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U.S. Department of the Interior  
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## **Amphibians and Reptiles**

Fritts, T. H. 1988. The brown tree snake, *Boiga irregularis*: a threat to Pacific Islands. U.S. Fish and Wildlife Service, Biological Report 88(31). 36 pp. [NERC-Fort Collins]

Nelson, D. A. 1988. Life history and environmental requirements of loggerhead turtles. U.S. Fish and Wildlife Service, Biological Report 88(23). 34 pp. [Publications Unit]

## **Biometrics and Modelling**

Cowardin, L. M., D. H. Johnson, T. L. Shaffer, and D. W. Sparling. 1988. Applications of a simulation model to decisions in mallard management. U.S. Fish and Wildlife Service, Fish and Wildlife Technical Report 17. 28 pp. [Publications Unit]

Wilds, L. J. 1988. The legal-institutional analysis model (LIAM): a validation. U.S. Fish and Wildlife Service, Biological Report 88(33). 73 pp. [NERC-Fort Collins]

## **Birds—Nongame, Colonial Wading Birds, Raptors, Game**

Banks, R. C. 1988. Obsolete English names of North American birds and their modern equivalents. U.S. Fish and Wildlife Service, Resource Publication 174. 37 pp. [Publications Unit]

Dwyer, T. J., G. F. Sepik, E. L. Derleth, and D. G. McAuley. 1988. Demographic characteristics of a Maine woodcock population and effects of habitat management. U.S. Fish and Wildlife Service, Fish and Wildlife Research 4. 29 pp. [Publications Unit]

Hothem, R. L., R. W. DeHaven, and S. D. Fairaizl. 1988. Bird damage to sunflower in North Dakota, South Dakota, and Minnesota, 1979–81. U.S. Fish and Wildlife Service, Fish and Wildlife Technical Report 15. 11 pp. [Publications Unit]

Otis, D. L., and C. M. Kilburn. 1988. Influence of environmental factors on blackbird damage to sunflower. U.S. Fish and Wildlife Service, Fish and Wildlife Technical Report 16. 11 pp. [Publications Unit]

## **Birds—Waterfowl**

Kirby, R. E. 1988. American black duck breeding habitat enhancement in the northeastern United States: review and synthesis. U.S. Fish and Wildlife Service, Biological Report 88(4). 50 pp. [Publications Unit]

Knittle, C. E., and R. D. Porter. 1988. Waterfowl damage and control methods in ripening grain: an overview. U.S. Fish and Wildlife Service, Fish and Wildlife Technical Report 14. 17 pp. [Publications Unit]

## **Contaminants**

Eisler, R. 1988. Lead hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish and Wildlife Service, Biological Report 85(1.14). 134 pp. [PWRC-Patuxent]

Eisler, R. 1989. Tin hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish and Wildlife Service, Biological Report 85(1.15). 83 pp. [PWRC-Patuxent]

Gilderhus, P. A., V. K. Dawson, and J. L. Allen. 1988. Deposition and persistence of rotenone in shallow ponds during cold and warm seasons. U.S. Fish and Wildlife Service, Investigations in Fish Control 95. 7 pp. [NFLX-LaCrosse]

Hall, R. J., and N. C. Coon. 1988. Interpreting residues of petroleum hydrocarbons in wildlife tissues. U.S. Fish and Wildlife Service, Biological Report 88(15). 7 pp. [Publications Unit]

Hunn, J. B. 1988. Field assessment of the effects of contaminants on fishes. U.S. Fish and Wildlife Service, Biological Report 88(19). 25 pp. [Publications Unit]

Krueger, H. O., J. P. Ward, and S. H. Anderson. 1988. A resource manager's guide for using aquatic organisms to assess water quality for evaluation of contaminants. U.S. Fish and Wildlife Service, Biological Report 88(20). 45 pp. [NERC-Fort Collins]

Lemly, A. D., and G. J. Smith. 1988. Aquatic cycling of selenium: implications for fish and wildlife. U.S. Fish and Wildlife Service, Fish and Wildlife Leaflet 12. 10 pp. [Publications Unit]

Odenkirchen, E. W., and R. Eisler. 1988. Chlorpyrifos hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish and Wildlife Service, Biological Report 85(1.13). 34 pp. [PWRC-Patuxent]

### **Disease—Fish**

Bullock, G. L., and J. P. McCraren. 1988. Edwardsiella infections of fishes. U.S. Fish and Wildlife Service, Fish Health Bulletin 1. 5 pp. [NFRL-Leetown]

Bullock, G. L., and R. L. Herman. 1988. Bacterial kidney disease of salmonid fishes caused by *Renibacterium salmoninarum*. U.S. Fish and Wildlife Service, Fish Disease Leaflet 78. 10 pp. [NFRL-Leetown]

### **Disease—Wildlife**

McDonald, M. E. 1988. Key to Acanthocephala reported in waterfowl. U.S. Fish and Wildlife Service, Resource Publication 173. 45 pp. [Publications Unit]

Mulcahy, D., P. Warpinski, L. Benjamin, and D. Hamilton. 1988. Avian cholera and related topics: an annotated bibliography. U.S. Fish and Wildlife Service, Biological Report 88(40). 190 pp. [NERC-Fort Collins]

### **Endangered and Threatened Species**

Dodd, C. K., Jr. 1988. Synopsis of the biological data on the loggerhead sea turtle *Caretta caretta* (Linnaeus 1758). U.S. Fish and Wildlife Service, Biological Report 88(14). 110 pp. [Publications Unit]

Marshall, D. B. 1988. Status of marbled murrelet in North America: with special emphasis on populations in California, Oregon, and Washington. U.S. Fish and Wildlife Service, Biological Report 88(30). 19 pp. [Publications Unit]

Mattsson, J. P. 1988. Annotated historical records of bald eagles from the northern United States. U.S. Fish and Wildlife Service, Biological Report 88(10). 65 pp. [Publications Unit]

Whitman, P. L. 1988. Biology and conservation of the endangered interior least tern: a literature review.

U.S. Fish and Wildlife Service, Biological Report 88(3). 22 pp. [Publications Unit]

### **Environmental Impacts**

Gladwin, D. N., K. M. Mancini, and R. Villeda. 1988. Effects of aircraft noise and sonic booms on domestic animals and wildlife: bibliographic abstracts. U.S. Fish and Wildlife Service, NERC 88(32). 78 pp. [NERC-Fort Collins]

Mancini, K. M., D. N. Gladwin, R. Villeda, and M. G. Cavendish. 1988. Effects of aircraft noise and sonic booms on domestic animals and wildlife: a literature synthesis. U.S. Fish and Wildlife Service, NERC 88(29). 88 pp. [NERC-Fort Collins]

### **Fish and Wildlife Management**

Armour, C. L. 1988. Guidance for modeling causes and effects in environmental problem solving. U.S. Fish and Wildlife Service, Biological Report 89(4). 21 pp. [NERC-Fort Collins]

Crance, J. H. 1988. Relationships between palustrine wetlands of forested riparian floodplains and fishery resources: a review. U.S. Fish and Wildlife Service, Biological Report 88(32). 27 pp. [NERC-Fort Collins]

Fancy, S. G., L. F. Pank, D. C. Douglas, C. H. Curby, G. W. Garner, S. C. Amstrup, and W. L. Regelin. 1988. Satellite telemetry: a new tool for wildlife research and management. U.S. Fish and Wildlife Service, Resource Publication 172. 54 pp. [Publications Unit]

Jahrsdoefer, S. E., and D. M. Leslie, Jr. 1988. Tamaulipan brushland of the Lower Rio Grande Valley of south Texas: description, human impacts, and management options. U.S. Fish and Wildlife Service, Biological Report 88(36). 63 pp. [Publications Unit]

Matter, W. J., and R. W. Mannan. 1988. Sand and gravel pits as fish and wildlife habitat in the Southwest. U.S. Fish and Wildlife Service, Resource Publication 171. 11 pp. [Publications Unit]

### **Fish—Anadromous**

Bley, P. W., and J. R. Moring. 1988. Freshwater and ocean survival of Atlantic salmon and steelhead: a

synopsis. U.S. Fish and Wildlife Service, Biological Report 88(9). 22 pp. [Publications Unit]

### Fish – Nutrition

Lemm, C. A., D. V. Rottiers, D. S. Dropkin, and B. A. Dennison. 1988. Growth, composition, and fin quality of Atlantic salmon fed different diets at seasonal temperatures. U.S. Fish and Wildlife Service, Biological Report 88(8). 12 pp. [Publications Unit]

### Fishery Chemicals

Bills, T. D., J. J. Rach, and L. L. Marking. 1988. Toxicity of rotenone to developing rainbow trout. U.S. Fish and Wildlife Service, Investigations in Fish Control 93. 3 pp. [NFLX–LaCrosse]

Marking, L. L. 1988. Oral toxicity of rotenone to mammals. U.S. Fish and Wildlife Service, Investigations in Fish Control 94. 5 pp. [NFLX–LaCrosse]

Rach, J. J., T. D. Bills, and L. L. Marking. 1988. Acute and chronic toxicity of rotenone to *Daphnia magna*. U.S. Fish and Wildlife Service, Investigations in Fish Control 92. 5 pp. [NFLX–LaCrosse]

### HSI Models: Species Profiles/ Community Profiles/Estuarine Profiles

Allen, A. W., P. A. Jordan, and J. W. Terrell. 1988. Habitat suitability index models: moose, Lake Superior Region. U.S. Fish and Wildlife Service, Biological Report 82(10.155). 47 pp. [NERC–Fort Collins]

Barnhart, R. A. 1988. Species profile: life histories and environmental requirements of coastal fishes and invertebrates (Pacific Southwest) – Pacific herring. U.S. Fish and Wildlife Service, Biological Report 82(11.79). 14 pp. [NWRC–Slidell]

Blumton, A. K., R. B. Owen, Jr., and W. B. Krohn. 1988. Habitat suitability index models: American eider (breeding). U.S. Fish and Wildlife Service, Biological Report 82(10.149). 24 pp. [NERC–Fort Collins]

Bovee, K. D., and J. R. Zuboy, eds. 1988. Proceedings of a workshop on the development and evaluation of habitat suitability criteria. U.S. Fish and Wildlife Service, Biological Report 88(11). 407 pp. [CSU]

Edsall, T. A., and B. A. Manny. 1988. The St. Clair River and Lake St. Clair, Michigan: an ecological profile. U.S. Fish and Wildlife Service, Biological Report 85(7.3). 130 pp. [NWRC–Slidell]

Hassler, T. J. 1988. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (Pacific Southwest) – striped bass. U.S. Fish and Wildlife Service, Biological Report 82(11.82). 29 pp. [NWRC–Slidell]

Hay, M. E., and J. P. Sutherland. 1988. The ecology of rubble structures of the south Atlantic bight: a community profile. U.S. Fish and Wildlife Service, Biological Report 85(7.20). 67 pp. [NWRC–Slidell]

Jewett, S. C., and C. P. Onuf. 1988. Habitat suitability index models: red king crab. U.S. Fish and Wildlife Service, Biological Report 82(10.153). 34 pp. [NERC–Fort Collins]

Lewis, R. R., III, and E. D. Estevez. 1988. The ecology of Tampa Bay, Florida: an estuarine profile. U.S. Fish and Wildlife Service, Biological Report 85(7.18). 132 pp. [NWRC–Slidell]

Manny, B. A., and T. A. Edsall. 1988. The Detroit River, Michigan: an ecological profile. U.S. Fish and Wildlife Service, Biological Report 85(7.17). 86 pp. [NWRC–Slidell]

McKenzie, P. M., and P. J. Zwank. 1988. Habitat suitability index models: black-bellied whistling-duck (breeding). U.S. Fish and Wildlife Service, Biological Report 82(10.150). 22 pp. [NERC–Fort Collins]

Moran, D. 1988. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (Gulf of Mexico) – red snapper. U.S. Fish and Wildlife Service, Biological Report 82(11.83). 19 pp. [NWRC–Slidell]

Nichols, F. H., and M. M. Pamatmat. 1988. The ecology of the soft-bottom benthos of San Francisco Bay: a community profile. U.S. Fish and Wildlife Service, Biological Report 85(7.19). 67 pp. [NWRC–Slidell]

Ohmart, R. D., B. W. Anderson, and W. C. Hunter. 1988. The ecology of the lower Colorado River from Davis Dam to the Mexico-United States international boundary: a community profile. U.S. Fish and Wildlife Service, Biological Report 85(7.19). 296 pp. [NERC–Fort Collins]

Pauley, G. B., K. L. Bowers, and G. L. Thomas. 1988. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (Pacific Northwest) – chum salmon. U.S. Fish and Wildlife Service, Biological Report 82(11.81). 17 pp. [NWRC–Slidell]

Shaw, W. N., T. J. Hassler, and D. P. Moran. 1988. Species profiles: life history and environmental requirements of coastal fishes and invertebrates (Pacific Southwest) – California sea mussels and bay mussels. U.S. Fish and Wildlife Service, Biological Report 82(11.84). 16 pp. [NWRC–Slidell]

Wilson, W. H., Jr., and R. E. Ruff. 1988. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (North Atlantic) – sandworm and bloodworm. U.S. Fish and Wildlife Service, Biological Report 82(11.80). 23 pp. [NWRC–Slidell]

### **Instream Flows/Water Allocation/Water Resources**

Douglas, A. J. 1988. Annotated bibliography of economic literature on instream flows. U.S. Fish and Wildlife Service, Biological Report 88(39). 36 pp. [NERC–Fort Collins]

Keup, L. E. 1988. Invertebrate fish food resources of lotic environments (IFIP No. 24). U. S. Fish and Wildlife Service, Biological Report 88(13). 96 pp. [NERC–Fort Collins]

McKinney, M. J., and J. G. Taylor. 1988. Western state instream flow programs: a comparative assessment. U.S. Fish and Wildlife Service, Biological Report 89(2). 78 pp. [NERC–Fort Collins]

Raley, C., W. Hubert, and S. Anderson. 1988. Maintenance of flows downstream from water development projects in Colorado, Montana, and Wyoming: Appendix A. U.S. Fish and Wildlife Service, Biological Report 88(27). 124 pp. [NERC–Fort Collins]

Swanson, G. A., T. C. Winter, V. A. Adomaitis, and J. W. LaBaugh. 1988. Chemical characteristics of prairie lakes in south-central North Dakota – their potential for influencing use by fish and wildlife. U.S. Fish and Wildlife Service, Fish and Wildlife Technical Report 18. 44 pp. [Publications Unit]

Truitt, R. C. 1988. Opportunities to protect instream flows and wetlands uses of water in South Carolina. U.S. Fish and Wildlife Service, Biological Report 88(34). 46 pp. [NERC–Fort Collins]

### **Invertebrates**

Furniss, M. M., D. C. Ferguson, K. W. Voget, J. W. Burkhart, A. R. Tiedermann, and J. L. Oldemeyer. 1988. Taxonomy, life history, and ecology of a mountain mahogany defoliator, *Stammnodes animata* (Pearsall), in Nevada. U.S. Fish and Wildlife Service, Fish and Wildlife Research 3. 26 pp. [Publications Unit]

### **Mammals**

Cypher, B. L., and E. A. Cypher. 1988. Ecology and management of white-tailed deer in northeastern coastal habitats: a synthesis of literature pertinent to National Wildlife Refuges from Maine to Virginia. U.S. Fish and Wildlife Service, Biological Report 88(15). 52 pp. [Publications Unit]

Smith, N. S., and P. R. Krausman. 1988. Desert bighorn sheep: a guide to selected management practices. U.S. Fish and Wildlife Service, Biological Report 88(35). 27 pp. [Publications Unit]

### **Miscellaneous**

Hall, R. J. 1988. Annotated bibliography of field studies conducted on the Patuxent Wildlife Research Center, 1940–1987. U.S. Fish and Wildlife Service, Biological Report 88(2). 16 pp. [Publications Unit]

Pauley, G. B., B. Van Der Raay, and D. Troutt. 1988. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (Pacific Northwest) – Pacific oyster. U.S. Fish and Wildlife Service, Biological Report 82(11.85). 28 pp. [NWRC–Slidell]

### **Planning and System Analysis**

Short, C. 1988. Mitigation banking. U.S. Fish and Wildlife Service, Biological Report 88(41). 103 pp. [NERC–Fort Collins]

### **Plants**

Thompson, D. Q., R. L. Stuckey, and E. B. Thompson. 1988. Spread, impact, and control of purple loosestrife (*Lythrum salicaria*) in North

American wetlands. U.S. Fish and Wildlife Service, Fish and Wildlife Research 2. 55 pp. [Publications Unit]

## **Wetlands — Ecology and Management**

- Baad, M. F. 1988. Soil-vegetation correlations within the riparian zone of Butte Sink in the Sacramento Valley of northern California. U.S. Fish and Wildlife Service, Biological Report 88(25). 48 pp. [NERC-Fort Collins]
- Christensen, N. L., R. B. Wilbur, and J. S. McLean. 1988. Soil-vegetation correlations in the pocosins of Croatan National Forest, North Carolina. U.S. Fish and Wildlife Service, Biological Report 88(28). 97 pp. [NERC-Fort Collins]
- Eicher, A. L. 1988. Soil-vegetation correlations in wetlands and adjacent uplands of the San Francisco Bay estuary, California. U.S. Fish and Wildlife Service, Biological Report 88(21). 35 pp. [NERC-Fort Collins]
- Hubbard, D. E. 1988. Glaciated prairie wetland functions and values: a synthesis of the literature. U.S. Fish and Wildlife Service, Biological Report 88(43). 50 pp. [NERC-Fort Collins]
- Hubbard, D. E., J. B. Millar, D. D. Malo, and K. F. Higgins. 1988. Soil-vegetation correlations in prairie potholes of Beadle and Deuel Counties, South Dakota. U.S. Fish and Wildlife Service, Biological Report 88(22). 97 pp. [NERC-Fort Collins]
- Kirby, R. E. 1988. Fire in North American wetland ecosystems and fire-wildlife relations: an annotated bibliography. U.S. Fish and Wildlife Service, Biological Report 88(1). 146 pp. [Publications Unit]
- Nachlinger, J. L. 1988. Soil-vegetation correlation in riparian and emergent wetlands, Lyon County, Nevada. U.S. Fish and Wildlife Service, Biological Report 88(17). 39 pp. [NERC-Fort Collins]
- Reed, P. B., Jr. 1988. National list of plant species that occur in wetlands: Southeast (Region 2). U.S. Fish and Wildlife Service, Biological Report 88(26.2). 124 pp. [NERC-Fort Collins]
- Reed, P. B., Jr. 1988. National list of plant species that occur in wetlands: Northeast (Region 1). U.S. Fish and Wildlife Service, Biological Report 88(26.1). 111 pp. [NERC-Fort Collins]
- Reed, P. B., Jr. 1988. National list of plant species that occur in wetlands: California (Region 0). U.S. Fish and Wildlife Service, Biological Report 88(26.10). 135 pp. [NERC-Fort Collins]
- Reed, P. B., Jr. 1988. National list of plant species that occur in wetlands: North Central (Region 3). U.S. Fish and Wildlife Service, Biological Report 88(26.3). 99 pp. [NERC-Fort Collins]
- Reed, P. B., Jr. 1988. National list of plant species that occur in wetlands: North Plains (Region 4). U.S. Fish and Wildlife Service, Biological Report 88(26.4). 64 pp. [NERC-Fort Collins]
- Reed, P. B., Jr. 1988. National list of plant species that occur in wetlands: national summary. U.S. Fish and Wildlife Service, Biological Report 88(24). 244 pp. [NERC-Fort Collins]
- Reed, P. B., Jr. 1988. National list of plant species that occur in wetlands: Southwest (Region 7). U.S. Fish and Wildlife Service, Biological Report 88(26.7). 71 pp. [NERC-Fort Collins]
- Reed, P. B., Jr. 1988. National list of plant species that occur in wetlands: Alaska (Region A). U.S. Fish and Wildlife Service, Biological Report 88(26.11). 86 pp. [NERC-Fort Collins]
- Reed, P. B., Jr. 1988. National list of plant species that occur in wetlands: Intermountain (Region 8). U.S. Fish and Wildlife Service, Biological Report 88(26.8). 76 pp. [NERC-Fort Collins]
- Wolfe, S. H., J. A. Reidenauer, and D. B. Means. 1988. An ecological characterization of the Florida panhandle. U.S. Fish and Wildlife Service, Biological Report 88(12). 277 pp. [NWRC-Slidell]