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EDUCATION

University of Florida, Department of Wildlife Ecology and Conservation, Gainesville, Florida. BSFRC degree in Wildlife Ecology and Conservation (Dean's List)
Graduate Research. "Demography, habitat affinities, and feeding ecology of Kemp's ridley sea turtles (*Lepidochelys kempi*) in the Big Bend, Florida."

EXPERIENCE

May 00 to present . Wildlife Biologist. Design and implementation of Amphibian Research and Monitoring Initiative (ARMI) for the Southeast region. Major duties include developing a statistically sound sampling design, creation of a robust data management system (national and local databases), preparing reports and manuscripts, partnering with other Department of Interior Agencies, and planning and conducting extended field studies. USGS FISC, Gainesville, Florida. Supervisor: Dr. C. Kenneth Dodd, Jr.

Mar 01. Herpetological Consultant. Provided instruction on identification and sampling techniques of wetland amphibians and reptiles to an undergraduate wetlands ecology course. Department of Wildlife Ecology and Conservation, University of Florida. Supervisor: Dr. Andrew Storfer.

Spring 93-Spring 01. Course Instructor. Wildlife Techniques (WIS 4945), practical training in wildlife research techniques including radiotelemetry, sampling methods, immobilization and marking of reptiles and amphibians, birds, and mammals. Specialized in herpetology, vegetation sampling, and ichthyology. Instructed in Spring 2001, Spring 2000 and Summer 1998, Assistant Instructor in Spring 1993, Spring 1996, Spring 1998, Spring 1999. Department of Wildlife Ecology and Conservation, University of Florida. Supervisor: Dr. Mel Sunquist.

Jul 98-Dec 00. Herpetological Consultant. Assisted in long-term ephemeral wetland amphibian and reptile monitoring project in Ocala National Forest. Maintained drift-fences, pit-fall and funnel traps and fabricated automated aural survey devices (Frogloggers). US Forest Service and Department of Wildlife Ecology and Conservation, University of Florida. Supervisor: Dr. Andrew Storfer.

Dec 00. GIS Consultant. Plotted the distribution of all North American records, by year, of smalltooth and largetooth sawfish (*Pristis pectinata* and *P. pristis*), and all species from the Florida Keys, by year and gear-type, using ArcView GIS software. Department of Ichthyology, Florida Museum of Natural History, University of Florida. Supervisor: George Burgess.

Jan-May 00. Course Instructor. Integrated Principles of Biology II Laboratory (BSC 2011L), an examination of the principles of information storage, transmission and utilization at the levels of the cell, organism and population; of the mechanisms of evolutionary change in the diversification of living things and their life styles; of population growth and regulation; and of energy flow and biogeochemical cycling in the biosphere. Department of Zoology, University of Florida. Supervisor: Dr. Kent Vliet.

May 96-Aug 98. Field Biologist. Lead researcher in a study characterizing marine turtle populations in the Big Bend region of the Florida Panhandle. Duties included developing and implementing a study design, obtaining/maintaining relevant permits, data management and report writing, supervising technicians/ interns/ volunteers, purchasing and maintaining equipment, operating and maintaining various research vessels and tow vehicles, netting and tagging marine turtles. USGS-BRD, Florida-Caribbean Science Center, Gainesville, Florida. Supervisor: Dr. Kenneth J. Sulak.

Aug 96-Mar 97. GIS/Herpetological Consultant. Created the amphibian and reptile species/habitat matrix for the Florida GAP Analysis, using museum records, scientific literature, field guides, and personal experience to determine presence/absence of indigenous and non-indigenous species associated with the TNC vegetation alliances represented in Florida. Florida Cooperative Fish and Wildlife Research Unit, University of Florida. Supervisor: Dr. Leonard Pearlstine.

May 96-Aug 96. Field Biologist. Inventoried and prescribed silvicultural treatments for natural and planted pine plantations, cypress domes, and invasive species on the Big Cypress Seminole Reservation. Duties included sampling random plots, summarizing data, and prescribing silvicultural treatments based on the reservation's forest management plan. Department of Forestry, University of Florida. Supervisor: Dr. Alan Long.

Aug 92-Aug 95. Field Assistant. Maintained and operated a 28' research vessel as part of a mark/recapture study and a habitat preference and utilization study of Kemp's ridley, *Lepidochelys kempi*, sea turtles. Duties included netting, tagging, radio/sonic outfitting and tracking of turtles in the Cedar Keys, Florida. Archie Carr Center for Sea Turtle Research, Department of Zoology, University of Florida. Supervisor: Dr. Jeffrey R. Schmid.

Aug 92-May 93. Collections Assistant. Sorted and computer-catalogued marine and freshwater fish. Duties included receiving and shipping museum specimens, data entry, and identifying, preserving, and storing fish. Department of Ichthyology, Florida Museum of Natural History, University of Florida. Supervisor: George Burgess.

RESEARCH GRANTS

National Marine Fisheries Service Protected Species. FY98. Population characterization of Kemp's ridley sea turtles in the Big Bend, Gulf of Mexico, Florida (monitor, assess, and predict status and impacts to protected species and their ecosystems).

National Marine Fisheries Service Protected Species. FY97. Population characterization of Kemp's ridley sea turtles in the Big Bend, Gulf of Mexico, Florida (monitor, assess, and predict status and impacts to protected species and their ecosystems).

U.S. Fish and Wildlife Service Research Partnership. FY97. Inventory of Diamondback Terrapins inhabiting tidal creeks in Lower Suwannee and Cedar Keys National Wildlife Refuges, Florida.

PUBLICATIONS

Barichivich, W.J. 2003. Appendix IV: Guidelines for building and operating remote field recorders. *In* Dodd, C. K., Jr. Monitoring Amphibians in Great Smoky Mountains National Park. U.S. Geological Survey Circular No. 1258.

Barichivich, W.J., K.G. Smith, and J.L. Waldron. 2001. *Gyrinophilus porphyriticus danielsi*. *Arboreality. Herpetological Review*, 32(3):177-178.

Dodd, C.K., Jr. and W.J. Barichivich. *In review*. Establishing a baseline and faunal history in amphibian monitoring programs: The amphibians of Harris Neck, Georgia, USA. *Southeastern Naturalist*.

Dodd, C.K., Jr., W.J. Barichivich, and S.A. Johnson. *In press*. Changes in a northwestern Florida Gulf Coast herpetofaunal community over a 28-year period. *Diversity & Distributions*.

Dodd, C.K., Jr., W.J. Barichivich, and L.L. Smith. 2004. Effectiveness of a barrier wall and culverts in reducing wildlife mortality on a heavily traveled highway in Florida. *Biological Conservation*, 118:619-631.

Geis, A.A., W.J. Barichivich, T. Wibbels, M. Coyne, A.M. Landry, Jr., and D. Owens. 2005. Predicted sex ratio of juvenile Kemp's ridley sea turtles captured near Steinhatchee, Florida. *Copeia*, 2:293-298.

Johnson, S.A., and W.J. Barichivich. 2004. A simple technique for trapping *Siren lacertina*, *Amphiuma means*, and other aquatic vertebrates. *Freshwater Ecology*, 19(2):263-269.

Johnson, S.A., W.J. Barichivich, and J.S. Staiger. 2003. Geographic distribution. *Osteopilus septentrionalis*. *Herpetological Review*, 34(4):381.

- Johnson, S.A., J.S. Staiger, and W.J. Barichivich. 2003. Geographic distribution. *Eleutherodactylus planirostris*. Herpetological Review, 34(2):161.
- Johnson, S.A., W.J. Barichivich, and J.S. Staiger. 2002. Geographic distribution. *Hemidactylus turcicus*. Herpetological Review, 33(4):322.
- Smith, K.G., and W.J. Barichivich. 2001. *Plethodon jordani*. Vocalization. Herpetological Review, 32(4):246-247.
- Smith, L.L., W.J. Barichivich, J.S. Staiger, K.G. Smith, and C.K. Dodd, Jr. 2006. Detection probabilities and site occupancy estimates for amphibians at Okefenokee National Wildlife Refuge. American Midland Naturalist, 155(1):149-161.
- Smith, L.L., K.G. Smith, W.J. Barichivich, C.K. Dodd, Jr, and K. Sorensen. 2005. Roads and Florida's herpetofauna: a review and mitigation case study. Pp. 32-40. In: W.E. Meshaka Jr. and K.J. Babbitt (eds.), Status and Conservation of Florida Amphibians and Reptiles. Krieger Publ., Malabar, FL.
- Schmid, J.R., and W.J. Barichivich. 2005. The Kemp's ridley (*Lepidochelys kemp*). In P.A. Meylan and G.L. Heinrich (eds.). The biology and conservation of Florida Turtles. Chelonian Research Monographs.
- Schmid, J.R., and W.J. Barichivich. 2004. Developmental biology and ecology of Kemp's ridley turtles, *Lepidochelys kemp*, in the eastern Gulf of Mexico. Chelonian Conservation and Biology, 4(4):826-832.
- Smith, K.G., J.L. Waldron, and W.J. Barichivich. 2002. *Elaphe obsoleta obsoleta*. Predation. Herpetological Review, 33:213-214.
- Zacharow, M., W.J. Barichivich, and C.K. Dodd, Jr. 2003. Using ground-placed PVC pipes to monitor hylid treefrogs: capture biases. Southeastern Naturalist, 2(4):575-590.

REPORTS

- Barichivich, W.J., and C.K. Dodd, Jr. Determination of the effectiveness of wildlife barriers and underpasses on US Highway 441 across Paynes Prairie State Preserve, Alachua County, Florida. Phase II-final report. Submitted to FDOT, July, 2002.
- Barichivich, W.J., L.L. Smith, and K. Sorensen. Determination of the effectiveness of wildlife barriers and underpasses on US Highway 441 across Paynes Prairie State Preserve, Alachua County, Florida. Phase II-mid-year report. Submitted to FDOT, October, 2001.
- Barichivich, W.J., K.J. Sulak, and R.R. Carthy. 1999. Feeding ecology and habitat affinities of Kemp's ridley sea turtles in the Big Bend, Florida. Annual report submitted to NMFS and FDEP.
- Barichivich, W.J., K.J. Sulak, and R.R. Carthy. 1998. Feeding ecology and habitat affinities of Kemp's ridley sea turtles in the Big Bend, Florida. Annual report submitted to NMFS and FDEP.
- Barichivich, W.J., K.J. Sulak, and R.R. Carthy. 1997. Characterization of Kemp's ridley sea turtles in the Florida Big Bend area during 1997. Annual report submitted to NMFS and FDEP.
- Dodd, C.K., Jr, M.S. Gunzburger, W.J. Barichivich, and J.S. Staiger. 2005. Southeast Amphibian Research and Monitoring Initiative, 2004 Annual Report.
- Dodd, C.K., Jr., S.A. Johnson, W.J. Barichivich, and J.S. Staiger. Amphibian Research and Monitoring Initiative (ARMI); Inventory and Monitoring in the Southeast Region (2003). November 2003.
- Dodd, C.K., Jr., S.A. Johnson, W.J. Barichivich, and J.S. Staiger. Amphibian Research and Monitoring Initiative (ARMI); Inventory and Monitoring in the Southeast Region (2002). December 2002.
- Dodd, C.K., Jr., J.D. Corser, M.L. Griffey, W.J. Barichivich, K.G. Smith, and J.L. Waldron. 2001. Inventory and Monitoring the Amphibians of Great Smoky Mountains National Park. Progress Report to the National Park Service.
- Gunzburger, M.S., C.K. Dodd, Jr., W.J. Barichivich, and J.S. Staiger. 2006. Southeast Amphibian Research and Monitoring Initiative, 2005 Annual Report.
- Johnson, S.A., W.J. Barichivich, J.S. Staiger, and C.K. Dodd, Jr. 2004. Southeastern Amphibian Research and Monitoring Initiative St. Marks National Wildlife Refuge Summary Report for 2002-2003.
- Johnson, S.A., J.S. Staiger, W.J. Barichivich, W.B. Hughes, and C.K. Dodd, Jr. 2004. Southeastern Amphibian Research and Monitoring Initiative Lower Suwannee National Wildlife Refuge Summary Report for 2002-2003.

CERTIFICATIONS AND SKILLS

Captaining small craft (DOI Motor Operator Certification Course) and airboats

Department of Interior Flight Certification (OAS B-3)

SCUBA (NAUI Open-water diver)

Red Cross Heart Saver and First Aid

Marine and field electronics operation (differentially-corrected Global Positioning System, VHF radios, depth sounders, water quality meters, remote weather stations and dataloggers)

Amphibian (trapping, call survey, drift fence and time constraint), reptile (trapping, drift fence and time constraint), fish (seining, strike-netting, gill-netting, trapping, ROV survey, and electrofishing), small and mesomammal (Sherman and other live trapping), and bird (mist-netting and distance) sampling and census (visual and call)

Tagging/marking techniques (internal and external) for fish, amphibians, reptiles, mammals, and birds

Satellite, radio and sonic telemetry

Photography and videography (including underwater)

Controlled burning (S190 and I100)

Plant identification (terrestrial, aquatic, and marine)

Computer skills (Microsoft Windows XP, 2000, NT4.0, and 9x, Solaris, Microsoft Office 95, 97, 2000, XP, and 2003, ArcView, ARCGIS 8.3 & 9.1 (ESRI training, Introduction to ARCGIS I and II) , ARC/INFO, ERDAS Imagine, Fragstats)

REFERENCES

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