C. Crawford, C. Franklin, B. Kirby, E. Munscher, V. Ricardez, and A. Tuggle. 2023. [Using local ecological knowledge to document distribution and temporal patterns of *Macrochelys temminckii* in Texas](#). *Biology and Conservation of Alligator Snapping Turtles (Macrochelys); The Southeastern Naturalist*. 22(Special Issue 12): 171–196 (JIF = 0.57).
- Carr, J.L., J. Terry, D. Ligon, K.M. Enge, C.J. Krueger, T.M. Thomas, G. Brashear, G.R. Johnson, **M. Gordon**, G. Zwicky, E.P. Hill, D.J. Stevenson, and D.A. Steen. 2023. [Nesting emergences and other terrestrial movements of *Macrochelys \(Testudines: Chelydridae\)*](#). *Biology and Conservation of Alligator Snapping Turtles (Macrochelys); The Southeastern Naturalist*. 22(Special Issue 12): 378–387 (JIF = 0.57).
- Glorioso, B., J. Carr, C. Franklin, **M. Gordon**, A. Johnson, E. Kessler, E. Munscher, L. Pearson, and V. Ricardez. 2023. [Condition and coloration of lingual lures of Alligator Snapping Turtles](#). *Biology and Conservation of Alligator Snapping Turtles (Macrochelys); The Southeastern Naturalist*. 22(Special Issue 12): 429–439 (JIF = 0.57).
- Metz, T.L., **M. Gordon**, M. Mokrech, G. Guillen. 2020. [Movements of juvenile Green turtles \(*Chelonia mydas*\) in the nearshore waters of the northwestern Gulf of Mexico](#). *Frontiers in Marine Science*. 7: 647. DOI: 10.3389/fmars.2020.00647 (JIF = 4.77).
- Bjorndal, K.A., A.B. Bolten, [and 70 others, including **A.L. Gordon**]. 2017. [Ecological regime shift drives declining growth rates of sea turtles throughout the west Atlantic](#). *Global Change Biology*. 23: 4556–4568 (JIF = 13.21).

In Print (Editorial Review)

- *Hughes, N., **M. Gordon**, S. Bullard, A. Alvarez, D.R. Bontrager, D. Davidson, D. DeChellis, K. Garcia, B.G. Giles, R. Gray, J. Kittle, I. Marzullo, T. McKenzie, J. Nagro, A. Puzon, S. Schrock, B. Stevenson, T. Thomisee, M. VanBemmel, J. Welch, H. Welshoff, E. Yargeau, E.C. Munscher, A. Tuggle, J. Watson, T. Corbett, and D. Rosenbaum. 2023. [Aquatic turtle county records from trapping surveys in east Texas, USA](#). *Herpetological Review*. 54(1):84–86. (JIF = 0.22).
- *Hughes, N., **M. Gordon**, J. Nagro, E. Yargeau. 2022. [*Nerodia fasciata confluens* \(Broad-banded Watersnake\)](#). Geographic Distribution Update. *Herpetological Review* 53(3):446 (JIF = 0.28).
- Gordon, M.**, G.J. Guillen, C.J. Franklin, and V. Ricardez. 2021. [Malaclemys terrapin littoralis \(Texas Diamond-backed Terrapin\) – Malocclusion](#). *Herpetological Review* 52(4): 87–848 (JIF = 0.28).
- Alleman, B.J, R.E. Byrne, S.G. Curtis, **M.L. Gordon**, G.J. Guillen. 2015. [Graptemys pseudogeographica kohnii \(Mississippi Map Turtle\)](#). Geographic Distribution Update. *Herpetological Review*. 46: 565 (JIF = 0.28).

In Prep (tentative titles)

- Gordon, M.**, A.R. Krohn, D. Rosenbaum, E. Munscher, V. Ricardez, C.J. Franklin, J.J. Apodaca, L. Collins, G.J. Guillen, J.W. Oakley, D. Saenz, T. Sankey, C.M. Schalk, S. Scibetta, and A. Tuggle. *In prep*. Strong interpopulation divergence and low effective population sizes in Texas Alligator Snapping Turtles (*Macrochelys temminckii*). *Conservation Genetics*.
- *Nagro, J., M. Mokrech, **M. Gordon**, and G. Guillen. *In prep*. Effectiveness of drones for freshwater turtle surveys aimed toward detecting the cryptic Western Chicken Turtle (*Deirochelys reticularia miaria*). *Drones Special Issue: Advances in Wildlife Research*.
- *Garcia, K, **M. Gordon**, E. Munscher, V. Ricardez, C.J. Franklin. *In prep*. *Macrochelys temminckii* (Alligator Snapping Turtle). Metal detection. *Herpetological Review*.

SELECT TECHNICAL REPORTS

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- Gordon, M.**, B. Giles, K. Garcia, J.J. Apodaca, D.R. Bontrager, J. Kittle, E. Munscher, J. Oakley, T. Sankey, A. Tuggle, and G. Guillen. 2023. [Baseline study of Alligator Snapping Turtle \(*Macrochelys temminckii*\) population viability in Texas watersheds, Final Report](#). (Report No. EIH23-002). Prepared for the Texas Comptroller of Public Accounts (Contract 20-6997BG). 133 pp.
- Gordon, M.**, J. Nagro, D. DeChellis, J.J. Apodaca, D. Bush, M. Mokrech, J. Oakley, L. Speight, B. Stevenson, J. Welch, and G. Guillen. 2023. [Distribution and habitat association of Western Chicken Turtles \(*Deirochelys reticularia miaria*\) in](#)
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- [Texas, Final Report](#). (Report No. EIH23-001). Prepared for the Texas Comptroller of Public Accounts (Contract 20-6997BG). 107 pp.
- Gordon, M.** and J. Oakley. 2022. [San Felipe creek restoration project: Devils River Minnow \(*Dionda diaboli*\)](#). EIH Report 22-001, 11pp.
- Gordon, M.L.**, J. Nagro, M. Mokrech, J. Oakley, and G. Guillen. 2021. [Preliminary development of aquatic turtle aerial and eDNA survey methods in the Sabine River Basin](#). EIH Report 21-003. 28pp.
- Guillen, G., J. Oakley, C. Scanes, and **M. Gordon**. 2019. [Texas coast-wide characterization of the saltmarsh topminnow \(*Fundulus jenkinsi*\)](#). EIH Report 19-001. 95 pp.
- Oakley, J.W., **M. Gordon**, and G. Guillen. 2018. [Little White Oak Bayou at Trimble Rd. biological monitoring summary packet](#). Houston-Galveston Area Council. Houston, TX, 27 pp.
- Oakley, J., **M. Gordon**, G. Guillen. 2017. [Biological monitoring summary packet: Mill Creek at FM 149](#). Houston-Galveston Area Council. Houston, TX. 46 pp.
- Oakley, J., **M. Gordon**, G. Guillen. 2017. BIOLOGICAL MONITORING SUMMARY PACKETS: [Wichita River at FM 810](#) and [Beaver Creek at FM 2326](#). Red River Authority. Wichita Falls, TX.
- Guillen, G., **A. Gordon**, J. Oakley, M. Mokrech. 2016. [Trinity River delta and upper Trinity Bay *Rangia* population assessment](#). National Wildlife Federation. Austin, TX. 58 pp.
- Guillen, G., **M. L. Gordon**, J. Oakley, M. Mokrech, B. Alleman, R. George, D. Bush. 2015. [Population survey of the Texas Diamondback Terrapin, *Malaclemys terrapin littoralis*, in San Antonio Bay, Matagorda Bay, and Sabine Lake](#). Texas Parks and Wildlife Department. Austin, TX. 194 pp.
- Metz, T., **M. L. Gordon**, G. Guillen. 2014. [Tracking the incidence of fibropapilloma virus in Texas' green sea turtle \(*Chelonia mydas*\) population](#). Texas State Aquarium. Corpus Christi, TX. 6 pp.
- Guillen, G., **A. Moss**, J. Oakley, S. Curtis. 2014. BIOLOGICAL MONITORING SUMMARY PACKETS: [Cedar Bayou Above Tidal at FM 1942](#) and [Cedar Bayou Above Tidal at US 90](#). Houston-Galveston Area Council. Houston, TX.
- Guillen, G., M. Mokrech, J. Oakley, **A. Moss**. 2014. [Armand Bayou water quality improvement grant: UHCL created stormwater treatment wetland](#). Galveston Bay Estuary Program. 137 pp.
- Guillen, G., J.W. Oakley, **A. Moss**, M. Shepard. 2013. [Aquatic Life Monitoring study report](#). Houston-Galveston Area Council and TCEQ. Houston, TX: EIH. 68 pp.
- Guillen, G., **A. Moss**, J. Oakley. 2013. BIOLOGICAL MONITORING SUMMARY PACKETS: [Cedar Bayou Above Tidal at FM 1942](#) and [Cedar Bayou Above Tidal at US 90](#). Houston-Galv. Area Council. Houston, TX.
- Guillen, G., J.W. Oakley, M. Shepard, **A.L. Moss**, K. Vale. 2012. [Springwoods subdivision study](#). Harris County Flood Control District. Houston, TX: EIH. 81 pp.
- Guillen, G., M. Mokrech, J.W. Oakley, M. Shepard., K. Vale, **A.L. Moss**. 2012. [Harris County Texas comprehensive turbidity study results report](#). Harris County Flood Control District. Houston, TX: EIH. 141 pp.

SELECT PRESENTATIONS AND INVITED TALKS

**Student or mentee*

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- Munscher, E.C., **M. Gordon**, T. Sankey, A. Tuggle, A. Walde, K. Garcia*, and B. Giles. 2023. [Hidden in plain sight: Alligator Snapping Turtle \(*Macrochelys temminckii*\) populations within urban waterways of Houston, Texas, Harris County, USA](#). 2023 International Urban Wildlife Conference. Washington, D.C. Presentation.
- *DeChellis, D., M. Mokrech, **M. Gordon**, and G. Guillen. 2023. [Influence of ecological and anthropogenic factors on the distribution and habitat associations of Western Chicken Turtles \(*Deirochelys reticularia miaria*\) in Texas](#). Cypress and Sulphur Basin Clean Rivers Program Stakeholder Annual Meeting. Virtual presentation.
- *DeChellis, D., M. Mokrech, **M. Gordon**, and G. Guillen. 2023. [Species distribution modeling for the Western Chicken Turtle \(*Deirochelys reticularia miaria*\) in Texas](#). Houston Regional Ecology and Evolution Symposium. Presentation.
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- *Garcia, K., **M. Gordon**, and G. Guillen. 2023. [Evaluation of anthropogenic disturbances of Alligator Snapping Turtles \(*Macrochelys temminckii*\)](#). Cypress and Sulphur Basin Clean Rivers Program Stakeholder Annual Meeting. Virtual presentation.
- Gordon, M.**, J. Nagro*, D. DeChellis*, L. Collins, H. Nelson, J.J. Apodaca, J. Oakley, and G.J. Guillen. 2023. [Use of environmental DNA in wetland habitats for detecting cryptic species: A case study on the Western Chicken Turtle \(*Deirochelys reticularia miaria*\)](#). 2023 Texas Chapter of The Wildlife Society. Houston, TX. Presentation
- Gordon, M.** 2022. [Northeast Texas aquatic turtle surveys: Western Chicken Turtles and Alligator Snapping Turtles](#). Sulphur River Basin Authority and Northeast Texas Municipal Water District Stakeholder Meetings. Virtual presentation.
- *Nagro, J., **M. Gordon**, M. Mokrech, and G. Guillen. 2022. [Birds eye view: Preliminary use of small unmanned aerials systems \(sUAS\) for aquatic turtle surveys](#). 125th Texas Academy of Science Annual Meeting. Houston, TX. Presentation
- *Garcia, K., **M. Gordon**, E. Munscher, A. Tuggle, C. Franklin, V. Ricardez, and G. Guillen. 2022. [Do anthropogenic stressors affect distribution of Alligator Snapping Turtles \(*Macrochelys temminckii*\) in Texas? Preliminary study design](#). 125th Texas Academy of Science Annual Meeting. Houston, TX. Presentation.
- *DeChellis, D., G. Guillen, and **M. Gordon**. 2022. [Preliminary analyses of landscape-scale impacts on Western Chicken Turtles in Texas](#). 125th Texas Academy of Science Annual Meeting. Houston, TX. Presentation.
- Gordon, M.**, L. Speight, A. Collins. 2022. [Nose to the ground: Using detector dogs to sniff out the cryptic Western Chicken Turtle \(*Deirochelys reticularia miaria*\)](#). 125th Texas Academy of Science Annual Meeting. Houston, TX. Presentation (presented by D. DeChellis).
- Gordon, M.** 2021. [East Texas aquatic turtle surveys: Western Chicken Turtles and Alligator Snapping Turtles](#). Cypress Basin CRP Stakeholder Meeting. Virtual Presentation.
- Gordon, M.** 2021. [Western Chicken Turtle project updates, online reporting tool debut, and announcement of Alligator Snapping Turtle Project](#). East Texas Initiative Stakeholder Meeting. Virtual Presentation.
- Gordon, M.** 2020. [Can eDNA identify the needle in a haystack: Searching for the Western Chicken Turtle in Texas](#). East Texas Initiative Stakeholder Meeting. Virtual Presentation.
- Metz., T.L., **M. Gordon**, M. Mokrech, and G. Guillen. 2020. [Movements of juvenile Green turtles \(*Chelonia mydas*\) in nearshore waters of the northwestern Gulf of Mexico](#). 5th Southeast Regional Sea Turtle Symposium, Corpus Christi, TX. Presentation.
- Gordon, M.**, J. Oakley, G. Guillen. 2019. [Staying close to home: Seasonality and site fidelity of an insular population of Texas Diamond-backed Terrapins as determined by acoustic telemetry](#). 8th Triennial Meeting of the Diamondback Terrapin Working Groups. Wilmington, NC. Presentation.
- *Chau, K. and **M. Gordon**. 2019. [Tracking invasives in Texas: a comparison of spatial distribution of invasive fish over the last decade](#). Annual meeting of the Texas Academy of Sciences, Brownwood, TX. Poster.
- Gordon, M.** 2018. [National Aquatic Resource Surveys – Monitoring our state](#). 32nd Annual Surface Water Quality meeting of the Texas Commission on Environmental Quality, Hunt, TX. Presentation.
- Guillen, G., C. Scanes, **M. Gordon**, T. Swanson, J. Oakley. 2018. [The influence of freshwater inflow on the estuarine nekton of a tidal river](#). TCAFS, College Station, TX. Presentation.
- J. Oakley, C. Scanes, **M. Gordon**, G. Guillen. 2018. [Recovery of Galveston Bay saltmarsh nekton communities after Hurricane Harvey](#). Texas Chapter of the American Fisheries Society, College Station, TX. Poster.
- Guillen, G., J. Oakley, N. Johns, **M. Gordon**. 2016. [Influence of freshwater inflow on the occurrence of Water Celery and the abundance and health of Atlantic *Rangia* in the Trinity River Delta, Galveston Bay, Texas](#). Restore America's Estuaries. New Orleans, LA. Poster.
- Guillen, G., **M. Gordon**, S. Curtis, J. Oakley. 2016. [The influence of freshwater inflow on water quality and nekton communities of the Brazos River Estuary, Texas](#). Restoring America's Estuaries. New Orleans, LA. Poster.
- Oakley, J., **M. Gordon**, G. Guillen. 2016. [National Aquatic Resource Surveys: Applications for state wetland condition monitoring and assessment](#). Society of Wetland Scientists, Corpus Christi, TX. Presentation.

- Curtis, S., J. Oakley, **M. Gordon**, G. Guillen. 2016. [Development of methodology to validate freshwater needs of the Brazos River estuary](#). Texas Chapter of the American Fisheries Society, Kerrville, TX. Presentation.
- Guillen, G., S. Curtis, J. Oakley, **M. Gordon**. 2016. [Influence of freshwater inflow on nekton of the Brazos River estuary](#). Texas Chapter of the American Fisheries Society, Kerrville, TX. Presentation.
- Curtis, S., J. Oakley, **M. Gordon**, and G. Guillen. 2015. [Influence of instream flow and tides on water quality of the Brazos River Estuary, Texas](#). American Fisheries Society, Portland, OR. Poster.
- Curtis, S., J. Oakley, **M. Gordon**, and G. Guillen. 2015. [Effects of freshwater inflow and tides on water quality of the Brazos River Estuary](#). Texas Bays and Estuaries Meeting, Port Aransas, TX. Poster.
- Gordon, M.L.**, T.L. Metz, G. Guillen. 2015. [Relative abundance and distribution of juvenile sea turtles along the mid-lower Texas coast based on directed capture](#). 2nd SERSTM, Jekyll Island, GA. Poster.
- Metz, T.L., **M.L. Gordon**, J. Anderson, G.J. Guillen. 2015. [Documentation of fibropapillomatosis in Green turtles \(*Chelonia mydas*\) captured from Texas inshore waters](#). Texas Bays and Estuaries Meeting, Port Aransas, TX. Presentation.
- Moss, A.**, G. Guillen. 2014. [Mid-upper coast surveys of Texas Diamondback Terrapin](#). 1st Meeting of the Texas Diamondback Terrapin Working Group, Corpus Christi, TX. Presentation.
- Moss, A.**, G. Guillen, B. Alleman, R. George. 2014. [Population survey of the Texas Diamondback Terrapin in San Antonio Bay, Matagorda Bay, and Sabine Lake: Preliminary results](#). 1st Mission-Aransas National Wildlife Refuge Research Symposium, Port Aransas, TX. Presentation.
- Metz, T.L., **A.L. Moss**. 2014. Movements of rehabilitated Loggerhead Sea Turtles (*Caretta caretta*) in the northwestern Gulf of Mexico. Belskis, L, Frey, A., Jensen, M., LeRoux, R., and Stewert, K., compilers. In: [Proceedings of the Thirty-fourth Annual Symposium on Sea Turtle Biology and Conservation](#). NOAA Technical Memorandum NMFS-SEFSC-701. 276 pp.
- Metz, T.L., A.M. Landry, **A.L. Moss**, K.I. St. Clair. 2012. Movements of juvenile Green turtles (*Chelonia mydas*) in nearshore waters of the northwestern Gulf of Mexico. Jones, T., Todd and Wallace, Bryan P., compilers. In: [Proceedings of the Thirty-first Annual Symposium on Sea Turtle Biology and Conservation](#). NOAA Technical Memorandum NMFS-SEFSC-631, 306 pp.
- Moss, A.L.** 2010. [Seasonal testosterone and reproductive cycles in Yellow-Bellied Slider turtles \(*Trachemys scripta scripta*\)](#). M.S. Thesis. Georgia Southern University, Statesboro, GA.
- Moss, A.L.**, T. Wibbels, D. Rostal. 2010. Annual reproductive cycles of male and female Yellow-Bellied Sliders (*Trachemys s. scripta*) from two populations in Georgia exposed to different water temperature regimes. In: [Joint Meeting of Ichthyologists and Herpetologists Abstract Book](#). 560 pp.
- Moss, A.L.**, D.C. Rostal. 2010. Use of ultrasound, x-ray, and oxytocin to determine reproductive state of female *Trachemys s. scripta* not collected at the nesting site. In: [Joint Meeting of Ichthyologists and Herpetologists Abstract Book](#). 560 pp.
- Marshall, C.D., **A.L. Moss**, A. Guzman. 2009. [Loggerhead Sea Turtle \(*Caretta caretta*\) feeding on mackerel-baited longline hooks](#). Society for Integrative and Comparative Biology, Boston, MA. Poster.
- Teare, A., D. Rostal, P. Marley, **A.L. Moss**. 2009. [Reproductive biology of the Alligator Snapping turtle \(*Macrochelys temminckii*\)](#). Society for Integrative and Comparative Biology, Boston, MA. Poster.
- Moss, A.L.**, C.D. Marshall. 2007. A gross morphological and histocytological analysis of gastrointestinal function in Pygmy and Dwarf Sperm Whales (*Kogia breviceps* and *K. sima*). DeYoe, H. and B. Murphy, *Program Chair & Program Editor*. In: [110th Annual Meeting of the Texas Academy of Science Program and Abstracts](#). 77, #63.
- Marshall, C.D., **Moss, A.L.** 2007. [Functional morphology of inking behavior in Pygmy and Dwarf sperm whales](#). In: Integrative and Comparative Biology. 46, E227.

CONCURRENT ACTIVITIES

- *Graduate student mentorship*: 5 total (2020-present)
- *Undergraduate student mentorship*: 5 total (2021-present)
- *Direct reports supervised*: 47 total (2016-present)
- *Collaborations funded by other institutions*: [years(s), *project title*, list of collaborating agencies]
 - 2021-present *Population monitoring of Alligator Snapping Turtles in Harris County, Texas*; in partnership with SWCA Environmental and the Turtle Survival Alliance
 - 2021-present *Health assessment of Alligator Snapping Turtles in east Texas*; in partnership with Texas Turtles, Sea Life Aquarium Grapevine, and Sea World San Antonio
- *Special Interest Groups*:
 - 2023-present **Gulf of Mexico Alliance Marine Wildlife & Fisheries Cross Team** | *Stakeholder*
Team compiled of researchers, educators, and agency professionals and coordinated by the Gulf of Mexico Alliance (GOMA) with the goal of addressing concerns for wildlife and fisheries conservation.
 - 2023-present **Gulf of Mexico Alliance Marine Debris Cross Team** | *Stakeholder*
Team compiled of researchers, educators, and agency professionals and coordinated by the Gulf of Mexico Alliance (GOMA) with the goal of addressing the issue of marine debris in the Gulf through prevention, research, and removal efforts.
 - 2023 **Environmental DNA Workshop and Symposium** | *Plenary speaker*
Workshop and associated symposium developed to discuss current applications of environmental DNA sampling in Texas and address critical issues to implementation.
 - 2022-present **Alligator Snapping Turtle Expert Panel** | *Subject Matter Expert*
Task force developed by the U.S. Fish and Wildlife Service (USFWS) with the goal of providing updated/current data to guide the USFWS Species Status Assessment process prior to final decision on inclusion of the species under the Endangered Species Act.
 - 2021-present **Western Chicken Turtle Expert Panel** | *Subject Matter Expert*
Task force developed by the U.S. Fish and Wildlife Service (USFWS) with the goal of providing updated/current data to guide the USFWS Species Status Assessment process prior to consideration of inclusion of the species under the Endangered Species Act.
 - 2020-2022 **East Texas Endangered and Threatened Species Workgroup** | *Stakeholder*
Workgroup developed by the Texas Comptroller of Public accounts with the goal of disseminating information for ongoing research and work related to threatened, endangered, or species of concern in watersheds of east Texas.
 - 2019-2022 **Conservation Action Plan Technical Advisory Board** | *Advisory Team Member*
Advisory Board developed by The Nature Conservancy-Mississippi for creation of a [Conservation Action Plan for Diamondback Terrapins in the Gulf of Mexico](#).
 - 2018-2020 **National Aquatic Surveys Working Group** | *Invited Member*
Working Group compiled by the U.S. Environmental Protection Agency aimed at improving protocols and logistics for training for the National Aquatic Resources Surveys.
 - 2008-2009 **Georgia Freshwater Stakeholder Working Group** | *Member*
Working group compiled by the Georgia Department of Natural Resources aimed at planning for conservation actions of the “Unlucky 13” (aquatic species with no restrictions on take or fisheries).
- *Reviewer*: THE WILDLIFE SOCIETY (travel grant reviewer for 2022 and 2023 national conference); NATIONAL MONITORING CONFERENCE (session reviewer and assistant planner, 2021)

- *Judge for student awards:* THE HOUSTON REGIONAL ECOLOGY AND EVOLUTION SYMPOSIUM (presentation judge, 2024); SOUTHEASTERN ASSOCIATION OF FISH AND WILDLIFE AGENCIES ANNUAL CONFERENCE (student poster competition evaluator, 2021)
- *Curriculum development for professional advancement:* [SURFACE WATER QUALITY MONITORING TRAINING](#) (lead trainer, 2016-Present)
- *Acting trainer for professional advancement:* NATIONAL RIVERS AND STREAMS ASSESSMENT (station trainer for USEPA regions 6, 7, and 9, 2018-2019, 2023); PERIPHYTON SAMPLING TECHNIQUES FOR TEXAS RIVERS AND STREAMS (training station leader, 2018); UTV SAFETY (trainer, 2016)
- *Public outreach and education:* TEXAS COASTAL PRAIRIE CONFERENCE (field trip host, 2022); BAY DAY FESTIVAL (educational exhibitor, 2016); TEXAS ENVIROTHON (station leader and grader, 2014); ALPHA CLASS elementary education presentations (guest instructor, 2014); NATIVE TURTLES OF GEORGIA elementary education presentations (lead facilitator, 2009)
- *Volunteer Work:* FIELD ASSISTANT for Texas Turtles Snapperpalooza Surveys (2021-present); FIELD ASSISTANT for Turtle Survival Alliance and North American Freshwater Turtle Research Group long-term monitoring surveys (2020-Present); ENFORCER for Penny Arcade Expo (2017-2019; activity suspended due to COVID-19); PATROLLER for Galveston Sea Turtle Nesting Patrol (2016-2018); VESSEL CAPTAIN for Christmas Bird Count (2016-2018); FIELD ASSISTANT for North American Freshwater Turtle Research Group Comal River Turtle Survey (2014); STATION DOCENT for Houston Zoo (2013-2014); EDUCATIONAL DOCENT for Houston Museum of Natural Science (2013-2014); CHAIRWOMAN for TAMUG Big Event Committee (2006); CO-CHAIRMAN for Flight Line Safety at Experimental Aircraft Association – Airventure (2000-2010)
- *Leadership training:* UHCL ASCEND TRAINING PROGRAM (2022-present; courses attended: Coaching, Performance Assessment Foundations, New Supervisor Foundations)

ADDITIONAL TRAINING AND CERTIFICATIONS

- 2022 Texas Driver’s Safety (since 2011; expires 2025)
- 2021 First Aid and CPR (since 1999; expires 2023)
- 2020 National Coastal Condition Assessment Field Training (US EPA; *virtual*)
- 2017 National Lakes Assessment Field Training (US EPA)
- 2016 Wilderness First Aid (National Outdoor Leadership School)
- 2016 National Wetland Condition Assessment Field Training (US EPA)
- 2016 Introduction to Plant Taxonomy and Using a Dichotomous Key (TPWD)
- 2016 Analysis of Multivariate Data from Ecology and Environmental Science using PRIMER v7
- 2015 USACoE Wetland Delineation, US Waters, and Regional Supplement Training (SHSU)
- 2015 National Coastal Condition Assessment Field Training (US EPA)
- 2011 National Wetland Condition Assessment Field Training (US EPA)
- 2007 Texas Boaters Education Certification (TPWD)

PROFESSIONAL SOCIETY MEMBERSHIPS

- | | |
|-------------------------------------------------------|-----------------------------------------|
| American Society of Ichthyologists and Herpetologists | Southwestern Association of Naturalists |
| Diamondback Terrapin Working Group | Texas Chapter of the Wildlife Society |
| Herpetologists League | The Wildlife Society |
| Society for Integrative and Comparative Biology | Texas Herpetological Society |
| Society for Study of Amphibians and Reptiles | |

ACTIVE INSTITUTIONAL, STATE, AND FEDERAL PERMITS AND PROTOCOLS

Format for following: Permit Number (NA if none assigned); Role; Permit Agency and Type; Permit Status

SPR-0321-026	Permittee	TPWD Scientific Permit for Research	Active through 03/2027
SPR-0519-089	Sub-permittee	TPWD Scientific Permit for Research	Active through 02/2027
0224.001.R0	PI	UHCL IACUC Protocol – Aquatic Turtles of Texas	Active through 02/2027
SPR-0504-383	Sub-permittee	TPWD Scientific Permit for Research	Active through 05/2025
TE30430B-1	Sub-permittee	USFWS Endangered & Threatened Wildlife Permit	Active through 05/2025

RELATED SKILLS AND TECHNICAL EXPERTISE

Boating/Trailer	> 1,000 hours operating outboard motor vessels ranging from 14’ to 25’ on coastal, estuarine, and freshwater bodies; proficient at trailering
Wildlife Surveying	Hoop, pitfall, basking, and Have-a-Heart trapping; visual observation with spotting scope and binoculars; road, nesting, and walking transect wildlife surveys; PIT tagging; flipper tagging; sub-carapacial and caudal blood draws; ultrasound and x-ray; radio and acoustic telemetry; game camera installation, maintenance, and data analyses
Environment Sampling	Suspended-sediment profile sampling; flow monitoring (point velocity, doppler); installation and maintenance of flow monitoring stations (YSI Amazon Bubbler system); water grab, composite, and profile sampling; various preservation methods (including sodium thiosulfate, sulfuric acid, and dry ice/liquid nitrogen); environmental DNA (eDNA) sampling for water and soils;
Nekton Sampling	Fyke and gill nets; bag and pole seines; otter, beam, and plankton trawls; Breder and minnow trapping; electrofishing (backpack, barge, and boat); hook and line; Van Dorn, Ekman and ponar benthic samplers
Laboratory Analyses	TSS, enterococci, chlorophyll, and eDNA filtering; benthic sorting; invertebrate library cataloguing and organization; histology (sample preservation, processing, sectioning, staining, and cell counts)
General Equipment	Multiparameter sonde maintenance and calibration (YSI ProDSS, YSI 600XLM, YSI 6920); in situ datalogger maintenance, installation, calibration, and operation (Onset HOBO U24 & 26, In-Situ BaroTROLL); secchi disk and tube; orienteering/navigation via compass and handheld/mounted GPS units; densiometer; surveyor level and stadia rod; range finder
Software	Microsoft Office Suite (Word, PowerPoint, Outlook, Publisher, and Excel); Adobe Acrobat; ArcGIS Pro; Google Earth Pro; SigmaPlot 14.5; R, RStudio, and RShiny; EndNote; Garmin Basecamp; Humminbird; OpenCPN; FlowTracker; RiverSurveyorLive; HOBOWare; Win-Situ Baro Merge; VEMCO Vue