

## JONATHAN R. MCCURRY, M.S.

### Areas of Specialization:

Threatened and/or endangered (T&E) species surveys and relocations, Hardwood bottomland restoration, waterfowl ecology, habitat evaluation, environmental permitting, and wetland ecology.

### Experience:

Associate Scientist II, Breedlove, Dennis & Associates, Inc., Brooksville, Florida. 2008 to Present.

- Provided project management including coordination with coworkers and the project team to complete assigned tasks in a timely and cost efficient manner. Responsibilities also include preparation of proposals for new work and additional work scope for existing projects, development and management of project budget, and development of client relations.
- Experienced project lead on various projects and project related tasks including coordination with agency staff, project managers, subcontractors, and clients. Preparation of environmental permit applications including agency coordination.
- Performed environmental constraints reviews (i.e., due diligence) for T&E species, jurisdictional wetlands, bald eagle (*Haliaeetus leucocephalus*) nest and wading bird rookery database reviews, historical and cultural artifacts request, etc.
- Conducted Wildlife Habitat Management Plan implementation and monitoring at The Villages, Florida. Wildlife preserves and undeveloped land periodically surveyed for protected species, especially burrowing owl (*Athene cunicularia*), bald eagle, southeastern American kestrel (*Falco sparverius paulus*), gopher tortoise (*Gopherus polyphemus*), eastern indigo snake (*Drymarchon corais couperi*), whooping crane (*Grus americana*), little blue heron (*Egretta caerulea*), snowy egret (*Egretta thula*), tricolored heron (*Egretta tricolor*), and Sherman's fox squirrel (*Sciurus niger shermani*).
- Assisted in wetland permit compliance tasks at The Villages, Florida. Tasks include supervising wetland mitigation plantings, conducted N/E vegetation surveys, and coordination with agencies and subcontractors to insure mitigation success criteria are being achieved.

Associate Scientist I, Breedlove, Dennis & Associates, Inc., Brooksville, Florida. 2007 to 2008.

- Coordinated, participated in, and lead gopher tortoise census and relocation tasks, including permitting.
- Monitored wetland and upland creation and preservation areas and mitigation sites including identifying plant specimens, estimating areal coverage and general vitality, height measurements (i.e., diameter at breast height), water level recorder download, and wildlife assessment. Performed data analysis against permitted special conditions and success criteria.

---

BREEDLOVE, DENNIS & ASSOCIATES, INC.  
30 EAST LIBERTY STREET / BROOKSVILLE, FLORIDA 34601 / (352) 799-9488 / FAX (352) 799-9588

- 
- Conducted avian hazard assessments and fish reduction by shocking and seining at Orlando International Airport.
  - Conducted T&E species surveys. Species include gopher tortoise, burrowing owl, Florida scrub-jay (*Aphelocoma coerulescens*), and bald eagle.
  - Assisted in wetland delineation for determination of the landward extent of wetlands pursuant to local, state (Chapter 62-340 Florida Administrative Code [F.A.C.]), and federal (Wetland Delineation Manual [1984]) jurisdiction.

Graduate Research Assistant, Department of Forestry, Wildlife and Fisheries, The University of Tennessee, Knoxville, Tennessee. 2004 to 2006.

- Developed and maintained research efforts examining the effects of early growing season flood duration treatments on bottomland oak (*Quercus* spp.) seedlings.
- Assessed the stream condition of Abrams Creek in Great Smoky Mountains National Park for the design and implementation of a restoration project by the National Park Service.
- Tracked hibernating female black bears (*Ursus americanus*) to obtain den location and to determine reproductive success.
- Assisted with amphibian research at the Cumberland Research and Education Center.

Wildlife Biologist, Cave Springs Hunting Club, Lenoir City, Tennessee. 2005.

- Continued work on a quality white-tailed deer (*Odocoileus virginianus*) management program for Sequatchie Forest and Wildlife Agency.
- Analyzed data from sighting and harvest forms to assess buck to doe ratios.
- Calculated hunter use and success rates.
- Aged white-tailed deer by jaw bones.

Graduate Teaching Assistant, Department of Forestry, Wildlife and Fisheries, The University of Tennessee, Knoxville, Tennessee. 2004 to 2006.

- Taught and lectured senior and junior level courses in ecology and habitat evaluations.
- Taught and lectured labs on Global Positioning System and hardwood bottomland restoration.

Western State College, Gunnison, Colorado. 1999 to 2003.

- 
- Completed boreal toad (*Bufo boreas boreas*) endangered species surveys to establish population estimates of the boreal toad.
  - Completed bird flushing surveys to establish flushing distances of common bird species at Rocky Mountain Biological Laboratory.
  - Conducted aquatic invertebrate surveys at Lake Fork of the Gunnison River.
  - Surveyed population status of one natural population and one relocated population of Gunnison's prairie dogs (*Cynomys gunnisoni*) in Gunnison, Colorado.
  - Tracked sage grouse (*Centrocercus urophasianus*) using hand-held tracking devices to obtain locations of individual birds.
  - Trapped various common rodents in riparian and sagebrush ecosystems to obtain habitat preferences of individual species.
  - Participated in mist nest bird capture and feeder traps in Powderhorn, Colorado, in order to band and track their movements.
  - Surveyed timber transects in forests near Buena Vista, Colorado, for pine beetle (*Dendroctonus* sp.) damage and dwarf mistletoe (*Arceuthobium* sp.) parasites.
  - Surveyed the Gunnison River and Blue Mesa Reservoir to obtain hydrology data for stream and lake hydrology surveys.

**Education:**

- M.S. University of Tennessee, Knoxville, Tennessee, 2006. Wildlife and Fisheries Science.
- B.A. Western State College of Colorado, Gunnison, Colorado, 2003. Biology.

**Associations:**

- Society of Wetland Scientists (2006)
- Ducks Unlimited (2008)

**Publications:**

**McCurry, J. R.,** Gray, M. J., Franklin, J. A., and Mercker, D. C. 2006. *Relationship of Oak Seedling Height and Diameter with Bottomland Elevation.* Proceedings of the Southeastern Association of Fish and Wildlife Agencies. 59.

**McCurry, J. R.** 2006. Thesis: *Flood Tolerance of Hardwood Bottomland Oak Seedlings*. In partial fulfillment for the requirements for the Master of Science degree at the University of Tennessee, Knoxville. 73 pgs.

**Presentations:**

*Relationship of Oak Seedling Height and Diameter with Bottomland Elevation*. PowerPoint presentation at the Southeastern Association of Fish and Wildlife Agencies' annual conference, October 2005.