

**Howard L. Jelks**  
**Fish Biologist**

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**EDUCATION**

MS, Wildlife and Range Science, University of Florida, 1990  
BS, Biological Science, Florida State University, 1983

**TRAINING & FIELDS OF INTEREST**

Howard has diverse experience from wetland plants, aquatic invertebrates, fish, and wading birds. He has studied these organisms from the estuaries of Apalachicola Bay, freshwater marshes of the Everglades, and streams of the Piedmont and Coastal Plain. Although he specializes in fishes, he classifies himself as a general naturalist/ecologist. How the dynamic environment structures biotic communities is his broad interest.

**EXPERIENCE**

1978: Summer Science Intern, Florida State University  
1981-1983: Research Assistant, Florida State University  
1984-1992: Graduate Research Assistant, University of Florida  
1993-Present: Fish Biologist, U.S. Fish and Wildlife Service, National Biological Survey,  
National Biological Service, U.S. Geological Survey

**PROFESSIONAL ACTIVITIES AND MEMBERSHIPS**

Member American Society of Ichthyologists and Herpetologists (1996 to present)  
Member of the Florida Native Plant Society (1983 to present)  
Member of the Colonial Waterbird Society (1985-1993)

**GRANTS OR CONTRACTS**

USDOD: Eglin Air Force Base Aquatic Faunal Survey \$88K, Monitoring the Okaloosa darter Population \$74K.

**SELECTED PUBLICATIONS**

- Collopy, M.W., and **H.L. Jelks**. 1987. Distribution of foraging wading birds in relation to the physical and biological characteristics of freshwater wetlands in southwest Florida. Report to Nongame Wildlife Program of the Florida Game and Fresh Water Fish Commission. 104 p.
- Maffei, M.D., and **H.L. Jelks**. 1991. The first successful nesting of wood storks on Arthur R. Marshall Loxahatchee National Wildlife Refuge. Florida Field Naturalist 19(1):12-14
- Jelks, H.L.**, F. Jordan, and W.M. Kitchens. 1992. Response of wading birds and aquatic macrofauna to hydrological conditions and vegetative structure of Loxahatchee National Wildlife Refuge. U.S. Fish and Wildlife Service Work Order 32 Final Report. 133 p.

- Jordan, F., **H.L. Jelks**, and W.M. Kitchens. 1994. Habitat use by the fishing spider, *Dolomedes triton* in a northern everglades wetland. *Wetlands* 14:239-242
- Burkhead, N.M., **H.L. Jelks**, F. Jordan, D.C. Weaver, and J.D. Williams. 1994. The comparative ecology of Okaloosa and brown darters in Boggy and Rocky Bayou stream systems, Choctawhatchee Bay, Florida. Final Report to Eglin Air Force Base. 90 p.
- Jordan, F., **H.L. Jelks**, and W.M. Kitchens. 1997. Habitat structure and plant community composition in a northern Everglades wetland landscape. *Wetlands* 17:275-283
- U.S. Fish and Wildlife Service. 1998. Okaloosa darter (*Etheostoma okaloosae*) Recovery Plan (Revised). Atlanta, Georgia. 42 p. **Jelks, H.L.**, and S. Alam authors.
- Burkhead, N.M. and **H.L. Jelks**. 2000. Essay 1. Diversity, levels of imperilment, and cryptic fishes in the southeastern United States. Pp. 30 - 32, in Abell, R.A., D.M. Olson, E. Dinerstein, P.T. Hurley, J.T. Diggs, W. Eichbaum, S. Walters, W. Wettengel, T. Allnutt, C.J. Loucks, and P. Hedao. Freshwater ecoregions of North America: a conservation assessment. Island Press, Covelo, CA.
- Burkhead, N.M. and **H.L. Jelks**. 2001. The effects of suspended sediment on the reproductive success of a crevice-spawning minnow, the Tricolor Shiner (*Cyprinella trichroistia*). *Transactions of the American Fisheries Society* 130:959-968.
- Smith-Vaniz, W.F., **H.L. Jelks**, and J.E. Randall. In Press. The gulf surgeonfish, *Acanthurus randalli*, a junior synonym of the ocean surgeon, *Acanthurus bahianus* (Teleostei: Acanthuridae). *Gulf of Mexico Science*