

DAVID P. YOUNG, JR., *Senior Biologist/Senior Manager*



### EDUCATION

M.S.	University of Georgia, Athens, Georgia	1988	<i>Zoology</i>
B.A.	Earlham College, Richmond, Indiana	1986	<i>Biology</i>

### PROFESSIONAL EXPERIENCE

1992-Present *Senior Biologist/Project Manager*, Western EcoSystems Technology, Inc., Cheyenne, Wyoming  
 1991-1992 *Field Supervisor*, Wildlife International Ltd., Easton, Maryland  
 1990-1991 *Environmental Health Specialist*, Liberty County, Georgia  
 1989-1990 *Research Technician II*, Savannah River Ecology Laboratory, Aiken, South Carolina  
 1983-1986 *Assistant Curator*, Joseph Moore Museum of Natural History, Earlham College, Richmond, Indiana

### ADDITIONAL TRAINING & EDUCATION

Habitat Conservation Planning, 2001, U.S. Fish and Wildlife Service, National Conservation Training Center, Shepherdstown, West Virginia  
 Interagency Consultation for Endangered Species, 1999, U.S. Fish and Wildlife Service, National Conservation Training Center, Shepherdstown, West Virginia  
 Black-footed Ferret Survey Techniques, 1998, U.S. Fish and Wildlife Service, Wyoming Field Office  
 Ute Ladies' Tresses Orchid & Colorado Butterfly Plant Survey Methods, 1998, USDI, Bureau of Land Management, Cheyenne, Wyoming  
 Preble's Meadow Jumping Mouse Survey Methods, 1997, USDI Fish and Wildlife Interim Survey Guidelines, Fort Collins, Colorado  
 Practical Project Development and Environmental Documentation, NEPA/Section 4(f) Applied to Transportation Projects, 1997, Robert Jacobsen Environmental Planning, Lakewood, Colorado  
 Spotted Owl Inventory and Monitoring Training, 1994, USDA Forest Service, Payson, Arizona  
 Basic Wetland Delineation, 1993, Wetland Training Institute, Inc., San Diego, California  
 Studies for Resource Selection, 1993, Western EcoSystems Technology, Inc., Lakewood, Colorado  
 Supervisory Development Workshop, 1991, Wildlife International, Ltd., Easton, Maryland  
 Off-Campus Study Program Kenya, East Africa, 1984, Earlham College

### SPECIALTY AREAS

**Threatened and Endangered Species:** Experience includes: formal training in Endangered Species Act, Section 7 consultation and Habitat Conservation Plans; T&E species surveys, clearances, and monitoring; Biological Assessments for highway construction projects, water development projects, and wind power projects; paid and volunteer field technician studying threatened and endangered species. Species include: *Indiana bat*, Indiana, New York, Pennsylvania, Virginia; *grey bat*, Indiana; *green sea turtles*, Florida; *wood stork*, Georgia; *black-footed ferrets*, Wyoming; *toads*, Preble's meadow jumping mouse, *mountain plover*, *Ute ladies' tresses orchid*, and *Colorado butterfly plant*, Wyoming; *Mexican spotted owl*, Arizona; *copperbelly water snake* and *Kirtland's snake*, Indiana; *bull trout* and *westslope cutthroat trout*, Montana; *Allen's Cay Rock Iguana* and *Riley's Rock Iguana*, Bahamas; *bald eagle*, Oregon, Washington, Wyoming, Colorado, California.

**Wind Power Studies:** Fourteen years experience conducting avian and bat research in wind resource areas and wind projects throughout the U.S. and Canada. Extensive experience supervising wildlife and natural resource studies through all phases of wind project development from early site assessment studies to post-construction monitoring and mitigation. Studies include Site Characterization Studies, Critical Environmental Issues Analyses site screening and ranking, Fatal Flaw analyses, Environmental Impact Assessments, Threatened and Endangered Species Biological Assessments and Habitat Conservation Plans, literature reviews, pre-construction baselines avian and bat studies, post-construction impact monitoring, mitigation planning, cumulative impact analyses, and Technical Advisory Committees. Clients include AES Alternative Energy, PacifiCorp, enXco, Horizon Wind Energy, Renewable Energy Systems, Bonneville Power Administration, BP Alternative Energy, Eurus Energy America Corp, NedPower, Acciona. Presentations and invited speaker at annual meetings of the National Wind Coordination Collaborative, American Wind Energy Association, Wildlife Society, American Ornithologist Union.

**Environmental Impact Assessment:** Experience in environmental regulation compliance including work under the *National Environmental Policy Act*, *Endangered Species Act*, *Clean water Act*, and *Federal Insecticide, Fungicide, and Rodenticide Act*; biological assessments for impacts to threatened and endangered species; Environmental Impact Statements for water development, highway construction, and wind power projects; Categorical Exclusions, and Environmental Assessments for highway projects; Environmental Assessments for Indian reservation casinos; Environmental Impact Assessments and reports under California, Oregon, Washington, and New York State Environmental Quality Acts.

**Wildlife Studies:** Twenty years experience conducting avian research in many locations throughout U.S. - extensive knowledge of avian research methodology; mule deer classification and censuses in Wyoming; winter waterfowl surveys and classification on South Platte River, Colorado; prairie dog management plan for the Pine Ridge Indian Reservation, South Dakota; mark-recapture and census studies of turtle populations in U.S. and Mexico; mark-recapture studies and surveys for bats in Indiana; volunteer field technician for copperbelly water snake studies in Indiana; raptor, mountain plover, sage grouse lek, and general avian monitoring for Wyoming Wind Plant; avian, raptor, and raptor nest surveys for wind projects throughout the U.S., Canada, and Nicaragua.

### PROFESSIONAL SUMMARY

- 1991-1992 Field Supervisor, Wildlife International, Easton, Maryland. Responsible for the conduct of large scale terrestrial field projects studying the effects of pesticides on wildlife in agricultural settings. Duties included developing protocols, standard operating procedures, and reports; interviewing, hiring, training and supervising field technicians; coordinating field activities; ensuring that the research was conducted according to FIFRA Good Laboratory Practices; conducting on-site research; and data management and analysis.
- 1990-1991 Environmental Health Specialist, Liberty County, Georgia. Responsible for conducting small scale research projects; data analysis; monitoring, inspecting, enforcement, and supervising technicians in activities concerning environmental compliance; computer database management; individual sewage and waste disposal site assessments and permitting; coordinating food service establishments inspections and safety program; and conducting general laboratory procedures.
- 1989-1990 Research Technician II, Savannah River Ecology Laboratory, Aiken, South Carolina. Conducted field and laboratory research under Dr. Malcolm C. Coulter for a long term study of the foraging and breeding ecology of Wood Storks. Observed Wood Storks at a breeding colony and foraging sites, habitat assessments, sampled and identified vegetation and prey species, aerial surveys, measured water quality, and computer analysis and reporting of data.
- 1986-1988 Research Assistant, University of Georgia. Conducted NSF grant supported field research under Dr. H. Ronald Pulliam, studying community structure and behavioral ecology of mixed species sparrow flocks and populations. A portion of this research culminated in a M.S. degree from the University of Georgia
- 1983-1986 Assistant Curator, Joseph Moore Museum of Natural History, Earlham College. Held several positions including Curator of Live Animals, Curator of the Teaching Collection, Assistant Curator of Ornithology, and Assistant Summer Director. Duties included maintaining a dermestid beetle colony for skeletal specimen preparation, maintaining the live animal displays, field collection of specimens, and computer cataloging of collections.
- 1984-1986 Research Assistant, Earlham College. Field technician under Dr. John Iverson studying long term population dynamics of aquatic turtles and amphibians in the U.S. and Mexico. Duties included utilizing several trapping techniques to capture turtles, marking turtles for mark and recapture purposes, utilizing a drift fence and other capture methods for monitoring toad colonization and utilization of a pond, recording data, and write up of results. Field technician under Dr. James Cope surveying the threatened and endangered bat species of Indiana. Duties included mist-netting bats over rivers and at caves, colony surveys and censusing, marking bats for mark and recapture purposes, and recording data. Field technician under Dr. William Buskirk conducting breeding bird surveys and atlasing in Wayne County, Indiana.

### PROFESSIONAL PUBLICATIONS

- McCrary, J.K. and **D. Young**. 2008. New and Noteworthy Observations of Raptors in Southward Migration in Nicaragua. Observaciones nuevas y notables de aves rapaces en migración hacia el sur en Nicaragua. *Ornitología Neotropical* 19:1-8.
- Johnson, G.D., M.D. Strickland, W.P. Erickson, and **D.P. Young, Jr.** 2007. Use of data to develop mitigation measures for wind power development impacts to birds. Pages 241-257 *In Birds and Wind Farms, Risk Assessment and Mitigation*. M. de Lucas, G.F.E. Janss, and M. Ferrer, (eds.). Quercus Press, Madrid.

- Strickland, M.D., W.P. Erickson, **D.P. Young, Jr.**, and G.D. Johnson. 2007. Selecting study designs to evaluate the effect of windpower on birds. Pages 117–136 *In Birds and Wind Farms, Risk Assessment and Mitigation*. M. de Lucas, G.F.E. Janss, and M. Ferrer, (eds.). Quercus Press, Madrid, Spain.
- Mabee, T.J., B.A. Cooper, J.H. Plissner, and **D.P. Young, Jr.** 2006. Nocturnal bird migration over an Appalachian Ridge at a proposed wind power project. *Wildlife Society Bulletin* 34: 682-690.
- Young, Jr., D.P.** and W.P. Erickson. 2006. Wildlife issue solutions: What have marine radar surveys taught us about avian risk assessment? Paper presented to Wildlife Workgroup Research Meeting VI, NWCC, November 14-16, 2006, San Antonio, Texas.
- Young, Jr., D.P.** and W. P. Erickson. 2006. Wildlife Issue Solutions: What Have Marine Radar Surveys Taught Us About Avian Risk Assessment? Proceedings of the American Wind Energy Association Windpower 2006 Conference and Exhibition, Pittsburgh, Pennsylvania, June 4-7, 2006.
- Erickson, W.P., G.D. Johnson, and **D.P. Young, Jr.** 2005. A summary and comparison of bird mortality from anthropogenic causes with an emphasis on collisions. Page 1029-1042 *in Bird Conservation Implementation and Integration in the Americas: Proceedings of the Third International Partners in Flight Conference, Volume 2*. U.S. Forest Service General Technical Report PSW-GTR-191.
- Young, Jr., D.P.**, W.P. Erickson, M.D. Strickland, R.E. Good, K.J. Sernka. 2002. Comparison of avian responses to UV-light reflective paint on wind turbines, Foote Creek Rim Wind Plant, Carbon County, Wyoming. National Renewable Energy Laboratory, Golden Colorado. October 2002. Project NREL/SR-500-32840.
- Erickson, W.P., G.D. Johnson, M.D. Strickland, **D.P. Young, Jr.**, R.E. Good. 2001. Avian Collisions with Wind Turbines: A Summary of Existing Studies and Comparisons to Other Sources of Avian Collision Mortality in the United States. National Wind Coordinating Committee Resource Document. August 2001.
- Strickland, M.D., W.P. Erickson, G.D. Johnson, **D. Young** and R. Good. 2001. Risk reduction avian studies at the Foote Creek Rim Wind Plant in Wyoming. Pages 107-114 *in Proceedings of the National Avian-Wind Power Planning Meeting IV*. National Wind Coordinating Committee/RESOLVE. Washington, D.C.
- Young, Jr. D.P.**, T. Smith, R.E. Good., C. Pesenti, and N. Wilson. 2001. Fish and Wildlife Management Operational Component Plan, F.E. Warren Air Force Base, Cheyenne, Wyoming., August 2001.
- Young, Jr. D.P.**, T. Smith, R.E. Good., and N. Wilson. 2001. Threatened and Endangered Species Operational Component Plan, F.E. Warren Air Force Base, Cheyenne, Wyoming., July 2001
- Strickland, M.D., **D.P. Young, Jr.**, G.D. Johnson, W.P. Erickson, and C.E. Derby. 2000. Wildlife monitoring studies for the SeaWest Wind Power development, Carbon County, Wyoming. Pages 55-63 *in Proceedings of the National Avian-Wind Power Planning Meeting III*. National Wind Coordinating Committee/RESOLVE. Washington, D.C.
- Johnson, G.D., M.D. Strickland, J.P. Buyok, C.E. Derby, and **D.P. Young, Jr.** 1999. Quantifying impacts to riparian wetlands associated with reduced flows along the Greybull River, Wyoming. *Wetlands* 19:71-77.
- Johnson, G.D., **D.P. Young, Jr.**, W.P. Erickson, M.D. Strickland, and L.L. McDonald. 1996. Assessing river habitat selection by waterfowl wintering in the South Platte River, Colorado. *Wetlands* 16:542-547
- Young, Jr., D.P.**, R. Vinzant, M.D. Strickland. 1994. A proceedings of the Second Wildlife Water development Symposium. Water for Wildlife Foundation, Lander, Wyoming.
- Young, Jr., D.P.** 1993. In the arid west, water for wildlife can make all the difference. *Pronghorn* 7(6):9,15.
- Johnson, G.D., **D.P. Young, Jr.**, W.P. Erickson, M.D. Strickland, and L.L. McDonald. River habitat selection of waterfowl wintering in the South Platte River, Adams County, Colorado. Colorado Water. Proceedings of 1993 South Platte Forum, October 27-28, 1993, Fort Collins, Colorado. Information Series No. 76.
- Coulter, M.C., A.L. Bryan, Jr., and **D.P. Young, Jr.** 1991. A Bibliography of Storks, Ibises and Spoonbills. Savannah River Ecology Laboratory, Aiken, South Carolina USA. 191 pp.
- Young, Jr., D.P.** 1991. Least terns and killdeer nest on roof top in Chatham County. *Oriole* 56:180-182
- Young, Jr., D.P.** 1990. Resource defense by a migratory Song Sparrow. *J. Field Ornithol.* 61:232-236.
- Young, Jr., D.P.** 1988. Geographic distribution, serpentes, *Rhadinaea flavilata*. *Herp. Review.* 19:20.
- Young, Jr., D.P.** 1987. Observations of grasshopper sparrows nesting in Clarke County. *Oriole* 52:49-50.
- Hooper, S.T. and **D.P. Young, Jr.** 1986. Geographic distribution, testudines, *Kinosternon leucostomum*. *Herp. Review.* 17:50-51.
- Miller, A.W. and **D.P. Young, Jr.** 1984. Geographic distribution, testudines, *Sternotherus odoratus*. *Herp. Review.* 15:77.

#### **PAPERS PRESENTED AT REGIONAL AND NATIONAL MEETINGS**

- Young, Jr. D.P.** 2009. Sage grouse studies for the China Mountain Wind Project. Invited presentation for the American Wind Energy Association, Siting Workshop, Seattle, Washington, February 24-25, 2009
- Young, Jr., D.P.** and W.P. Erickson. 2006. Wildlife issue solutions: What have marine radar surveys taught us about avian risk assessment? Paper presented to Wildlife Workgroup Research Meeting VI, NWCC, November 14-16, 2006, San Antonio, TX.

- Young, Jr., D.P.** 2006. Mountain Plovers at Foote Creek Rim: Impacts of Windpower Development. Proceedings of the American Wind Energy Association Windpower 2006 Conference and Exhibition, Pittsburgh, Pennsylvania, June 4-7, 2006.
- Young, Jr., David. P.** and Wallace. P. Erickson. Summary of Avian and Bat Mortality at Newer Generation Wind Plants. Invited presentation for Washington State Chapter of the Wildlife Society Meeting, 2003.
- Young, Jr., David. P.** and Wallace. P. Erickson. Summary of Avian Mortality at Newer Generation Wind Plants. Invited presentation for Wyoming State Chapter of the Wildlife Society Meeting, 2002.
- Young, Jr., D.P.,** W.P. Erickson, G.D. Johnson, M.D. Strickland, and C.E. Derby. 1999. Raptor Risk Assessment: Results Associated with Windpower Development. Presented at the Wildlife Society 6<sup>th</sup> Annual Conference.
- Young, Jr., D.P.** and A.W. Anderson. 1996. The Wyoming Toad Case History: Endangered Species Conflict Resolution. Presented at the Annual Meeting of the Wyoming Chapter of the Wildlife Society.
- Young, Jr., D.P.,** M.D. Strickland, and W.P. Erickson. 1996. Raptor Risk Assessment: Design Associated with Windpower Development. Presented at the 114th Stated Meeting of the American Ornithologist Union
- Young, Jr., D.P.** and A.W. Anderson. 1996. Endangered Species Conflict Resolution: The Wyoming Toad Case History. Presented at the Wildlife Society Third Annual Conference.
- Young, Jr., D.P.** and A.W. Anderson. 1996. Endangered Species Conflict Resolution: The Wyoming Toad Case History. Presented at the Society for the Study of Amphibians and Reptiles, 29th Annual Meeting.
- Johnson, G.D., **D.P. Young, Jr.,** W.P. Erickson, M.D. Strickland, and L.L. McDonald. 1993. River Habitat Selection of Waterfowl Wintering in Segment 15 of the South Platte River, Adams County, Colorado. Presented at the South Platte Forum - Seeking an Integrated Approach to Watershed Management in the South Platte Basin, October, 1993, Fort Collins, CO.
- Young, Jr., D.P.** 1989. The behavior and interaction of sparrow and cotton rat groups. Presented at the American Society of Mammalogists Annual Meeting, Fairbanks, AK.
- Young, Jr., D.P.** 1989. The behavior and interaction of sparrow and cotton rat groups. Presented at the American Ornithologists Union Annual Meeting, Pittsburgh, PA.

#### **SCIENTIFIC ORGANIZATION MEMBERSHIPS**

*American Ornithologists Union  
Society for the Study of Amphibians & Reptiles  
Raptor Research Foundation*