

Susan K. King

Resume		August 2020
Address	166 Dangar Street Armidale NSW 2350	E-mail skking3@ncsu.edu Phone 0401 619 941
GIS Skills	Modeling and analytics, web services, databases, programming; <ul style="list-style-type: none">• Portfolio: www.skkinggis.com	
Programming	API for JavaScript, HTML, Python, SQL	
Software	ArcGIS, Erdas Imagine, GRASS GIS, PostgreSQL, Program R, QGIS, SPSS, Alleles in Space, GENEPOP, SPAGeDi, STRUCTURE	
Education	Professional Science Master – Geospatial Information Science and Technology <i>North Carolina State University</i> (May 2019). <ul style="list-style-type: none">• Coursework aimed at geospatial modeling and analytics, programming, database design and management, web services and applications, cartography, ethics and standards.• Cumulative GPA 4.0/4.0. Master of Science – Biology <i>University of Tulsa</i> (August 2014). <ul style="list-style-type: none">• Primary Researcher, Department of Biological Science (October 2012 – February 2014).<ul style="list-style-type: none">○ Capture and collect tissue samples from bullfrogs and cricket frogs, extract DNA, perform PCR assay as part of research project addressing the genetic diversity of amphibians in rural and urban wetlands.• Cumulative GPA 3.92/4.0. Master of Science – Biology <i>Eastern Kentucky University</i> (August 2012). <ul style="list-style-type: none">• Thesis: Four-toed Salamander (<i>Hemidactylium scutatum</i>) nest site characteristics in natural and constructed wetlands in eastern Kentucky.• Primary Researcher, Department of Biological Sciences (March – August 2011).<ul style="list-style-type: none">○ Completed field research of Four-toed Salamander nest site characteristics in natural and constructed wetlands gaining a greater understanding of how artificial habitats impact amphibians, supervised five undergraduate assistants.• Cumulative GPA 4.0/4.0. Bachelor of Science – Fisheries, Wildlife, and Conservation Biology , <i>Summa Cum Laude</i> , <i>North Carolina State University</i> (August 2010). <ul style="list-style-type: none">• Learned and practiced sampling techniques for vertebrates and invertebrates, identification of flora and fauna, PIT-tagged reptiles, mist-netted and banded birds.• Dean's list four of five semesters. Overall cumulative GPA 4.0/4.0.	
Experience	GIS Intern – Clean Jordan Lake (May 2017 – August 2017). <ul style="list-style-type: none">• Analyze tabular data, create shapefiles from KML files, map attributes of trash removal.• Produced map images and online maps using Arc Map and ArcGIS Online. Research Assistant – North Carolina State University, Department of Biological Sciences (October 2015 – January 2016). <ul style="list-style-type: none">• Collate data, prepare manuscript for publication as a chapter in book on academic policies. Research Aide – Eastern Kentucky University, Department of Biological Sciences (June – August 2011). <ul style="list-style-type: none">• Completed training for the Kentucky Wetland Rapid Assessment Method, performed field assessment of 12 wetlands. Research Assistant – North Carolina State University, Department of Fisheries and Wildlife (November 2008 – April 2009 and November 2009 – December 2009).	

- Watch video recording of birds' nests and keep records of observations of behavior.

Carnivore Keeper – *Carnivore Preservation Trust* (December 1999 – October 2000).

- Responsible for diet preparation, observation of health status, feeding and medicating carnivores such as leopards, tigers, ocelots, and binturongs.
- Assisted the veterinarian with routine examinations and surgical procedures, capture and sedation, record keeping and ordering supplies.
- Provide educational tours to public. Supervise volunteers, organize food donation shuttle.
- Maintenance of enclosure and grounds. Provide environmental enrichment.

Grants

- University of Tulsa Student Research Grant, \$1,000 – October 2012 and 2013.
- University of Tulsa Bovaird Summer Fellowship, \$4,346 – Summer 2013 and 2014.
- Kentucky Society of Natural History Research Grant, \$650 – August 2011.
- The American Society of Ichthyologists and Herpetologists: Gaige Award, \$500 – May 2011.
- Sigma Xi, The Scientific Research Society: Grants in Aid of Research, \$400 – April 2011.

Awards

- Earned membership in *Xi Sigma Pi*, Forestry Honor Society – April 2019 and March 2009.
- Northern Kentucky Fly Fishers Red Barrington Scholarship, \$500 – May 2011.
- Study Abroad program to Namibia through NCSU, various scholarships, \$3,500 – May 2010.
- Earned membership in the *Phi Beta Kappa* Society – April 2010.
- Earned membership in the Honor Society of *Phi Kappa Phi* – March 2010.
- Fisheries and Wildlife Summer Camp Program Scholarship at NCSU, \$500 – April 2009.
- Earned membership in *Gamma Sigma Delta*, Honor Society of Agriculture – April 2009.
- Earned membership in *Beta Beta Beta*, National Biological Honor Society – April 1989.

Presentations

GIS mapping of volunteer cleanups at Jordan Lake to remove trash and tire loadings from stormwater:

- Oral presentation at the United States Coast Guard Auxiliary Meeting, Cary, NC, June 2018.
- Oral presentation at the NC Water Resources Research Institute's Annual Conference, North Carolina State University, Raleigh, NC, March 14-15, 2018.

Four-toed salamander (*Hemidactylium scutatum*) nest site characteristics in natural and constructed wetlands:

- Oral presentation at the World Congress of Herpetology, University of British Columbia, Vancouver, Canada, August 8 – 14, 2012.
- Oral presentation at the North Carolina Herpetological Society 2012 Spring Conference and General Meeting, Hanging Rock State Park, Danbury, NC, April 28 – 29, 2012.
- Poster presentation at the Sigma Xi 2011 Annual Meeting and International Research Conference, Raleigh Convention Center, Raleigh, NC, November 11 – 12, 2011.

Publications

Reproductive ecology and nest-characteristics of Four-toed Salamanders (*Hemidactylium scutatum*) in natural and constructed upland-embedded wetlands on the Appalachian Plateau, Kentucky. In submission to the Journal of Herpetology.

Harold Heatwole, Alana Grech, John F. Monahan, Susan King and Helene Marsh. 2012. Thermal Biology of Sea Snakes and Sea Kraits. Integrative and Comparative Biology 52: 257—273.

References

Available upon request.