

Nicole Morris
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CV

Scientific Experience

2014 University of Houston, Clear Lake; Environmental Institute of Houston, Houston, TX

Designed and conducted scientific study on saltwater bay fish in Texas bays. Proficient in technical instrumentation calibration, operation, and maintenance; collected 30 years of **data from multiple sources/databases** (NCCA, DSHS, State Departments) and compiled into easily-readable database; involved reformatting; dealing with greater-than/less-than data sets; non-parametrics, non-normal and non-linear data; **statistical tests** (e.g. ANOVA, Mann-Whitney, Kruskal-Wallis, etc.); Office suite including **Word, Excel, and PowerPoint, ArcGIS, Minitab, SAS; general linear modeling, regression, time series analyses, and categorical analysis**; dissecting and compound microscope use, **contaminant analysis** including sterile techniques, tissue extraction, **fresh and salt water fish sampling**, soil and water sampling, small boat (15-30 ft) experience, field sampling for organisms including **drop nets, rod-and-reel, longline gill net, seines, beach seines, bag seines, otter trawl, push net, scoop net, backpack shocking**, etc.;, working in a variety of conditions including extreme weather

2012 SaltWater Inc., Seattle, WA and Anchorage, AK

Observing on commercial fishing vessels for NMFS as part of the North Pacific Groundfish Observer Program (NPGOP); collected organismal data, familiarized with commercial fishing **regulations as well as conservation regulations**, instruct crew members, constant travel sometimes with only 2 hours notice, write **legal documents, compile data and field reports**, worked on both longline and trawl vessels of sizes 60 to 200ft in length, lead certified, **sampling techniques** such as Stratified, Time-based, Simple, Random, Opportunistic, etc.

2011 Louisiana State University, Baton Rouge, LA

Oceanography lab; 2 week research cruise, familiarity with Side-scan, DIDSON, and ROV hydroacoustic equipment, **aging Red Snapper using otoliths**; research cruise, and plankton picking, **familiarity with Excel especially list, sort, filter, and macro functions**

2010 Gulf Coast Research Laboratory, Ocean Springs, MS

Harriet Perry's 'Crab Lab'; rapid response blue crab oil spill research; megalopae identification and sorting, hot, humid, field and lab work; assist senior researchers as required

2010 Truman State University, Kirksville, MO

Dr. John Ma's lab; designed own study on carotenes in bean plants using thin-layer chromatography

2009 Truman State University, Kirksville, MO

Dr. Cynthia Cooper's lab; E. coli research that is helping to re-evaluate E. coli as a fecal indicator in water reservoirs; used IDEXX and Quantitray methods

2009 Truman State University, Kirksville, MO

Student Research Conference; presentation entitled: "Escherichia coli Over 3 Years at Forest

Lake”

- 2009 Truman State University, Kirksville, MO
Adviser to the Watershed Management Commission of Kirksville, MO on E. coli
- 2006 Lee’s Summit North High School, Lee’s Summit, MO
Group experiment testing bioluminescence as a medical indicator

Publications and Presentations

- 2016 Galveston Bay Estuary Program
Oral Presentation: Mercury Monitoring in Texas Bay Fish: A Concurrent Study with the National Coastal Condition Assessment
- 2016 Texas Chapter of the American Fisheries Society
Oral Presentation: Mercury Monitoring in Texas Bay Fish: A Concurrent Study with the National Coastal Condition Assessment
- 2016 December Thesis: Thirty Years of Mercury Monitoring in Texas Bay Fish: A Concurrent Study with the National Coastal Condition Assessment

Marine Qualifications

- 2002 Lee’s Summit, MO
Certified Open Water Diver through Padi Scuba
- 2003 Lee's Summit North High School, Lee's Summit, MO
Successful completion of a boater safety course
- 2014 University of Houston Clear Lake Environmental Institute of Houston, Houston, TX
Successful completion of a boater safety course
- 2014 University of Houston Clear Lake Environmental Institute of Houston, Houston, TX
Small boat experience

Education

- 2003 - 2007 Lee’s Summit North High School, Lee’s Summit, MO
High School International Baccalaureate Graduate
- 2009 Truman State University, Kirksville, MO
Biology GPA: 3.37; Overall GPA: 3.29
- 2010 Truman State University, Kirksville, MO
120 hours lab time

Graduation Date: May 2011
GRE taken December 2011

Overall Score: 1280

Verbal: 630
Analytical: 650

2014-2016 University of Houston Clear Lake, Environmental Institute of Houston, Houston, TX

Thesis: Thirty Years of Mercury Monitoring in Texas Bay Fish: A Concurrent Study with the National Coastal Condition Assessment

Graduation Date: December 2016

Final GPA: 3.865

Master's in Environmental Science

Awards and Honors

2003 - 2007 Lee's Summit North High School, Lee's Summit, MO
Honor Student

2006 Lee's Summit North High School, Lee's Summit, MO
Missouri Girls' State, center for young leaders

2007 Lee's Summit North High School, Lee's Summit, MO
National Honor Society Graduate

2007 Truman State University, Kirksville, MO
Bright Flight Recipient

2007-2011 Truman State University, Kirksville, MO
Truman Scholarship Recipient (\$14,500)

2015-2016 University of Houston Clear Lake Scholarship Recipient, Houston, TX
Science and Computer Engineering Scholarship for Academic Excellence