

Quentin Hall

6300 Ocean Drive (Unit 5869), Corpus Christi, TX, 78412
Cell: (314) 606-7654 quentin.hall@tamucc.edu

Education

TEXAS A&M UNIVERSITY-CORPUS CHRISTI Corpus Christi, Texas

Master of Science, Marine Biology

GPA: 4.0

Thesis: Effects of reopening a tidal inlet on estuarine-dependent nekton in Mesquite Bay, Texas.

Coursework included: Marine Restoration Ecology, Fisheries Management, Statistics I (all work done in R), Statistics II (all work done in R), Fisheries Statistics

UNIVERSITY OF MISSOURI Columbia, Missouri

Bachelor of Science, Fisheries and Wildlife Management

May 2013

Bachelor of Science, Animal Science

Minors: Captive Wild Animal Management and Biology; GPA: 3.25 over 171 hours

Coursework included: Ichthyology, Fisheries Conservation Techniques, Fisheries Management, Limnology, Population Dynamics and Management, Ecology of Fishes

Skills

- Experienced with experimental design and advanced statistical analyses
- Skilled with data collection and logging
- Proficient with numerous statistical packages, particularly R coding
- Extensive computer skills in all Microsoft Office programs and graphing software such as SigmaPlot
- Very familiar with report writing and peer-review processes
- Extensive experience presenting research to the scientific community and public
- Familiar with broad range of sampling techniques and technologies
- Creating media centered around educating and involving the public
- Experienced in teaching and management roles
- Broad experience with operating equipment (boats, tractors, skidsteers, etc)
- Proficient with radio/acoustic telemetry equipment
- PADI Open Water Diver Certification (NITROX certified)
- Diving Emergency Management Provide (DEMP) Certified (since 2014)
- First Aid and AED Certified (since 2014)

Professional Experience

Center for Sportfish Science and Conservation, The Harte Research Institute – January 2016 to Present; Research Specialist II; 40+ hours per week, Annual Salary = \$36,000

- One of the main crew leaders responsible for conducting and managing field work
- Took part in a multi-agency coalition to determine management effectiveness of the Gulf of Mexico's fisheries based on multiple parameters.
- Assembled final reports to National Marine Fisheries Service.
- Developed SOP for all activities conducted in lab/field.
- Responsible for obtaining and renewing all Federal Letters of Authorization and state research permits.
- Analyzing data to determine how propeller scaring impacts benthic invertebrate communities.
- Helped initiate/maintain a comprehensive telemetry study of Spotted Seatrout in Aransas Bay, as well as perform all statistical analysis on data (kernel density, etc).
- Designed offshore deep-water trawl system and dual juvenile fish trap system.
- Assisted in writing proposals for continued funding of multiple studies.

The Harte Research Institute for Gulf of Mexico Studies – August 2013 to January 2016
Graduate Research Assistant, Teaching Assistant, Advisor: Dr. Greg Stunz

Inshore

- Designed and executed an experiment documenting how opening a tidal inlet influenced juvenile nekton densities and species composition.
- Worked closely with the Coastal Conservation Association and developed numerous media outlets to increase public knowledge and involvement with the project.
- Extensive experience with estuarine sampling techniques (epibenthic sleds, otter trawls, seines, etc.) and estuarine dependent species identification.
- Designed and installed acoustic receiver array to track red drum movements.
- Trained in surgical implantation of acoustic transmitters.
- Experience with Before-After-Control-Impact (BACI) experimental designs

Offshore

- Experienced with deep water sampling techniques (vertical longlines, fish traps, etc.).
- Reef fish identification.
- Otolith collection, preparation, and aging.
- Collection of data on gonad development, stomach content, and genetics.
- Satellite telemetry of reef and pelagic species such as Dolphinfish (Dorado) and numerous shark species including the Shortfin Mako, Tiger, and Bull Shark.

United States Geological Survey - September 2009 to August 2013

Student Laboratory Technician and Manager, Advisor: Dr. Mark Wildhaber

- Helped oversee and train other student workers.
- Hundreds of hours of experience with respirometry, bioenergetics, behavioral studies, and many other sub disciplines of fish ecology.
- Experiments conducted on several endangered fish species such as the Pallid Sturgeon, Topeka Shiner, and Neosho Madtom.
- Duties included basic fish husbandry, data collection/logging, filtration system maintenance, computer/camera installation.
- Experience in dataset management and graphic modeling via SigmaPlot and Excel.

U.S. Fish and Wildlife Service – September 2009 to August 2013

Accompanying Deckhand

- Crewman on USFWS trawl boat to collect fish specimens for USGS from the Missouri River.
- Responsible for identifying fish species caught and retaining live specimens.

Publications

Hall QA, Robillard MR, Williams J, and Stunz GW (2016). Reopening of a remote tidal inlet increases recruitment of estuarine-dependent nekton. *Estuaries and Coasts* 39:1769-84. doi:10.1007/s12237-016-0111-3

Hall QA, Ajemian MJ, Curtis JM, and Stunz GW (in review). The importance of newly-opened inlets as spawning migration pathways for adult Red Drum (*Sciaenops ocellatus*). *Fisheries Research*.

Hall QA, Burfiend DD, Stunz GW, Withers K, and Fikes RL (in review). Propeller scarring alters benthic macrofaunal communities in a subtropical estuary.

Official Reports

Stunz GW, Ajemian MJ, Streich MK, Brewton RA, Downey CH, and Hall QA (2016). Investigation of the relative habitat value of oil/gas platforms and natural banks in enhancing stock building of reef fish in the western Gulf of Mexico. Final Report Submitted to the National Marine Fisheries Service. Grant: NA14NMF4330219. 107 pp.

Hall, QA, Stunz GW (2015). Determination of seasonal abundance and density of nekton species in/near cedar bayou pre- and post-opening. Final Report Submitted to Aransas County, Texas. 101 pp.

Hall QA, Stunz GW (2014). Determination of seasonal abundance and density of nekton species proximal to cedar bayou pre- and post-opening (pre-opening summary). Interim Report Submitted to Aransas County, Texas. 24 pp.

Conferences Attended

Gulf and Caribbean Fisheries Institute (Corpus Christi, TX - 2014)
Tri-National Fisheries Conference (Corpus Christi, TX - 2014)
Texas Bays and Estuaries Meeting (Port Aransas, TX – 2014 & 2015)
Gulf Estuarine Research Society Biennial Meeting (Port Aransas, TX – 2014 & 2015)
Southern Division of the American Fisheries Society Spring Meeting (Savannah, GA – 2015)

Scientific Presentations

“Determination of Seasonal Abundance, Density, and Distribution of Nekton Species Proximal to Cedar Bayou Pre- and Post-Opening.” Presented at:

- Gulf Estuarine Research Society Biennial Meeting (Port Aransas, TX - 2014)
- Texas Bays and Estuaries Meeting (Port Aransas, TX - 2014) ‡
- Marine Science Graduate Student Organization Research Forum (Corpus Christi, TX - 2014) ‡
- Southern Division of the American Fisheries Society Spring Meeting (Savannah, GA - 2015)
- Texas Bays and Estuaries Meeting (Port Aransas, TX - 2015)*
- Gulf Estuarine Research Society Biennial Meeting (Port Aransas, TX - 2015)

* Invited Speaker

‡ Awarded Presentation

Outreach Presentations

“Reopening the Fish Highway: Restoring Cedar Bayou.” Presented at:

- Coastal Conservation Association Quarterly Meeting (New Braunfels, TX - 2014)*
- Coastal Conservation Association Quarterly Meeting (Dallas, TX - 2015)*
- Coastal Conservation Association Quarterly Meeting (Port Aransas, TX - 2015)*
- Texas Maritime Museum (Rockport, TX – 2015)*
- Parkway Presbyterian Church (Corpus Christi, TX – 2016)

“Cedar Bayou: Then and Now.” Presented at:

- Aransas County Chamber of Commerce Outdoor Writers Convention (Fulton, TX – 2015)*
- Coastal Conservation Association – Captain’s Dinner (Port Aransas, TX – 2015)*
- Coastal Conservation Association Quarterly Meeting (Kerrville, TX - 2016)*

* Invited Speaker

‡ Awarded Presentation

Awards and Accomplishments

First publication was selected and featured in the Coastal and Estuarine Science News due to its “strong implications for coastal management”.

Organized and secured funding for Cedar Bayou Conservation Day

- Provided access to the Cedar Bayou restoration site and demonstrated experimental processes to over 25 CCA members and their families from across Texas.

Awarded 1st place in speaking at the 2014 Marine Science Graduate Student Organization Research Forum.

- Titled: *Determination of Seasonal Abundance, Density, and Distribution of Nekton Species Proximal to Cedar Bayou Pre- and Post-Opening.*

Granted the 2014 Environmental Cooperative Science Center Fellowship from NOAA.

- “Recognizes and supports outstanding graduate students in the NOAA mission disciplines.”

Awarded 3rd best presentation at the 2014 Texas Bays and Estuaries Meeting.

- Titled: *Impacts of Reopening a Natural Tidal Inlet on Fisheries in Mesquite Bay, Texas.*

Created a public service announcement regarding Cedar Bayou.

- Was accepted by the 2014 Beneath the Waves Competition and was played at 25 conferences around the country.

Awarded University of Missouri Unsung Heroes Award in 2010.

- Given in honor of "excellent achievements and efforts that may have gone unrecognized...".
- Offered to only 12 students a year, based on a nomination by a faculty member.

Graduate Grants

(2014) Henry Hildebrand Memorial Grant - \$950.00

(2015) Millicent Quammen Memorial Grant - \$950.00

Graduate Scholarships

(2014) College of Science and Technology Graduate Scholarship - \$1,000.00

(2014) NOAA-ECSC Graduate Research and Training Program - \$36,000.00

(2015) Texas Chapter of the American Fisheries Society Student Award - \$1,500.00

Memberships

Coastal Conservation Association (since 2014)

Gulf Estuarine Research Society (since 2014)

American Fisheries Society (since 2014)

General Articles

Hall QA, and Stunz GW (2014, November-December). Resurrecting the Fish Highway. *TIDE*, pp. 8-11.

Hall QA, and Stunz GW (2016, January-February). In the Lab: The Verdict is in for Cedar