
EDUCATION

M.S. BIOLOGY	Georgia Southern University (GSU)	2010
B.S. MARINE BIOLOGY	Texas A&M University at Galveston (TAMUG)	2007

PROFESSIONAL BACKGROUND

- 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
 - Procurement of grant funds; data management; reporting and publication of findings
- National Trainer** Mar. – May 2018, 2019, 2023
Great Lakes Environmental Center (GLEC) – Athens, GA; Folsom, CA; Jefferson, TX; Kansas City, MO
- Trainer and evaluator in U.S. Environmental Protection Agency (USEPA) Regions 6, 7, and 9
- Senior Research Associate** May 2013 – Jun. 2016
EIH-UHCL – Houston, TX
- Lead field crews of 2-6 individuals in state-wide monitoring 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
- Graduate Assistant – Research & Teaching** Jan. 2008 – Dec. 2010
Department of Biology; GSU – Statesboro, GA Jun. 2008 – Dec. 2010
Vertebrate Comparative Physiology and Eco-Morphology Lab; TAMUG – Galveston, TX Jan. 2008 – May 2008
- GSU: developed, managed, and completed thesis project with emphasis on field & lab analyses; instructor for Environmental Science and Microbiology labs; supplemental instructor for Genetics courses
 - TAMUG: grader for Natural History of Vertebrates course; assisted with lab setup, tear down, and exams
- Undergraduate Research Assistant & Research Fellow** Aug. 2005 – May 2008
Sea Turtle and Fisheries Ecology Research Lab (STFERL); TAMUG – Galveston, TX
Vertebrate Comparative Physiology and Eco-Morphology Lab (Vert. Eco.); TAMUG – Galveston, TX
Texas Institute of Oceanography (TIO) – Galveston, TX
- STFERL: assisted in sea turtle netting surveys along Texas and Louisiana coast
 - Vert. Eco.: managed histology lab and assisted graduate students on various projects
 - TIO: Proposed, performed, and presented independent undergraduate research project
- Undergraduate Student Worker** Jan. 2005- Dec. 2007
Marine Biology Department, TAMUG – Galveston, TX
- Responsible for procurement of supplies for labs, organizing departmental files, handling confidential student files, scheduling registration/advisory meetings, and assisted with balancing laboratory budgets
 - Cleaned fish tanks, fed animals, and assisted laboratory aides with set up and tear down

SELECT RESEARCH GRANTS

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

Awarded (PI or Co-PI cumulative: \$868,351)

- 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)
- 2008-10 Thermal Effects on Reproductive Physiology of Freshwater Turtles. University and Professional Society Mini-Grants. PI. (\$2,700 cumulative)
- 2006-07 Functional Morphology of Inking Behavior in Pygmy and Dwarf Sperm Whales (*Kogia breviceps* and *K. sima*). University and Professional Society Mini-Grants. Co-PI (\$1,000 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)

Pending (PI, Co-PI, or Project Management; cumulative: \$1.57M)

- In prep Toward evaluating impaired waterways in underserved communities of the greater Houston region. Submitted to the Jacob and Terese Hershey Foundation 2023 Cycle 1. Lead PI (TBD)
- Pending Implementation of Standardized Methods to Assess Feasibility of Louisiana Pinesnake (*Pituophis ruthveni*) Reintroduction or Recovery in the Private Working Forests of East Texas. Submitted to Texas Comptroller of Public Accounts. Lead PI. (\$125,000).

- Pending Microplastic Distribution and Impacts to Diamond-backed Terrapin, Highlighting Public Education and Future Effects of Sea-Level Rise. Submitted to Matagorda Bay Mitigation Trust. Lead PI. (\$499,999.91).
- Pending Sabine River Freshwater Fishes Survey. Submitted to Texas Comptroller of Public Accounts. Project Manager. (\$450,000)
- Pending Neches River Freshwater Fishes Survey. Submitted to Texas Comptroller of Public Accounts. Project Manager. (\$500,000)

ADDITIONAL PROJECT EXPERIENCE

Format for following: Project duration; Project short title (funding agency initials); Role in project

2018-2019	Bio-indicators of Freshwater Inflow, Trinity Delta (GBEP)	<i>Field Team Lead</i>
2018-2019	Refinement of Flow Standards for the Brazos Estuary (TWDB)	<i>Field Team Lead</i>
2017-2019	Basin 11 & 13 Flow Validation & Biological Monitoring (H-GAC)	<i>Field Team Lead</i>
2017	Biological Monitoring of the Tres Palacios River (NWF)	<i>Field Team Lead</i>
2016-2018	Population Distribution & Status of Saltmarsh Topminnow (USFWS)	<i>Field Team Lead</i>
2016-2017	Water Quality & Biological Monitoring of the Trinity River (NWF)	<i>Field Team Lead</i>
2016-2017	Brazos Basin Flow Monitoring Study (TWDB)	<i>Field Assistant</i>
2016-2017	<i>Rangia</i> Sampling & Population Assessment (NWF)	<i>Field Assistant</i>
2015	National Coastal Condition Assessment - Texas (USEPA/TCEQ)	<i>Field Crew Member</i>
2014-2015	Brazos Basin Environmental Flow Validation & Estuary Response (TWDB)	<i>Field Team Lead</i>
2014-2015	DermoWatch Oyster Monitoring Program (TAMU)	<i>Field Assistant</i>
2013-2014	National Rivers and Streams Assessment - Texas (USEPA/TCEQ)	<i>Field Crew Member</i>
2013-2014	Cedar Bayou Watershed Water Quality Monitoring Project (HGAC)	<i>Field Assistant</i>
2013-2014	San Bernard Watershed Water Quality Monitoring Project (HGAC)	<i>Field Assistant</i>
2013	Bycatch Mortality Study on Texas Diamondback Terrapin (TPWD/USFWS)	<i>Field Assistant</i>
2013-Present	Galveston Bay Dolphin Monitoring Program (partnered with GBF)	<i>Boat Captain</i>
2011-2014	UHCL Created Stormwater Treatment Wetland Project (TCEQ/GBEP)	<i>Field Assistant</i>
2011-2012	Comprehensive Turbidity Study of Harris County (HCFCD)	<i>Field Team Lead</i>
2011-2012	Cedar Bayou Biological Monitoring Project (HGAC)	<i>Field Team Lead</i>
2011-2012	Springwood Development Project (HCFCD)	<i>Field Team Lead</i>
2011	National Wetland Condition Assessment (USEPA/TCEQ)	<i>Field Crew Member</i>
2011	Recreational Use Attainability Assessment – San Bernard (TCEQ)	<i>Field Crew Member</i>
2011-Present	Texas Clean Rivers Program (HGAC)	<i>Field Team Lead</i>
2010	Reproductive Biology of American Alligators (GSU)	<i>Field Crew Member</i>
2009-2010	Hormonal Cycles of Captive Radiated Tortoises (GSU)	<i>Field Crew Member</i>
2009-2010	Reproductive Biology of Alligator Snapping Turtles (GSU)	<i>Field Crew Member</i>
2008-2009	Nesting Physiology & Hatchling Success of Gopher Tortoises (GSU)	<i>Field Crew Member</i>
2007-2011	Long-term Monitoring of Juvenile Sea Turtles in Texas (STFERL-TAMUG)	<i>Field Crew Member</i>
2007	Ontogeny of Bite Force in Loggerhead Sea Turtles (TAMUG)	<i>Data Analyst</i>

PUBLICATIONS AND PROCEEDINGS

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In Review

- Gordon, M.L.**, S. Curtis, S. Whitley, S. Robertson, G. Weiberg, K. Strickland, and J.W. Oakley. In prep. UPDATED FISH SPECIES INVENTORY FOR UPPER SAN FELIPE CREEK, DEL RIO, VAL VERDE COUNTY, TEXAS, USA. Submitted to *The Southwestern Naturalist*.
- Marshall, C.D., L.E. Simonitis, K. Kaiser, M.B. Gahn, W.A. McClellan, F. Rivera-Irizarry, C. Ginter-Summerall, B. Bloodworth, **M. Gordon**, C. Manire, N.D. Pyenson, S. Parsons, D. Raubenheimer, and S. Plön. In review. WHALES EVOLVED SQUID-LIKE INKING TO DETER PREDATORS. Submitted to *Science Advances*.

In Print

- 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, M. VanBemmel, J. Welch, H. Welshoff, E. Yargeau, E.C. Munscher, A. Tuggle, J. Watson, T. Corbett, and D. Rosenbaum. *Accepted*. AQUATIC TURTLE COUNTY RECORDS FROM TRAPPING SURVEYS IN EAST TEXAS. *Herpetological Review*. XX(X): XX–XX.
- Glorioso, B., J. Carr, C. Franklin, **M. Gordon**, A. Johnson, E. Kessler, E. Munscher, L. Pearson, and V. Ricardez. *Accepted*. CONDITION AND COLORATION OF LINGUAL LURES OF ALLIGATOR SNAPPING TURTLES. *The Southeastern Naturalist (Macrochelys Special Issue)*. XX(X): XX–XX.
- Gordon, M.**, D.J. Bontrager, J. Watson, T. Corbett, C. Crawford, C. Franklin, B. Kirby, E. Munscher, V. Ricardez, and A. Tuggle. *Accepted*. USING LOCAL ECOLOGICAL KNOWLEDGE TO DOCUMENT DISTRIBUTION AND TEMPORAL PATTERNS OF *MACROCHELYS TEMMINCKII* IN TEXAS. *The Southeastern Naturalist (Macrochelys Special Issue)*. XX(X): XX–XX.
- Steen, D.A., J.L. Carr, 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, and D.J. Stevenson. *Accepted*. NESTING EMERGENCES AND OTHER TERRESTRIAL MOVEMENTS OF *MACROCHELYS* (TESTUDINES: CHELYDRIDAE). *The Southeastern Naturalist (Macrochelys Special Issue)*. XX(X): XX–XX.
- Hughes, N., **M. Gordon**, J. Nagro, E. Yargeau. 2022. [NERODIA FASCIATA CONFLUENS \(BROAD-BANDED WATERSNAKE\)](#). Geographic Distribution Update. *Herpetological Review* 53(3):446.
- 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.
- 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
- 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
- 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.
- 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.
- 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.

In Prep (tentative titles)

- Gordon, M.**, T.L. Metz, J. Anderson, G. Guillen. *In prep*. OBSERVATIONS OF FIBROPAPILLOMATOSIS IN JUVENILE GREEN SEA TURTLES (*CHELONIA MYDAS*) CAPTURED IN NEAR-SHORE WATERS OF THE TEXAS COAST. *Marine Turtle Newsletter*.
- Gordon, M.**, J.W. Oakley, and G.J. Guillen. *In prep*. SEASONALITY AND SITE FIDELITY OF AN INSULAR POPULATION OF DIAMONDBACK TERRAPIN (*MALACLEMYS TERRAPIN LITTORALIS*) DETERMINED BY ACOUSTIC TELEMETRY. *Biotelemetry*.
- Gordon, M.**, T. Wibbels, D.C. Rostal. *In prep*. EFFECTS OF AMBIENT TEMPERATURE ON SEASONAL TESTOSTERONE CYCLES OF *TRACHEMYS S. SCRIPTA*: A NATURAL EXPERIMENT. *General and Comparative Endocrinology*.
- Guillen, G.J. and **M.L. Gordon**. *In prep*. HISTORY OF DIAMOND-BACKED TERRAPIN (*MALACLEMYS TERRAPIN*) IN TEXAS WITH NOTES ON RECENT POPULATION DISTRIBUTION. *Herpetological Monographs*.

SELECT TECHNICAL REPORTS

- 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

- 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 & 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 AERIAL 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 & ALLIGATOR SNAPPING TURTLES](#). Cypress Basin CRP Stakeholder Meeting. Virtual Presentation.
- Gordon, M.**, Baxter, A. 2021. UPDATES ON TERRAPIN RESEARCH IN TEXAS. Gulf States Marine Fisheries Commission TCC Crab Subcommittee 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.

- McDonald, C., LaDuc, T.J., Jackson, J., Jones, C., Hughes, R., and **M. Gordon**. 2020. ECOLOGICAL AND ECONOMIC IMPORTANCE OF ENDANGERED SPECIES RESEARCH AND VOLUNTARY CONSERVATION PROGRAMS IN TEXAS. Texas Land Conservation Conference, Austin, TX. Panel Presentation and Discussion.
- 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.
- Grunzke, D., S. Lehmann, S. Holdsworth, A. Yahnke, E. Jones, and **M. Gordon**. 2019. NARS WORKGROUP UPDATES: PROGRESS SINCE DEC. 2017 NATIONAL MEETING. National Monitoring Conference, National Aquatic Resource Surveys Session, Denver, CO. Invited Talk.
- 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 & ASSESSMENT](#). Society of Wetland Scientists, Corpus Christi, TX. Presentation.
- Metz, T., K. I. St. Clair, **M. Gordon**. 2016. MOVEMENTS OF JUVENILE KEMP'S RIDLEY SEA TURTLES (*LEPIDOCHELYS KEMPII*) FROM ESTUARINE WATERS OF THE NORTHWESTERN GULF OF MEXICO VIA SATELLITE TELEMETRY. Texas Bays and Estuaries Meeting, Port Aransas, 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.
- 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.** 2007. PYGMY AND DWARF SPERM WHALES: MAMMALS THAT INK? 1st TAMUG Student Research Symposium, Galveston, TX. Poster.

SELECT SEMINAR AND LECTURE PRESENTATIONS

- Gordon, M.** 2023. UPDATES TO TEXAS TURTLE PROJECTS. Sabine and Neches Master Naturalist Advanced Training Program. Educational Lecture.
- Gordon, M.** 2021. TEXAS AQUATIC TURTLE SURVEYS: 13 YEARS OF EXPLORATION. Beaumont Master Naturalist Advanced Training Program. Educational Lecture.
- Gordon, M.** 2020. EIH AQUATIC TURTLE SURVEYS: A 13 YEAR REVIEW. Environmental Institute of Houston Advisory Board. Virtual Educational Seminar.
- Gordon, M.** 2020. SEARCHING FOR THE TEXAS DIAMOND-BACKED TERRAPIN: 13 YEARS OF MARSH EXPLORATION. Liberty County Master Naturalist Advanced Training Program. Virtual Educational Seminar.
- Moss, A.L.** 2014. TEXAS DIAMONDBACK TERRAPIN (*MALACLEMYS TERRAPIN LITTORALIS*). J.D. Murphree Wildlife Management Area Staff, Port Arthur, TX. Educational Lecture.
- Moss, A.L.** 2012. ULTRASOUND IMAGING OF TURTLES. Environmental Institute of Houston staff and graduate students, Houston, TX. Educational Lecture.
- Moss, A.L.** 2010. REPRODUCTIVE BIOLOGY OF THE YELLOW-BELLIED SLIDER TURTLE (*TRACHEMYS SCRIPTA SCRIPTA*). Georgia Southern University Biology Department, Statesboro, GA. Educational Seminar.

CONCURRENT ACTIVITIES

- *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
- *Graduate student mentorship:* 3 total (2020-present) [active year(s), student name, thesis title]
 - 2021-present Kelly Garcia *Anthropogenic impacts to Alligator Snapping Turtles* (tentative)
 - 2020-present Danielle DeChellis *Western Chicken Turtle habitat associations* (tentative)
 - 2020-present Jason Nagro *Use of drones to monitor aquatic turtle populations* (tentative)
- *Undergraduate student mentorship:* 3 total (2021-present) [active year(s), student name, focal project]
 - 2023 Lauryn Fly Biological illustration of terrapin phenologic variation
 - 2022 Trey Hughes eDNA sample filtration and preparation
 - 2021 Tori Vourganas eDNA sample filtration and preparation
- *Direct reports supervised:* 40 total (2016-present)
- *Reviewer:* THE WILDLIFE SOCIETY (travel grant reviewer for 2022 national conference); NATIONAL MONITORING CONFERENCE (session reviewer and assistant planner, 2021); 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); PERIPHYTON SAMPLING TECHNIQUES FOR TEXAS RIVERS AND STREAMS (training station leader, 2018); UTV SAFETY (trainer, 2016)
- *Special Interest Groups:* U.S. Fish and Wildlife Service Alligator Snapping Turtle Expert Panel SUBJECT MATTER EXPERT (2022-present); U.S. Fish and Wildlife Service Western Chicken Turtle Expert Panel SUBJECT MATTER EXPERT (2021-present); East Texas Endangered and Threatened Species Workgroup STAKEHOLDER (2020-2022); [Conservation Action Plan for Diamondback Terrapins in the Gulf of Mexico](#) TECHNICAL ADVISORY BOARD MEMBER (2019-2022); NARS Association of Partners (National Aquatic Resource Surveys Working Group) INVITED MEMBER (2018-2020); Georgia Freshwater Stakeholder Working Group MEMBER (2008-2009)
- *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 (2022-23)

ADDITIONAL TRAINING AND CERTIFICATIONS

2022	Texas Driver's Safety (since 2011; expires 2025)
2021	First Aid and CPR (since 1999; expires 2023)
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/Protocol Number; Role; Permit Agency and Type; Permit Status*

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
SPR-0321-026	Permittee	TPWD Scientific Permit for Research	Active through 03/2024
SPR-0620-082	Sub-permittee	TPWD Scientific Permit for Research	Active through 06/2023
0320.001.R0-R2	Co-PI	UHCL IACUC Protocol - Aquatic Turtles of Texas	Active through 02/2023

RELATED SKILLS AND TECHNICAL EXPERTISE

Boating/Trailing	> 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 and maintenance
Environment Sampling	Suspended sediment profile sampling; flow monitoring (point velocity and 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); eDNA water and soil sampling
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 lab 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: Word, Powerpoint, Outlook, Publisher, and Excel; Adobe Acrobat DC; ArcGIS Pro; Google Earth Pro; EndNote; Garmin Basecamp; Humminbird; OpenCPN; SigmaPlot 14; FlowTracker; RiverSurveyorLive; HOBOWare; Win-Situ Baro Merge; VEMCO Vue