

Environmental Institute of Houston – University of Houston Clear Lake
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EDUCATION

- M.S. Biology, Georgia Southern University (GSU), 2010 GPA: 3.8/4.0
Emphasis on herpetology and endocrinology
- B.S. Marine Biology, Texas A&M University at Galveston (TAMUG), 2007 GPA: 3.1/4.0
Emphasis on marine vertebrate zoology and morphology

PROFESSIONAL EXPERIENCE

- Senior Biologist** July 2016 – *Present*
Environmental Institute of Houston, University of Houston-Clear Lake (EIH-UHCL) – Houston, TX
- Management of long-term monitoring studies in water quality, population dynamics, organismal health, etc. including coordination of field activities, personnel, private landowner permissions, and permitting
 - Procurement of grant funds; obtaining state, federal, and institutional permits
 - Similar responsibilities to Senior Research Associate below
- Senior Research Associate** May 2013 – June 2016
EIH-UHCL – Houston, TX
- Database management; data compilation, analysis & synthesis in to reports and manuscripts
 - Manage small teams in day to day field activities
 - Similar responsibilities to Research Associate below
- Research Associate** Feb. 2011 – Aug. 2012
EIH-UHCL – Houston, TX
- Completion of field data collection in line with project deliverables
 - General maintenance of equipment and gear for various projects
 - Data entry & QA/QC; development of components of technical reports
- Graduate Assistant – Research & Teaching** Jun. 2008 – Dec. 2010
Department of Biology; GSU – Statesboro, GA
- Developed, implemented, managed, & completed master's thesis project w/ emphasis on field data collection & lab analyses; procured funding for project development & presentation
 - Taught Environmental Science and Microbiology labs; supplemental instructor for Genetics courses
 - Assisted in teaching on herpetology field trips; managed lab equipment; coordinated trips to and attended various professional conferences
- Graduate Assistant - Grader** Jan. 2008 – May 2008
Vertebrate Comparative Physiology and Eco-Morphology Lab; TAMUG – Galveston, TX
- Graded exams and assignments for Natural History of Vertebrates course
 - Assisted with laboratory setup, tear down, and exams as needed

Undergraduate Research Assistant

Aug. 2005 – Dec. 2007

Vertebrate Comparative Physiology and Eco-Morphology Lab; TAMUG – Galveston, TX
Sea Turtle and Fisheries Ecology Research Lab; TAMUG – Galveston, TX

- Assisted in field sampling events along Texas coast netting sea turtles, collecting morphometric data, assessing sea grass habitats, and satellite tagging individuals for home range analyses
- Managed histology lab, performed independent research on gastrointestinal tract anatomy in pygmy and dwarf sperm whales, and assisted graduate students on various projects

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

SELECTED PROJECT EXPERIENCE

2018-Present	National Rivers and Streams Assessment (USEPA/TCEQ)	<i>National Trainer</i>
2017	National Lakes Assessment (USEPA/TCEQ)	<i>Texas Team Leader</i>
2016-Present	Population Distribution & Status of Saltmarsh Topminnow (USFWS)	<i>Field Team Leader</i>
2016	National Wetland Condition Assessment (USEPA/TCEQ)	<i>Texas Team Leader</i>
2015	National Coastal Condition Assessment (USEPA/TCEQ)	<i>Field Assistant</i>
2014-2015	Tracking Incidence of Fibropapilloma Virus in Texas Juvenile Green Sea Turtles (TSA)	<i>Co-PI</i>
2013-2015	National Lakes Assessment Data Analysis - Texas (TCEQ)	<i>Data Manager</i>
2013-2014	National Rivers and Streams Assessment - Texas (USEPA/TCEQ)	<i>Field Assistant</i>
2011-Present	Population Ecology & Demographics of Texas Diamondback Terrapin (Various agencies)	<i>Co-PI</i>
2011-Present	Texas Clean Rivers Program (HGAC)	<i>Field Team Leader</i>
2011	National Wetland Condition Assessment (USEPA/TCEQ)	<i>Field Assistant</i>
2008-2010	Reproductive biology of various indigenous and exotic chelonian species (GSU)	<i>Co-PI</i>
2007-2011	Monitoring of juvenile sea turtles along the Texas coast (STFERL-TAMUG)	<i>Field Assistant</i>
2007	Ontogeny of bite force in loggerhead sea turtles (TAMUG)	<i>Laboratory Assistant</i>
2006-2007	Functional morphology of inking in pygmy & dwarf sperm whales (TAMUG)	<i>Laboratory Assistant</i>

SELECTED PUBLICATIONS, REPORTS & PROFESSIONAL PRESENTATIONS

*Full text reports and presentations available at <http://prtl.uhcl.edu/portal/page/portal/EIH/publications>

- M. Gordon**, J. Oakley, C. Scanes, G. Guillen. 2018. Coast-Wide Characterization of Saltmarsh Topminnow Populations within the Texas Coast. Final report submitted to Aransas NWR. Austwell, TX. 11 pp.
- 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.
- 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
- Oakley, J., **M. Gordon**, G. Guillen. 2017. Biological Monitoring Summary Packets: various streams within Houston Metroplex. Final data report submitted to Houston-Galveston Area Council. Houston, TX.
- Guillen, G., **M. Gordon**, J. Oakley. 2016. Factors associated with historical trends in the occurrence of Texas diamondback terrapin (*Malaclemys terrapin*). DTWG 7th Symposium, Fairhope, AL. Presentation.

- Oakley, J., **M. Gordon**, G. Guillen. 2016. National Aquatic Resource Surveys: Applications for State Wetland Condition Monitoring & Assessment. SWS, Corpus Christi, TX. Invited Presentation.
- Metz, T., K. St. Clair, **M. Gordon**. 2016. Movements of Juvenile Kemp's Ridley Sea Turtles from Estuarine Waters of the NW Gulf of Mexico Via Satellite Telemetry. 3rd SERSTM Mobile, AL. Presentation.
- 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.
- Guillen, G., **M. L. Gordon**, [and 5 others]. 2015. Population Survey of the Texas Diamondback Terrapin in San Antonio Bay, Matagorda Bay, and Sabine Lake. Final report submitted to TPWD. Austin, TX. 194 pp.
- Gordon, M.L.**, T.L. Metz, G. Guillen. 2015. Relative abundance & 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**, G. Guillen. 2015. Documentation of Fibropapillomatosis in Green Turtles (*Chelonia mydas*) Captured from Texas Inshore Waters. 2nd SERSTM, Jekyll Island, GA. Presentation.
- Metz, T.L., **A.L. Moss**. 2014. Movements of Rehabilitated Loggerhead Sea Turtles (*Caretta caretta*) in the Northwestern Gulf of Mexico. 34th Annual International Sea Turtle Symposium, New Orleans, LA. Poster.
- 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 & Wallace, Bryan P., compilers. *In: Proceedings of the 31st Annual Symposium on Sea Turtle Biology & Conservation*. NOAA Technical Memorandum NMFS-SEFSC-631, 306 pp.
- Guillen, G., M. Mokrech, J.W. Oakley, M. Shepard., K. Vale, **A.L. Moss**. 2012. Harris County Texas Comprehensive Turbidity Study Results Report. Final Report submitted to HCFCD. Houston, TX. 141 pp.
- Moss, A.L.** 2010. Seasonal Testosterone and Reproductive Cycles in Yellow-bellied Slider Turtles (*Trachemys scripta scripta*). Thesis publication. Georgia State University: Statesboro, GA. 120pp.
- Moss, A.L.**, D Rostal. 2010. Use of Ultrasound, X-ray, & Oxytocin to Determine Ovipositional State in Female *Trachemys scripta* Not Collected at the Nesting Site. SICB, Seattle, WA. Poster.
- 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.
- 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.

ADDITIONAL TRAINING AND CERTIFICATIONS

- 2018 National Rivers and Streams Assessment Field Training (US EPA) – *National Trainer*
- 2017 National Lakes Assessment Field Training (US EPA) – *Texas Team Leader*
- 2016 Wilderness First Aid (The Woods Project)
- 2016 National Wetland Condition Assessment Field Training (US EPA) – *Texas Team Leader*
- 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)
- 2014 Completion of Texas Drivers Safety Course
- 2014 First Aid and CPR (current)
- 2011 National Wetland Condition Assessment Field Training (US EPA)
- 2007 Texas Boaters Education Certification (TPWD)

VOLUNTEER, SERVICE & PUBLIC OUTREACH

2017-Present	<i>Enforcer</i> – Penny Arcade Expo (San Antonio, TX; Seattle, WA; Boston, MA)
2016-Present	<i>Sea Turtle Nest Patroller & UTV Trainer</i> – Turtle Island Restoration Network & TAMUG
2014-2015	<i>Grader & Station Leader</i> – Texas Envirothon
2014	<i>Guest Instructor</i> – short presentations to EIH Environmental Education’s “Alpha Class” students
2014	<i>Field Volunteer</i> – North American Freshwater Turtle Research Group (NAFTRG)
2013-2014	<i>Volunteer</i> – Houston Zoo, Inc. (HZI) & Houston Museum of Natural Science (HMNS)
2009	<i>Guest Instructor</i> – Native Turtles of Georgia (series of interactive & educational
2008-2009	<i>Invited Member</i> – Georgia Freshwater Stakeholder Working Group
2007-2011	<i>Seasonal Field Research Assistant</i> – Sea Turtle & Fisheries Ecology Research Lab (STFERL)
2006	<i>Chairwoman</i> – Big Event Coordination Committee
2003-2005	<i>Stranding Response & Necropsy Assistant</i> – Texas Marine Mammal Stranding Network (TMMSN)
2000-2010	<i>Volunteer (Flight Line Safety)</i> – Experimental Aircraft Association Airventure Oshkosh

FORMAL COURSEWORK

Graduate	Avian Diversity and Habitats, Biometry, Endocrinology, Evolutionary Ecology, Evolution, GIS Modeling Coastal Resources, Herpetology, Histology
Undergraduate	Biochemistry, Biology of Sirenians, Biospeleology, Biostatistics, Cell Biology, Comparative Animal Physiology, Genetics, Invertebrate Zoology, Marine Botany, Marine Ecology, Microbiology, Oceanography, Sea Turtle Biology, Sociobiology of Reproduction

REFERENCES

George Guillen, Ph.D. (*current supervisor*)

Executive Director, Associate Professor

University of Houston – Clear Lake; Environmental Institute of Houston

Phone: (281) 283-3950; guillen@uhcl.edu

Jenny Oakley, Ph.D. Student (*current colleague*)

Environmental Scientist

University of Houston – Clear Lake; Environmental Institute of Houston

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Tasha Metz, Ph.D. (*collaborator*)

Lecturer

University of Houston; Department of Biology

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David Rostal, Ph.D. (*graduate advisor*)

Professor, COUR Director

Georgia Southern University; Department of Biology

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