

Chapter 7

REFERENCES CITED

- 3D/International 1998. Mist net survey and telemetry study of Indiana bats (*Myotis sodalis*) on the Tell City Ranger District of the Hoosier National Forest in Perry and Crawford counties, Indiana. Cincinnati, OH. 38 p. + appendices.
- Aber, J.D. 1990. Forest ecology and the forest ecosystem. pp 119-143, In: Young, R.A.; Giese, R.L., eds. Introduction to Forest Science. New York: Wiley & Sons.
- Abrams, Marc D. 1992. Fire and the development of oaks. *Bioscience*. 42:346-353.
- Abrams, Marc D. 2003. Where has all the white oak gone? *BioScience*. 53(10):927-939.
- Abrams, Marc D. 2005. Prescribed fire in Eastern oak forests: is time running out? *Northern Journal of Applied Forestry*. 22(3):190-196.
- Adams, Aaron S.; Rieske-Kinney, Lynne K. 1999. The impact of prescribed fire on herbivory levels of understory white oak. In: Stringer, Jeffrey W. Loftis, David L., eds. Proceedings, 12th central hardwood forest conference; 1999 February 28-March 1-2; Lexington, KY. Gen Tech. Rep. SRS-24. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 293 p.
- Adams, A.S.; Rieske, L.K. 2001. Herbivory and fire influence white oak (*Quercus alba* L.) seedling vigor. *Forest Science*. 47(3):331-337.
- Adams, Lowell W.; Geis, Aelred D. 1983. Effects of roads on small mammals. *Journal of Applied Ecology*. 20(2):403-415.
- Ahlgren, I.F.; Ahlgren C.E. 1960. Ecological effects of forest fires. *Botanical Review* 26:483-533.
- Aley, T.; Aley, C.; Elliott, W.R.; *et al.* 1993. Karst and cave resource significance assessment Ketchikan area, Tongass National Forest, Alaska. Final Report, prepared for Ketchikan Area of the Tongass National Forest. 79 p. + appendix.
- Allan, J.D. 1995. Stream ecology. Dordrecht, The Netherlands: Kluwer Academic Press. 388 p.
- Alverson, William S.; Waller, Donald M.; Solheim, Stephen L. 1988. Forests too deer: edge effects in northern Wisconsin. *Conservation Biology*. 2(4):348-358.
- Ambuel, B.; Temple, S.A. 1983. Area-dependent changes in the bird communities and vegetation of southern Wisconsin forests. *Ecology*. 64:1057-1068.
- American Fisheries Society. 2004. Draft study report on dam removal for the AFS resource policy committee. Bigford, T., ed. Bethesda, MD: American Fisheries Society. 64 p.

American Motorcycle Association (AMA). 1995. Activities for off-highway motorcycle and ATV enthusiasts, 1995. Unpublished brochure. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Anders, A.D.; Faaborg, J.; Thompson F.R. 1998. Postfledging dispersal, habitat use, and home-range size of juvenile wood thrushes. *Auk*. 115:349-358.

Anderson, S. H.; Robbins, C.S. 1981. Habitat size and bird community management. *Transatlantic North American Wildlife and Natural Resources Conference*. 46:511-20.

Andrle, R. F.; Carrol, J.R., eds. 1988. The atlas of breeding birds in New York State. Ithaca, NY: Cornell University. 551 p.

Annand, E. M.; Thompson, F.R., III. 1997. Forest bird response to regeneration practices in central hardwood forests. *Journal of Wildlife Management*. 61:159-171.

Arthur, S.C. 1931. The fur animals of Louisiana. Louisiana Department of Conservation. Bulletin 18. 433 p.

Artman, V. L.; Sutherland, E.K.; Downhower, J.F. 2001. Prescribed burning to restore mixed-oak communities in southern Ohio: effects on breeding-bird populations. *Conservation Biology*. 15:1423–1434.

Askins, R.A. 1994. Open corridors in a heavily forested landscape: impact on shrubland and forest-interior birds. *Wildlife Society Bulletin*. 22: 339-347.

Askins, R.A. 1998. Restoring forest disturbances to sustain populations of shrubland birds. *Restoration and Management Notes*. 16:166-173.

Askins, R.A. 2000. Restoring North America's birds: lessons from landscape ecology. New Haven, CT: Yale University.

Askins, R.A. 2001. Sustaining biological diversity in young forests and thickets: the challenge of managing unpopular habitats. *Wildlife Society Bulletin*. 29:407-412.

Askins, R.A., Philbrick, M.J.; Sugeno, D.S. 1987. Relationship between the regional abundance of forest and the composition of forest bird communities. *Biological Conservation*. 39: 129-152.

Askins, Robert A. 2002. Restoring North America's birds: lessons from landscape ecology. Second edition. New Haven, CT: Yale University Press. 332 p.

Attiwil, P.W. 1994. The disturbance of forest ecosystems: the ecological basis for conservation management. *Forest Ecology and Management*. 63:247-300.

Audubon, J.J. 1831. Ornithological biography, 5 vols. Vol.: 1831-1835. Edinburgh.

Aust, Michael W.; Kyle, Kevin; Marion, Jeffery L. 2005. Research for the development of best management practices to minimize horse trail impacts on the Hoosier National Forest. Blacksburg, VA: Virginia Tech Department of Forestry. 80 p.

Backs, S. E. 1984. Ruffed Grouse restoration in Indiana. Proceedings of the Midwest Fish and Wildlife Conference. 45:37-58.

Backs, S.E. 2004. Breeding indices of ruffed grouse – spring 2004. Indiana Department of Natural Resources, Division of Fish and Wildlife, Wildlife Management and Research Notes.

Baichtal, J.F. 1993. Evolution of karst management on the Ketchikan area of the Tongass National Forest: development of an ecologically sound approach. In: Proceedings of National Cave Management Symposium, 1993. Ama. Cave Conserv. Assoc. 14 p.

Barclay, Robert M.R.; Brigham R. Mark. 2004. Geographic variation in the echolocation calls of bats: a complication for identifying species by their calls. In: Brigham, R.M.; Kalko, Elisabeth K.V.; Jones, Gareth; *et al.*, eds. 2004. Bat echolocation research: tools, techniques and analysis. Austin, TX: Bat Conservation International. pp. 145-149.

Barrett, Robert. 1976. Some effects of vehicles on wintering deer within the Eldorado National Forest. Unpublished Paper. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Basile, Cynthia M. 2005. Review of new information for consideration of the Hoosier National Forest-forest openings maintenance—breeding bird surveys and species viability evaluation. Hoosier National Forest. 9 p.

Batcheler, C.L. 1968. Compensatory responses of artificially controlled mammalian populations. Proceedings of the New Zealand Ecological Society. 15:25-30.

Beasley, R. Scott; Granillo, Alfredo B. 1985. Water yields and sediment losses from chemical and mechanical site preparation in southwest Arkansas. In: Blackmon, B.G., ed. Proceedings of forestry and water quality: a mid-south symposium. Little Rock, AR: University of Arkansas. pp. 106-116.

Bechtoldt, Catherine L.; Stouffer, Philip C. 2005. Home-range size, response to fire, and habitat preferences of wintering Henslow's sparrows. The Wilson Bulletin. 117(3):211-326.

Beckwith, S.L. 1954. Ecological succession on abandoned farm lands and its relationship to wildlife management. Ecological Monographs. 24:349-376.

Beckwitt, Eric. 1989. Monitoring—preventing the decline of North America's temperate forest ecosystems. Presentation at US Forest Service National Workshop on Soil and Water Quality Monitoring, March 13-16, 1989. Sacramento, CA.

Bednarek, A. 2001. Undamming rivers: a review of the ecological impacts of dam removal. Environmental Management. 27:803-814.

Bender, L.C.; Minnis, D.L.; Haufler, J.B. 1997. Wildlife responses to thinning red pine. Northern Journal of Applied Forestry. 14:141-146.

- Benzie, J.W. 1977. Manager's handbook for red pine in the north central states. Gen. Tech. Rep. NC-33. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 22 p.
- Beschta, Robert L. 1990. Effects of fire on water quantity and quality. In: Natural and prescribed fire in Pacific Northwest forests. Corvallis, OR: Oregon State University Press. pp. 219-232.
- Bess, J. 2004. A final report on insect surveys at three barrens special interest areas (Hoosier National Forest: Perry County, Indiana) with a special emphasis on forester sensitive species. Draft. OTIS Enterprises. Wanatach, IN. 18 p. [On file with Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].
- Biggins, R.G. 1991. Recovery plan for fanshell (*Cyprogenia stegaria* (= *C. irrota*)). USDI Fish and Wildlife Service. 37 p.
- Bilby, R. E.; Wasserman, L.J. 1989. Forest practices and riparian management in Washington State - data based on regulation development. In: Graswell, R.E.; Barton, B.A.; Kershner, J.L., eds. Practical approaches to riparian resource management. Billings, MT: U.S. Bureau of Land Management.
- Binkley, Dan; Brown, Thomas C. 1993. Forest practices as non-point sources of pollution in North America. Water Resources Bulletin. 29:729-739.
- Blake, J.G.; Karr, J.R. 1984. Species composition of bird communities and the conservation benefit of large versus small forests. Biological Conservation. 30:173-187.
- Bliss, J.C. 2000. Public perceptions of clearcutting. Journal of Forestry. 98:4-9.
- Bollinger, E. K. 1995. Successional changes and habitat selection in hayfield bird communities. Auk. 112:720-730.
- Boston, Chris; Gaede, Diana; Raecker, Scott. 1997. History and trends in OHV recreation. Unpublished paper. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].
- Boyce, M.S. 1992. Population viability analysis. Annual Review of Ecology and Sys. 23:481-506.
- Brack, V. W., Jr. 1983. The nonhibernating ecology of bats in Indiana with emphasis on the endangered Indiana bat, *Myotis sodalis*. West Lafayette, IN: Purdue University, Ph.D. dissertation. 280 p.
- Brack, V.; Dunlap, K. 2001. A 2000-2001 winter survey for Indiana bats (*Myotis sodalis*) in hibernacula of Indiana. Indiana Department of Natural Resources, Division of Fish and Wildlife, Nongame and Endangered Wildlife Program. 92 p.
- Brack, V., Jr.; LaVal, R.K. 1985. Food habits of the Indiana bat in Missouri. Journal of Mammalogy. 66:308-315.

Brack, V.; Stihler, Jr., C.W.; Reynolds, R.J.; *et al.* 2002. Effect of climate and elevation on distribution and abundance in the mideastern United States. In: Kurta, A.; Kennedy, J., ed. The Indiana bat: Biology and management of an endangered species. Austin, TX: Bat Conservation International.

Brack, V.; Whitaker, Jr., J.O.; Pruitt, S.E.. 2004. Bats of Hoosier National Forest, Indiana. *Proceedings of the Indiana Academy of Science*. 113:76-86.

Brady, J.; Kunz, T.; Tuttle, M.D. *et al.* 1982. Gray bat recovery plan. USDI Fish and Wildlife Service. 22 p. + appendices.

Brady, Nyle C. 1974. The nature and properties of soils. 8th ed. New York: Macmillan. 593 p.

Bratkovich, Steven; Durham, Glenn; Gallion, Joey; *et al.* 2002. The economic importance of Indiana's forests. USDA., State and Private Forestry NA/TP 02-04. 18 p.

Bratkovich, Steven; Gallion, Joey; Leatherbery, Earl; *et al.* 2004. Forests of Indiana: their economic importance. USDA., State and Private Forestry NA/TP 02-04. 18 p.

Brawn, J. D.; Robinson, S.K. 1996. Source-sink population dynamics may complicate the interpretation of long-term census data. *Ecology*. 77:3-12.

Brayley, Russel. 2001. Visitor profile study executive summary, summer/fall 2000. Tell City, IN: Perry County Convention and Visitors Bureau. 5 p.

Brennan, Leonard A. 1999. Northern bobwhite (*Colinus virginianus*). No. 397 In: Poole, A.; Gill, F., eds. The Birds of North America. Philadelphia: The Birds of North America.

Brittingham, M. C.; Temple, S. A. 1983. Have cowbirds caused forest songbirds to decline? *Bioscience*. 33:31-35.

Britzke, E.R.; Harvey, M.J.; Loeb, S.C.. 2003. Indiana bat, *Myotis sodalis*, maternity roosts in the southern United States. *Southeastern Naturalist*. 2:235-242.

Brooks, R. P.; O'Connell, T.J.; Wardrop, D.H.; *et al.* 1998. Towards a regional index of biological integrity: The example of forested riparian ecosystems. *Environmental Monitoring and Assessments*. 51:131-143.

Brose, Patrick H.; Van Lear, David H.; Cooper, Roderick. 1999. Using shelterwood harvests and prescribed fire to regenerate oak stands on productive upland sites. *Forest Ecology and Management*. 113:125-141.

Brown, L.N. 1997. River otter: A guide to the mammals of the Southeastern United States. Knoxville, TN: University of Tennessee Press.

Brozka, Robert J. 1982. Effects of timber harvesting and associated roads on water quality, and management practices to mitigate these effects - a literature review. New Mexico Natural Resources Department, Forestry Division. 70 p.

Bruner, A.W. 1988. Blackburnian Warbler. Pg 366 In: Castrale, J.S.; Hopkins, E.M.; Keller, C.E., eds. Atlas of Breeding Birds of Indiana. Indiana Department of Natural Resources, Division of Fish and Wildlife, Nongame and Endangered Wildlife Program.

Brussat, Frederic; Brussat, Mary Ann. 2005. Book Review of: Last child in the woods: saving our children from nature-deficit disorder. Available at http://www.gracecathedral.org/enrichment/b_review/brev_20050628.shtml. Date accessed: September 19, 2005.

Buech, R.R.; Siderits, K.; Radtke, R.E.; *et al.* 1977. Small mammal populations after a wildfire in northeast Minnesota. Res. Pap. NC-151. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 8 p.

Buehler, D.A. 2000. Bald eagle (*Haliaeetus leucocephalus*). In: Poole, A.; Gill, F. ed. The Birds of North America. No. 506. Philadelphia: The Birds of North America, Inc.

Bulan, C.A.; Barrett, G. W. 1971. The effects of two acute stresses on the arthropod component of an experimental grassland ecosystem. Ecology. 52:597-605.

Burhans, Dirk E. 2002. Conservation assessment: Henslow's sparrow *Ammodramus henslowii*. Gen. Tech. Rep. NC-226. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 46 p.

Burke, Dawn M.; Nol, Erica. 1998. Influence of food abundance, nest-site habitat, and forest fragmentation on breeding ovenbirds. The Auk. 115(1):96-104.

Burkhead, N.M.; Jelks, H.L. 2001. Effects of suspended sediment on the reproductive success of the tricolor shiner, a crevice-spawning minnow. Transactions of the American Fisheries Society. 130:959-968.

Burns, R.M.; Honkala, B.H. 1990. Silvics of North America: 2. Hardwoods. Agriculture Handbook 654. Vol. 2, U.S. Department of Agriculture, Forest Service, Washington, D.C. 877 p.

Burr, Brooks M.; Sipiorski, Justin T.; Thomas, Matthew R.; *et al.* 2004. Fishes, mussels, crayfishes, and aquatic habitats of the Hoosier-Shawnee ecological assessment area. In: Thompson, Frank R. III, ed. The Hoosier-Shawnee Ecological assessment. Gen Tech. Rep. NC-244. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. pp. 109-171.

Bushman, E. S.; Therres, G.D. 1988. Habitat management guidelines for forest interior breeding birds of coastal Maryland. Maryland Dept. Natural Resources, Wildlife Technical Publication. 88-1 50 pp.

Butler, A.W. 1898. Birds of Indiana, 22nd Annual Report. Indiana Department of Geology and Natural Resources.

Bystrak, D.; Robbins, C. 1977. Bird population trends detected by the North American breeding bird survey. Polish Ecological Studies. 3:131-143.

Cabe, P.R. 1993. European starling. In: The birds of North America, no. 48. 24 p.

Callahan III, E. V. 1993. Indiana bat summer habitat requirements. Columbia, MO: M.S. thesis University of Missouri.

Callahan, E. V.; Drobney, R.D.; Clawson, R.L. 1997. Selection of summer roosting sites by Indiana bats (*Myotis sodalis*) in Missouri. *Journal of Mammalogy*. 78:818–825.

Campbell, J. J. N.; Taylor, D.D.; Medley, M.E.; *et al.* 1991. Floristic and historical evidence of fire-maintained, grassy pine-oak barrens before settlement in southeastern Kentucky. pp 359-375, In: Nodvin; S.C.; Waldrop, T.A., eds. *Fire and the Environment: Ecological and Cultural Perspectives*, Proceedings of a National Symposium. Asheville, NC: Southeastern Forest Experiment Station.

Carlton, J.T. 1993. Dispersal mechanisms of the zebra mussels - biology, impacts, and control. In: Nalepa, T.F.; Schloesser, D.W., eds. *Boca Raton, FL: Lewis Publishers*. (Vaughan). pp. 677-696.

Carson, Walter; Schumacher, Henry; Adams, Beth; *et al.* 2005. Understanding ecological process in regenerating an oak forest. No publishing information available.

Carter, T.C. 2003. Summer habitat use of roost trees by the endangered Indiana bat (*Myotis sodalis*) in the Shawnee National Forest in southern Illinois. Carbondale, IL: Southern Illinois University, PhD dissertation.

Carter, T.C.; Carroll, S.K.; Hofmann, J.E.; *et al.* 2002. Landscape analysis of roosting habitat in Illinois. In: Kurta, A.; Kennedy, J., eds. *The Indiana Bat Biology and Management of an Endangered Species*. Austin, TX: Bat Conservation International.

Carter, Virginia. 1996. Wetland hydrology, waterquality, and associated functions. In: *National Water Summary--Wetland Resources*. U.S. Geological Survey Water-Supply Paper 2425. Washington, DC: U.S. Geological Survey. pp. 35-48.

Carver, A.D.; Yahner, J.E. 1997. Indiana land uses trends: A series of illustrative maps. Purdue University Cooperative Extension Service WEB AY-286. West Lafayette, IN: Purdue University. Available online at: <http://www.agry.purdue.edu/landuse/trends.htm>. Date accessed: November 18, 2004.

Caudill, Harry M. 1963. *Night comes to the Cumberland: a biography of a depressed area*. Boston: Little, Brown and Company.

Chapman, F.M. 1968. *The warblers of North America*. New York: Dover Publications. 307 p.

Clark, Allison. 2005. Effects of roads and off-road vehicles on reptile populations. *The Road RIPorter*. Summer solstice. 1 p.

Christensen, Norman L.; Carpenter, Stephen; D'Antonio, Carla; *et al.* 1995. The report of the Ecological Society of America Committee on the Scientific Basis for Ecosystem of the East Fork of the White River, Hoosier National Forest, Indiana, with notes on other freshwater mollusks and on amphibians and leeches. Final Report to U.S. Department of

Agriculture, U.S. Forest Service, Hoosier National Forest, Brownstown Ranger District, Bedford, Indiana. Portland, TX: Ecosearch Incorporated. 33 p.

Clawson, Richard L. 2000. Implementation of a recovery plan for the endangered Indiana bat. In: Vories, K.C.; Throgmorton, D., eds. Proceedings of bat conservation and mining: A technical interactive forum. Carbondale, IL: Southern Illinois University. U.S. Department of the Interior, Office of Surface Mining.

Clawson, R.L. 2002. Trends in population size and current status. In: Kurta, A.; Kennedy, J., ed. The Indiana bat: Biology and management of an endangered species. Austin, TX: Bat Conservation International.

Clebsch, E.E.C.; Busing, R.T. 1989. Secondary succession, gap dynamics, and community structure in a southern Appalachian cove forest. *Ecology*. 70:728-735.

Cleland, D.T.; Avers, P.E.; McNab, W.H.; *et al.* 1997. National hierarchical framework of ecological units. In: Ecosystem management: applications for sustainable forest and wildlife resources. Boyce, M.S.; Haney, A., ed. New Haven, CT and London: Yale University Press. pp. 181-200.

Cole, David. 2000. Dispersed recreation. In: Dissmeyer, G. E, ed. Drinking Water from Forests and Grasslands: a Synthesis of the Scientific Literature. Gen. Tech. Rep. SRS-39. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. pp. 81-84.

Collins, Clark. 1994. Design out conflict - Backcountry trail design and management. Unpublished paper. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Colorado DNR. 1998. Planning trails with wildlife in mind: a handbook for trail planners. Denver, CO: Parks Trails Program. Available online at <http://parks.state.co.us>. Last date accessed: October 28, 2004.

Committee of Scientists. 1999. Sustaining the people's lands: recommendations for stewardship of the national forests and grasslands into the next century. Washington DC: U.S. Department of Agriculture.

Cook, D.B. 1943. History of a beaver colony. *Journal of Mammalogy*. 24:12-46.

Cordell, Ken H. 1999. Outdoor recreation in American life: a national assessment of demand and supply trends. Champaign IL: Sagamore Publishing. 449 p.

Cordell, H.Ken; Overdevest, Christine. 2001. Footprints on the land. Champaign IL: Sagamore Publishing. 314 p.

Cox, G.W. 1993. Conservation ecology. Dubuque, Iowa: William C. Brown Publishers. 352 p.

Crawford, Charles G.; Lydy, Michael J.; Frey, Jeffrey W. 1996. Fishes of the White River Basin, Indiana. Indianapolis: U.S. Geological Survey Water-Resources Investigations Report 96-4232. 8 p.

- Crawford, H.S.; Hooper, R.G.; Titterington, R.W. 1981. Songbird population response to silvicultural practices in central Appalachian hardwoods. *Journal of Wildlife Management*. 45:680-692.
- Crooks, K.R.; Soule, M.E. 1999. Mesopredator release and avifaunal extinctions in a fragmented system. *Nature*. 400:563-566.
- Cummings, K.S. 2001. Unpublished spot-distribution maps for the freshwater mussels of Illinois and Indiana. Champaign, IL: Illinois Natural History Survey. [maps]
- Cummings, K.S.; Mayer, C.A. 1992. Field guide to the freshwater mussels of the Midwest. Illinois Natural History Survey Manual 5. 194 p.
- Cummings, K.S.; Mayer, C.A; Page, L.M. 1988. Survey of the freshwater mussels (Mollusca: Unionidae) of the Wabash River drainage, phase II: Upper and Middle Wabash River. Illinois Natural History Survey Technical Report 1988 (8).
- Cummings, Kevin S.; Mayer, Christine A.;Page, Lawrence .M. Page. 1992. Survey of the freshwater mussels of the Wabash River drainage. Technical Report 6, Final report prepared for Indiana Department of Natural Resources, Indianapolis, IN and Illinois Natural History Survey, Center for Biodiversity, Champaign, IL. 201 pp.
- Dahl, T.E. 1990. Wetland losses in the United States: 1780s to 1980s. Washington, D.C.: U.S. Department of the Interior, Fish and Wildlife Service.
- Dalke, P.D. 1947. The beaver in Missouri. *Missouri Conserv*. 8:1-3.
- DeBano, L.F.; Neary, D.G.; Ffolliott, P.F. 1998. Fire's effects on ecosystems. New York: John Wiley & Sons, Inc.
- DeGraaf, R.M. 1991. Breeding bird assemblages in managed northern hardwood forests in New England. In: Rodiek, J.E.; Bolen, E.G., ed. *Wildlife habitats in managed landscapes*. Washington DC: Island Press.
- DeGraaf, R.M.; Rudis, D.D. 1983. *Amphibians and reptiles of New England, habitats and natural history*. Amherst, MA:University of Massachusetts Press. 85 p.
- Denevan, W.M. 1992. The pristine myth: the landscape of the Americas in 1492. *Annals of the Association of American Geographers*. 82(3):369-385.
- DenUyl, D. 1947. Forest grazing in the central states region. *Proceedings, Society of American Foresters*. pp. 255-261.
- DenUyl, Daniel. 1954. Indiana's old growth forests. *Proceedings Indiana Academy of Science*. 63:73-79.
- DenUyl, D; Day, R.K. 1939. Woodland livestock carrying capacities and gazing injuries studies. Bulletin 391. West Lafayette, IN: Purdue University, Agriculture Experiment Station. 16 p.

- Dessecker, D. R.; McAuley, D.G. 2001. Importance of early successional habitat to ruffed grouse and American woodcock. *Wildlife Society Bulletin*. 29:456-465.
- Dickson, J.G. 2000. Fire and bird communities in the South. pp. 52-56. In: The role of fire in nongame wildlife management and community restoration: traditional uses and new directions, September 15, 2000. Nashville, Tennessee. Gen. Tech. Rep. NE-288. U.S. Department of Agriculture, Forest Service, Northeastern Research Station. 145 p.
- Dolan, Rebecca. 2002. Rare species literature summary report for *Polytaenia nuttallii*. Unpublished report to the Hoosier National Forest. 13 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].
- Doran, Patrick, J.; Whitehead, Donald R.; Winslow, Donald E. Within-landscape patterns of land cover and the nesting success of Neotropical migrant birds in south-central Indiana. No publishing information available. 26 p.
- Dorrance, M.J.; Jakimchuck, R.D.; Carruthers, E.R. 1975. Effects of snowmobiles on white-tailed deer. *Journal of Wildlife Management*. 39:563-569.
- Douglass, J.E.; Swank, W.T. 1975. Effects of management practices on water quality and quantity - Coweeta Hydrologic Laboratory, North Carolina. Upper Darby, PA: U.S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station. pp. 1-13.
- Duke, G. E. 1966. Reliability of censuses of singing male woodcock. *Journal of Wildlife Management*. 30:697-707.
- Dunn, J.L.; Garrett, K.L. 1997. A field guide to warblers of North America. Houghton Mifflin Company, Boston.
- Eckerle, K. P.; Thompson, C.F. 2001. Yellow-breasted chat (*Icteria virens*). In: Poole, A.; Gills, F., eds. The Birds of North America, No. 575. Philadelphia, PA: The Birds of North America, Inc.
- ECOMAP. 1993. National hierarchical framework of ecological units. Unpublished administrative paper. Washington, DC: U.S. Department of Agriculture, Forest Service. 20 p. [On file with: Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421.]
- Ellsworth, J.W.; McComb, B.C. 2003. Potential effects of passenger pigeon flocks on the structure and composition of presettlement forests of Eastern North America. *Conservation Biology*. 17:1548-1558.
- Engstrom, R. Todd. 2000. Fire and birds in the central hardwood landscape. In: Yaussy, Daniel A., comp. Proceedings: Workshop on fire, people, and the central hardwoods landscape. Gen. Tech. Rep.-NE-274. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northeastern Research Station. pp. 75-86.
- Environmental News Service. 2003. Roads open up paths for weed invasions. Sacramento, CA. Available online at: forests.org/articles/reader. Printed from website August 18, 2005.

Erwin, W.J.; Stasiak, R.H. 1979. Vertebrate mortality during the burning of reestablished prairie in Nebraska. *American Midland Naturalist*. 101:247-249.

Eschner, Arthur R.; Larmoyeux, Jack 1963. Logging and trout: four experimental forest practices and their effect on water quality. *The Progressive Fish-Culturist*. 25:59-67.

Evans, K.E.; Conner, R.N. 1979. Snag management. In: DeGraaf, R.M.; Evans, K.E., eds. *Management of north central and northeastern forests for nongame birds*. General Technical Report NC-51. Saint Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. Pp. 214-255. Available online at: http://www.ncrs.fs.fed.us/pubs/gtr/other/gtr_nc051/gtr_nc051q.pdf. Date accessed: August 18, 2005.

Ewert, M.A.; Barron, J.N.; Etchberger, C.R.; *et al.* 1992. Field survey of amphibians and reptiles on the Hoosier National Forest: first year report. Unpublished paper. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Ewing, R.; Merchant, P. 2000. An analysis of watershed integrity for the Hoosier National Forest. 68 p. [On file with Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Executive Order 11312 of February 3, 1999 – Invasive species. 1999. *Federal Register* Vol. 64, No. 25. Available online at <http://www.invasivespecies.gov/laws/exeorder.shtml>. Date accessed: August 8, 2004.

Faaborg, J.; Brittingham, M.; Donovan, T.; *et al.* 1995. Habitat fragmentation in the temperate zone. In: Martin, T.E.; Finch, D.M., eds. *Ecology and management of Neotropical migratory birds: a synthesis and review of critical issues*. New York: Oxford University Press. Pp. 357-380.

Faber-Langendoen, D. 2001. Plant communities of the Midwest classification in an ecological context. Arlington, VA: Association for Biodiversity Information. 61 p. + appendix.

Fan, Zhaofei; Shifley, Stephen R.; Spetich, Martin A. *et al.* 2005. Abundance and size distribution of cavity trees in second-growth and old-growth central hardwood forests. *Northern Journal of Applied Forestry*. 22(3):162-169.

Farmer, A.H.; Cade, B.S.; Stauffer, D.F. 2002. Evaluation of a habitat suitability index model. In: Kurta, A; Kennedy, J., eds. *The Indiana bat: Biology and management of an endangered species*. Austin, TX: Bat Conservation International.

Farrar, J.L. 1995. *Trees of the northern United States and Canada*. Ames, IA: Iowa State University Press. 502 p.

Faux, W. 1819. *Memorable days in America: being a journal of a tour in the United States*. Reprinted In: Thwaites, R.G., ed. 1905. *Early western travels 1748-1846*. Cleveland, OH: The Arthur H. Clark Company.

Featherstonhaugh, G.W. 1844. Excursion through the slave states from Washington on the Potomac to the frontier of Mexico--with sketches of popular manners and geological notices. New York: Harper and Brothers. Reprinted In: New York (1968) by Negro Universities Press, a division of Greenwood Publishing Corp. 168 p.

Federal Interagency Committee for Management of Noxious and Exotic Weeds (FICMNEW). 1998. Pulling together: A national strategy for management of invasive plants. Second edition. U.S. Government Printing Office. 22 p. Also available online at <http://ficomnew.fws.gov/>.

Finch, Deborah M. 1991. Population ecology, habitat requirements and conservation of Neotropical migratory birds. Gen. Tech. Rep. RM-205. Fort Collins, CO: U. S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station. 26 p.

Fischer, B. 2004. Personal communication. Email on file with: Tell City District Ranger, Hoosier National Forest, 248 15th Street, Tell City, IN 47586.

Fischer, Burnell C. 1980. Designing forest openings for the group selection method. Southern Silvicultural Research Conference, Atlanta, Georgia, November 6-7, 1980. 4 p.

Fischer, Burnell C. 1981. Designing forest openings for the group selection method. In: Barnett, James P., ed. First biennial southern silvicultural research conference. Gen. Tech. Rep. SO-34. New Orleans, LA: U. S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. pp. 274-277.

Fischer, Burnell C.; Pennington, Stephen G.; Tormoehlen, Barbara. 1993. Public involvement in Indiana forestry. *Journal of Forestry*. 91(7):28-31.

Fogg, George. 2002. Park guidelines for OHV's: a resource guide to assist in the planning, development, enhancement, and operation of OHV recreation facilities. National Off-Highway Vehicle Conservation Council. 195 p.

Ford, Bob; Carr, Sunni; Hunter, Chuck. *et al.* 2000. Partners in Flight bird conservation plan for the interior low plateaus. American Bird Conservancy. 55 p.

Ford, Thomas B.; Winslow, Donald E.; Whitehead, Donald R.; *et al.* 2001. Reproductive success of forest-dependent songbirds near an agricultural corridor in south-central Indiana. *The Auk*. 118(4):864-873.

Ford, W.M.; Menzel, M.A.; McGill, D.W.; *et al.* 1999. Effects of a community restoration fire on small mammals and herpetofauna in the southern Appalachians. *Forest Ecology and Management*. 114:233-243.

Ford, W. Mark; Russell, Kevin R.; Moorman, Christopher, E, eds. 2002. The role of fire in nongame wildlife management and community restoration: traditional uses and new directions, proceedings of a special workshop. Workshop: Nashville, TN, Sept. 15, 2000. Gen. Tech. Rep. Newtown Square, PA: U. S. Department of Agriculture, Forest Service, Northeastern Research Station. 145 p.

Fox, Alan. 2004. Economic analysis of the Hoosier NF area. Northwest Economic Associates. Prepared under contract with Hoosier National Forest. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Fralish, J.S. 1997. Community succession, diversity, and disturbance in the central hardwood forest. In: Schwartz, M.K., ed. Conservation in highly fragmented landscapes. New York, NY: Chapman and Hall. pp. 234-266.

Fralish, J.S.; Crooks, F.B.; Chambers, J.L.; *et al.* 1991. Comparison of presettlement, second-growth and old-growth forest on six site types in the Illinois Shawnee Hills. American Midland Naturalist. 125:294-309.

Fraser, J.D.; Frenzel, L.D.; Mathisen, J.E. 1985. The impact of human activities on breeding bald eagles in north-central Minnesota. Journal of Wildlife Management. 49:585-592.

Frost, C.C. 1998. Presettlement fire frequency regimes of the United States: a first approximation. In: Pruden, T.L.; Brennan, L.A., eds. Fire ecosystem management: shifting the paradigm from suppression to prescription. Proceedings of the 20th Tall Timbers Fire Ecology Conference. Tallahassee, Florida: Tall Timbers Research Station. pp. 70-81

Gaede, Diane. 1997. Types of off-highway activities and vehicles. Unpublished paper. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Gaines, W.L.; Harrod, R.J.; Lehmkuhl, J.F. 1999. Monitoring biodiversity: quantification and interpretation. Gen. Tech. Rep. PNW -443. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 27 p.

Gaines, William L.; Singleton, Peter H.; Ross, Roger C. 2003. Assessing the cumulative effects of linear recreation routes on wildlife habitats on the Okanogan and Wenatchee National Forests. Gen. Tech. Re. MW-GTR-586. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 79 p.

Gammon, J.R.; Gammon, C.W.; Tucker, D.E. 1990. Land use influence on fish communities in central Indiana streams. In: Proceedings 1990 Midwest pollution control biologists meeting. Chicago: U.S. Environmental Protection Agency Region V, Environmental Sciences Division. EPA 905/9-90-005: 111-120.

Ganey, J.L.; Block, W.M.; Boucher, P.F. 1996. Effects of fire on birds in montane forests and woodlands. In: Effects of fire on montane province ecosystems: a symposium proceedings. Gen. Tech. Rep. RM-289. Fort Collins, CO: U.S. Department of Agriculture Forest Service, Rocky Mountain Forest and Range Experiment Station. pp. 146-154.

Garber, J. W.; Graber, R.R.; Kirk, E.L. 1983. Illinois birds: wood warblers. Illinois Natural History Survey, Biological Notes. No. 118.

Gardner, J.E.; Garner, J.D.; Hofmann, J.E. 1991a. Summary of *Myotis sodalis* summer habitat studies in Illinois with recommendations for impact assessment. Special Report. Champaign, IL: Illinois Natural History Survey, Illinois Department of Conservation. 28 p.

Gardner, J.E.; Garner, J.D.; Hofmann, J.E. 1991b. Summer roost selection and roosting behavior of *Myotis sodalis* (Indiana bat) in Illinois. Final Report. Champaign, IL: Illinois Natural History Survey, Illinois Department of Conservation. 56 p.

Gardner, J.E.; Hofmann, J.E.; Garner, J.D. 1996. Summer distribution of the Federally endangered Indiana bat (*Myotis sodalis*) in Illinois. Transactions of the Illinois State Academy of Science. 89:187-196.

Gardner, Marilyn. 2005. For all who have never climbed a tree. Book review of: Louv, Richard. Last child in the woods: saving our children from nature-deficit disorder. Algonquin Books. 336 p.

Garner, J.D.; Gardner, J.E. 1992. Determination of summer distribution and habitat utilization of the Indiana bat (*Myotis sodalis*) in Illinois. Final report. Springfield, IL: Illinois Department of Conservation. 22 p.

Geisler, P.H.; Sauer, J.R. 1990. Topics in route regression analysis. Pages 54-57 in Sauer, J.R.; Droege, S.D., eds. Survey designs and statistical methods for estimation of avian population trends. USFWS Biological Report 90.

Gilbert, F. F.; Nancekivell, E.G. 1982. Food habits of mink (*Mustela vison*) and otter (*Lutra canadensis*) in northeastern Alberta. Canadian Journal of Zoology. 60:1282-1288.

Gill, A.M. 1998. An hierarchy of fire effects: impact of fire regimes on landscapes. In: Viegas, D.X., ed. Proceedings of the international conference on forest fire research and 14th conference on fire and forest meteorology. Coimbra, Portugal. Volume I, III. pp. 129-143.

Gilliam, F.S.; Turrill, N.L.; Adams, M.B. 1995. Herbaceous-layer and overstory species in clear-cut and mature central Appalachian hardwood forests. Ecological Applications. 5:947-955.

Gingrich, S.F. 1971. Management of young and intermediate stands of upland hardwoods. Res. Pap. NE-195. Upper Darby, PA: U.S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station. 26 p.

Golley, F.B.; Gentry, J.B.; Caldwell, L.D.; *et al.* 1965. Number and variety of small mammals on the AEC Savannah River Plant. Journal of Mammalogy. 46:1-18.

Gordon, Mark E.; Layzer, James B. 1989. Mussels (*Bivalva: Unionidae*) of the Cumberland River – review of life histories and ecological relationships. U.S. Fish and Wildlife Service Biological Report 89 (15). 99 p.

Grier, J.W.; Elder, J.B.; Gramlich, F.W.; *et al.* 1983. Northern states bald eagle recovery plan. Denver, CO: U.S. Fish and Wildlife Service. 76 p + appendices.

Grindal, S.D. 1996. Habitat use by bats in fragmented forests. pp. 260-272. In: Barclay, R.M.R.; Brigham, R.M., eds. Bats and Forests Symposium. Working Paper 23/1996, Victoria, BC: Canadian Research Branch, BC Ministry of Forests.

- Grubb, T.C. Jr.; Pravosudov, V.V. 1994. Tufted titmouse (*Parus bicolor*). In: Poole, A.; Gill, F., eds. The birds of North America, No. 86. Washington, DC: The Academy of Natural Sciences. Philadelphia: The American Ornithologists' Union.
- Gumbert, M.W.; O'Keefe, J.M.; MacGregor, J.R. 2002. Roost fidelity in Kentucky. In: Kurta, A.; Kennedy, J., eds. The Indiana bat: Biology and management of an endangered species. Austin, TX: Bat Conservation International.
- Gustafson, E.J.; Shifley, S.R.; Mladenof, D.J.; *et al.* 2000. Spatial simulation of forest succession and timber harvesting using LANDIS. Canadian Journal of Forest. Research. 30:32-43.
- Guyette, R.P.; Dey, D.C. 2000a. Humans, topography, and wildland fire: the ingredients for long term patterns in ecosystems. In: Workshop on fire people, and the central hardwoods landscape. Gen. Tech. Rep. NE-274. U. S. Department of Agriculture, Forest Service, Northeastern Research Station. pp. 28-35.
- Guyette, R.P.; Dey, D.C.; Stambaugh, M.C. 2003. Fire and human history of a barren-forest mosaic in southern Indiana. American Midland Naturalist. 149:21-34.
- Gysel, Leslie W. 1966. Ecology of a red pine plantation in Michigan. Ecology. 47:465-472.
- Hackett, Ronald, L.; Settle, Jeff. 1998. Indiana's timber industry - an assessment of timber product output and use, 1995. Res. Bull. NC-193. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experimental Station. 16 p.+ appendices.
- Hamann, Betsy; Johnston, Heather; Gobielle, John; *et al.* 1999. Birds In: Joslin, G.; Youmans, H, cords. Effects of recreation on Rocky Mountain wildlife: a review for Montana. Committee on Effects of Recreation on Wildlife, Montana Chapter of The Wildlife Society. 307 p.
- Hamel, Paul B.; Buckner, Edward R. 1998. How far could a squirrel travel in the treetops? A history of the Southern forest. In: Transcript—63rd North American Wildlife and Natural Resources Conference. pp 309-315.
- Hamel, P. B. 2000a. Cerulean warbler status assessment. Minneapolis, MN: U. S. Fish and Wildlife Service.
- Hamel, P. B. 2000b. Cerulean Warbler (*Dendroica cerulea*). In: Poole, A.; Gill, F., eds. The birds of North America, no. 511. Philadelphia, PA: The Birds of North America.
- Hannay, Leslie. 2000. Of roads and fire. The Road_RIPorter (Bibliography Notes). November/December:12-13.
- Hannary, Leslie. 2001. Effect of roads on arthropods. The Road-RIPorter (Bibliography Notes). July/August:10-11.

Hanners, L. A.; Patton, S.R.. 1998. Worm-eating warbler (*Helmitheros vermivorus*). In: Poole, A.; Gill, F., eds. The Birds of North America, No. 367. Philadelphia, PA: The Birds of North America, Inc.

Hansen, Andrew J.; Urban, Dean L. 1992. Avian response to landscape pattern: the role of species' life histories. *Landscape Ecology*. 7(3):163-180.

Harmon, Jeff L. 1998. Finalization of freshwater mussel (Bivalvia: Unionidae) survey of Indiana's East Fork White River Drainage. Final Report, Indiana Department of Natural Resources, Indiana Division of Fish and Wildlife. Indianapolis, IN. 166 p.

Harris, L. D. 1984. The fragmented forest: island biogeography theory and the preservation of biotic diversity. Chicago: University of Chicago Press.

Harris, L.D.; Silva-Lopez, G. 1992. Forest fragmentation and the conservation of biological diversity. pp. 197-237, In: Conservation Biology - the theory and practice of nature conservation, preservation, and management.

Harrison, C. 1978. A field guide to the nests, eggs and nestlings of North American birds. Cleveland, OH: Collins.

Harrison, R.E.; Murad, J.L. 1972. Effects of annual prescribed burning on nematode populations from a Louisiana pine forest. *Journal of Nematology*. :225-226.

Hart, J.A.; Kirkland, G.L.; Grossman, S.C. 1993. Relative abundance and habitat use by tree bats *Lasurus* spp. in south-central Pennsylvania. *Canadian Field Naturalist*. 107: 208-212.

Havlick, D.G. 2002. No place distance: roads and motorized recreation on America's public lands. Washington D.C: Island Press. 297 p.

Hayden, T. J.; Faaborg, J.; Clawson, R.L. 1985. Estimates of minimum area requirements for Missouri forest birds. *Transactions of the Missouri Academy of Science*. 19:11-27.

Hayes, J.P.; Adam, M.D. 996. The influence of logging riparian areas on habitat utilization by bats in western Oregon. pp. 228-237. In: Barclay, R.M.R.; Brigham, R.M., eds. Bats and Forests Symposium. Working Paper 23/1996. Victoria, BC: Canadian Research Branch, BC Ministry of Forests.

Hazlett, B., Rittschof, D.; Rebenstein, D. 1974. Behavioral biology of the crayfish *Orconectes virilis* I. home range. *The American Midland Naturalist*. 92(2):301-319.

Healy, W.M.; Brooks, R.T.; DeGraaf, R.M. 1989. Cavity trees in sawtimber-size oak stands in central Massachusetts. *Northern Journal of Applied Forestry*. 6:61-65.

Hedge, Cloyce. 2002. Inventory and control recommendations for invasive plant species on selected areas of the Hoosier National Forest. Indiana Department of Natural Resources, Division of Nature Preserves. Unpublished report. 12 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

- Hedge, Cloyce; Homoya, Mike. 2000. Surveys for invasive plant species on selected areas of the Hoosier National Forest (with recommended control measures). Indiana Department of Natural Resources, Division of Nature Preserves. Unpublished report. 20 p. + appendices. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].
- Hedge, C.; Homoya, M.; Scott, P. 2002. Endangered, threatened and rare plant species on the Hoosier National Forest. Challenge Cost Share project with USDA Forest Service and Indiana Department of Natural Resources, Division of Nature Preserves, Indianapolis. 145 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].
- He, H.S.; Mladenoff, D.J.; Crow, T.R. 1999. Object-oriented design of LANDIS, a spatially explicit and stochastic forest landscape model. *Ecological Modeling*. 119:1-19.
- He, H.S.; Mladenoff, D.J.; Nimerfro, K.K. *et al.* 2003. LANDIS, a spatially explicit and stochastic model of forest landscape disturbance, management, and succession – LANDIS 3.7 user's guide. Madison, WS: University of Wisconsin, Department of Forest Ecology and Management.
- Heinselman, M.L. 1981. Fire intensity and frequency as factors in the distribution and structure of northern ecosystems. In: Mooney, H.A., Bonnicksen, T.M.; Christensen, N.L. *et al.*, tech. coords. Fire regimes and ecosystem properties: proceedings of the conference, Honolulu, HI. Gen. Tech. Rep. WO-26. Washington D.C: U. S. Department of Agriculture, Forest Service. pp. 7-57.
- Hejl, S.J.; Hutto, R.L.; Preston, C.R.; *et al.* 1995. Effects of sivicultural treatments in the Rocky Mountains. Pp. 220-244 In: Martin, T.E.; Finch, D.M., eds. Ecology and management of Neotropical migratory birds. Oxford, United Kingdom: Oxford University Press.
- Helmund, Paul Cawood; MacDonald, Stuart; Easley, Tom; *et al.* 1998. Planning trails with wildlife in mind: a handbook for trailplanners. Trails and Wildlife Task Force, Colorado State Parks, Helmund Associates. 50 p.
- Helms, John A. 1998. The dictionary of forestry. Bethesda, MD: Society of American Foresters. 210 p.
- Herkert, J.R., ed. 1992. Endangered and threatened species of Illinois: Status and Distribution. Volume 2: Animals. Springfield, IL: Illinois Endangered Species Protection Board. 142 p.
- Herkert, J. R. 1994a. The effects of habitat fragmentation on midwestern grassland bird communities. *Ecological Applications*. 4:461-471.
- Herkert, J. R. 1994b. Status and habitat selection of the Henslow's Sparrow in Illinois. *Wilson Bulletin*. 106:35-45.
- Hetrick, N.J.; Brusven, M.A.; Meehan, W.R.; *et al.* 1998. Changes in solar input, water temperature, periphyton accumulation, and allocthonous input and storage after canopy

removal along two small salmon streams in southeastern Alaska. Transactions of the American Fisheries Society 127(6):859:875.

Hicks, Ray R. Jr.; Holt, Jeffrey. 1999. Comparison of ecological characteristics of three remnant old-growth woodlots in Belmont County, Ohio. In: Stringer, Jeffrey W.; Loftis, David., eds. Proceedings, 12th central hardwood forest conference; 1999 February 28-March 1-2; Lexington, KY. Gen. Tech. Rep. SRS-24. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 293 p.

Hill, J.E.; Smith, J.D. 1992. Bats--a natural history. Austin, TX: University of Texas Press. 243 p.

Hill, Steven. 2002. Conservation assessment for French's Shootingstar (*Dodecatheon frenchii*). Unpublished report to the USDA Forest Service Eastern Region, Shawnee and Hoosier National Forests. [On file with Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421]. 23 pp.

Hobbs, R.J. 1989. The nature and effects of disturbance relative to invasions. In: Drake, J.A.; Mooney, H.A.; di Castri, F. *et al.*, eds. Biological invasions: a global perspective. New York: John Wiley & Sons. pp. 389-405.

Holmes, R.T.; Schultz, J.C. 1988. Food availability for forest birds: effects of prey distribution and abundance on bird foraging. Canadian Journal of Zoology. 66:720-728.

Holsman, Robert H. 2004. Management opportunities and obligations for mitigating off-road vehicle impacts to wildlife and their habitats. No publishing information available. 20 p.

Homoya, M.A.; Abrell, D.B.; Aldrich, J.R; Post, T.R. 1984. The natural regions of Indiana. Indiana Academy of Science. Pub. 94:245-268.

Hoover, William L.. 2001. Indiana landscapes: a sense of place. Whitewater Valley Land Trust newsletter. Spring 2001. 1(1):1-3

Hornbeck, J. W.; Federer, C. A. 1975. Effects of management practices on water quality and quantity: Hubbard Brook Experimental Forest, New Hampshire. In: Municipal Watershed Management Symposium Proceedings. Gen. Tech. Rep. NE-13. U. S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station. pp. 58-65.

Horsley, Stephen B.; Stout, Susan L.; DeCalesta, David S. 2003. White-tailed deer impact on the vegetation dynamics of a northern hardwood forest. Ecological Applications. 13(1):98-118.

Hudgins, J. E.; Storm, G.L.; Wakeley, J.S. 1985. Local movements and diurnal-habitat selection by male American woodcock in Pennsylvania. Journal of Wildlife Management. 49:614-619.

Humes, M.L.; Hayes, J.P.; Collopy, M.W. 1999. Bat activity in thinned, unthinned, and old-growth forests in western Oregon. Journal of Wildlife Management. 63:553-561.

Humphrey, S.R.; Richter, A.R.; Cope, J.B. 1977. Summer habitat and ecology of the endangered Indiana bat *Myotis sodalis*. *Journal of Mammalogy*. 58:334–346.

Hunter, W.C.; Buehler, D.A.; Canterbury, R.A.; *et al.* 2001. Conservation of disturbance-dependent birds in eastern North America. *Wildlife Society Bulletin*. 29:440-455.

Hunt, R.J., Walker, J.F.; Krabbenhoft, D.B. 1999. Characterizing hydrology and the importance of groundwater discharge in natural and constructed wetlands. *Wetlands*. 19:458-472.

Hutchinson, Todd F.; Sutherland Elaine Kennedy; Yaussy, Daniel A.. 2005. Effects of repeated prescribed fires on the structure, composition, and regeneration of mixed-oak forests in Ohio. *Forest Ecology and Management*. 218:210-228.

Ibarra, M.; Zipperer, W.C. 2000. Concentrated recreation. In: Dissmeyer, G. E., ed. *Drinking water from forests and grasslands: a synthesis of the scientific literature*. Gen. Tech. Rep. SRS-39. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. pp. 74-80.

Ilhardt, B.L.; Verry, E.S.; Palik, B.J. 2000. Defining riparian areas. pp. 23-42 In: Verry, E.S; Hornbeck, J.W.; Dolloff, C.A., eds. *Riparian management in forests in the continental eastern United States*. New York: Lewis Publishers. 402 p.

Independent Multidisciplinary Science Team. 1999. Recovery of wild salmonids in western Oregon forests: Oregon Forest Practices Act rules and the measures in the Oregon Plan for Salmon and Watersheds. Technical Report 1991 to the Oregon Plan for Salmon and Watersheds. Salem, OR: Governor's Natural Resources Office.

Indiana Business Research Center. 2005. Indiana Township Census Counts 1890 to 2000. Available online at: http://www.stats.indiana.edu/population/PopTotals/historic_counts_twps.html. Date accessed: October 28, 2005.

Indiana Department of Environmental Management. 2004. Fish consumption advisory. Available online at: <http://fn.cfs.purdue.edu/anglingindiana/INFishConsumptionAdvisory04.PDF>. Date accessed: October 20, 2004.

Indiana Department of Environmental Management. 2002. 2002 303(d) list for Indiana. Available online at: [www.state.in.us/idem/water/planbr/wqs/tmdl/2002-303\(d\)list.pdf](http://www.state.in.us/idem/water/planbr/wqs/tmdl/2002-303(d)list.pdf). Date accessed: August 31, 2004.

IDNR – citations marked in the text as IDNR are listed here as Indiana Department of Natural Resources.

Indiana Department of Natural Resources (IDNR). 1992. Indiana handbook for erosion control in developing areas. Division of Soil Conservation publication. 103 p.

Indiana Department of Natural Resources (IDNR). 1995. Indiana subsection descriptions for the ecological units of the eastern United States. Document prepared under an

agreement with Indiana Department of Natural Resources – Division of Nature Preserves in 1995 to write descriptions of the subsections for Indiana as depicted on the map “Ecological Units of the Eastern United States” dated 1995. Bedford, IN: 51 p. Unpublished administrative paper. [On file with: Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421.]

Indiana Department of Natural Resources (IDNR) 1998a. Logging and forestry BMP’s for waterquality in Indiana: field guide. Division of Forestry. 85 p.

Indiana Department of Natural Resources (IDNR). 1998b. Indiana’s cultural resources management plan 1998-2003. Indianapolis: Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology. 46 p.

Indiana Department of Natural Resources (IDNR). 2000a. Indiana subsection descriptions for the ecological units of the eastern United States. Document prepared under an agreement with Indiana Department of Natural Resources, Division of Nature Preserves in 1995 to write descriptions of the subsections for Indiana as depicted on the map “Ecological Units of the Eastern United States,” dated 1995. Bedford, IN: U.S. Department of Agriculture, Forest Service, Hoosier National Forest. 51 p. Unpublished administrative paper. [On file with: Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421.]

Indiana Department of Natural Resources (IDNR). 2000b. Statewide comprehensive outdoor recreation plan 2000-2004. Indianapolis: Division of Outdoor Recreation. 212 p.

Indiana Department of Natural Resources (IDNR). 2002. Historic Indiana: Indiana properties listed in the National Register of Historic Places 2003-2004. Indianapolis: Indiana Department of Natural Resources Division of Historic Preservation and Archaeology. 76 p.

Indiana Department of Natural Resources (IDNR). 2004. Division of Outdoor Recreation. Available online at <http://www.in.gov/dnr/outdoor/ohv>. Last date accessed: August 18, 2004.

Indiana Depth Profile. 2002. Available online at: <http://www.stats.indian.edu/profiles/pr18000.html>. Date accessed: December 7, 2004.

Indiana Division of Fish & Wildlife. 2002. Fescue eradication: habitat management fact sheet.

Indiana Forest Products, Indiana Agriculture Resource Council. 2003. Indianapolis. Available online at: <http://www.indag.org/tree.html>. Date accessed: December 1, 2003.

Indiana Heritage Trust. 2004. A living legacy: Indiana Heritage Trust strategic plan. Indianapolis. 42 p.

Indiana Public Lands Coalition. 2000. Draft conservationist’s alternative to the Hoosier National Forest Land and Management Plan. September 28, 2000. 18 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Invasive Plant Species Assessment Working Group (IPSAWG). 2004. Information available online at <http://www.in.gov/dnr/invasivespecies/>.

Jackson, C. Rhett; Sturm, Christopher A.; Ward, Jason M. 2001. Timber harvest impacts on small headwater stream channels in the coast ranges of Washington. *Journal of the American Water Resources Association*. 37(6):1533-1549.

Jacobs, Douglass F.; Selig, Marcus F. 2005. Oak regeneration: even and uneven age systems. No publishing information available.

Jacobs, Robert T. 1997. Letter dated August 13 to Forest Supervisors, Roadless area inventory for Forest Plan Revision. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

James, Nathaniel. 2001. Understanding sense of place Available online at http://envstudies.brown.edu/Thesis/2001/james/senseof_place.html. Date accessed: October 28, 2005.

Jensen, Dana. 1998. So why didn't the toad cross the road? *Rod Rip Reporter*. Vol 3 and 5.

Jensen, M.E.; Bourgeron, P.S., tech. eds. 1994. Volume II: Ecosystem management: principles and applications. Gen. Tech. Rep. PNW-318. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 376 p. (Everett, Richard L., assessment team leader; Eastside forest ecosystem health assessment).

Johnson, M. 1999. The effect of local habitat variability on the growth, reproduction, and morphology of *Matelea obliqua* (Jacq.) Woodson. Carbondale, IL: Southern Illinois University, Masters thesis.

Johnsgard, Paul A. 1973. Grouse and quail of North America. Lincoln, NE: University of Nebraska.

Johnson P. A. 2002. Incorporating road crossings into stream and river restoration projects. *Ecological Restoration*. 20(4): 270-277.

Johnson, Paul S. 1992. Perspectives on the ecology and silviculture of oak-dominated forests in the central and eastern states. Gen. Tech. Rep. NC-153. St. Paul, MN: U. S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 28 p.

Johnson, Paul S.; Shifley, Stephen R.; Roberts, Robert. 2002. The ecology and silviculture of oaks. New York: CABI Publishing.

Johnson, S. A.; Berkley, K.A.. 1999. Construction of a natal den by an introduced river otter (*Lutra canadensis*) in Indiana. *Canadian Field Naturalist*. 113:301-304.

Jones, J. Knox; Armstrong, David M.; Choate, Jerry R. 1985. *Myotis sodalis*, social myotis. Guide to mammals of the Plains States. Lincoln, NE: University of Nebraska Press.

- Jones, K.E.; Purvis, A.; Gittleman, J.L. 2003. Biological correlates of extinction risk in bats. *American Naturalist*. 161:601-614.
- Jones, William K.; Hobbs, Horton H.; Wicks, Carol M.; *et al.* 2003. Recommendations and guidelines for managing caves on protected lands. Special Publication 8. Karst Waters Institute, Inc. (West Virginia). 95 p.
- Kahl, R. B.; Baskett, T.S.; Ellis, J.A.; *et al.* 1985. Characteristics of summer habitats of selected nongame birds in Missouri. Columbia, MO: University of Missouri-Columbia, Agricultural Experiment Station, Research Bulletin. 1056:68-71.
- Karr, J.R., Tooth, L.A.; Dudley, D.R. 1985. Fish communities of Midwestern rivers - a history of degradation. *BioScience*. 35 (2):90-95.
- Keith, J.H. 1988. Distribution of the northern cavefish, *Amblyopsis spelaea*, in Indiana and Kentucky, and recommendations for protection. *Natural Areas Journal*. 8:69-79.
- Keppie, D. M.; Whiting, R.M. 1994. American woodcock (*Scolopax minor*). In: A. Poole, A.; Gill, F., eds. *The Birds of North America*, No. 367. Philadelphia, PA: The Birds of North America, Inc. Number 100.
- Keyser, Amber J.; Hill, Geoffrey E.; Soehren, Eric C. 1998. Effects of forest fragment size, nest density, and proximity to edge on the risk of predation to ground-nesting passerine birds *Conservation Biology*. 12(5):986-994.
- Kilgo, John C.; Miller, Karl V. 1999. Effects of group-selection timber harvest in bottomland hardwoods on fall migrant birds. *Journal of Field Ornithology*. 70(3):404-413.
- Kilpatrick, E.S.; Kubacz, D.B.; Guynn, D.C. Jr.; *et al.* 2004. The effects of prescribed burning and thinning on herpetofauna and small mammals in the upper piedmont of South Carolina: preliminary results of the national fire and fire surrogate study. In: Connor, Kristina F., ed. *Proceedings of the 12th biennial southern silvicultural research conference*. Gen. Tech. Rep. SRS-71. Asheville, NC: USDA, Forest Service, Southern Research Station. pp. 18-22.
- Kimmerer, R.; Lake, F. 2001. The role of indigenous burning in land management. *Journal of Forestry*. 99(11):36-41.
- King, A. 2004. Personal e-mail communication to Clark D. McCreedy, regarding the status of the rough pigtoe mussel in the East Fork White River, dated 21/14/2004 on file in the office of the Tell City Ranger District of the Hoosier National Forest.
- Kirkpatrick, R.L. 1990. Value of acorns for ruffed grouse and wild turkeys In: McGee, C.E., ed. *Proceedings of the workshop: southern Appalachian mast management; 1989 August 14-16; Knoxville, TN*. U.S. Department of Agriculture, Forest Service, Southern Region, Cherokee National Forest. pp. 15-17.
- Kline, Jeffrey D.; Alig, Ralph J.; Garber-Yonts, Brian. 2004. Forestland social values and open space preservation. *Journal of Forestry*. 102(8):39-45.

Kochenderfer, J. N.; Aubertin, G. M. 1975. Effects of management practices on water quality and quantity: Fernow Experimental Forest. In: Municipal watershed management symposium proceedings. Gen. Tech. Rep. NC-13. St. Paul, MN: U. S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. pp. 14-24.

Kochenderfer, J.N.; Helvey, J.D. 1987. Using gravel to reduce soil losses from minimum-standard forest roads. *Journal of Soil and Water Conservation*. 42(1):46-50.

Kochenderfer, J.N.; Helvey, J.D.; Wendel, G.W. 1987. Sediment yield as a function of land use in central Appalachian forests. In: Proceedings, Central Hardwood Conference VI. Knoxville, TN. pp. 497-501.

Kochenderfer, James N.; Hornbeck, James W. 1999. Contrasting timber harvesting operations illustrate the value of BMPs. In: Stringer, Jeffrey W.; Loftis, David L., eds. Proceedings, 12th central hardwood forest conference; 1999 February 28-March 1-2; Lexington, K. Gen Tech. Rep. SRS-24. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. pp. 128-136.

Kohler, Steven L.; Soluk, Daniel A. 1997. Effects of sedimentation on stream communities. INHS Reports. May-June. 4 p.

Kraft, Lidia Szabo; Crow, Thomas R.; Buckley, David S. *et al.* 2004. Effects of harvesting and deer browsing on attributes of understory plants in northern hardwood forests, Upper Michigan, USA. *Forest Ecology and Management*. 199:219-230.

Kurta, A. 1995. Mammals of the Great Lakes region. Ann Arbor, MI: University of Michigan Press.

Kurta, A.; King, D.; Teramino, J.A. *et al.* 1993. Summer roosts of the endangered Indiana bat (*Myotis sodalis*) on the northern edge of its range. *American Midland Naturalist*. 129:132-138.

Kurta, A.; Murray, S.W. 2002. Philopatry and migration of banded Indiana bats (*Myotis sodalis*) and effects of using radio transmitters. *Journal of Mammalogy*. 83: 585-589.

Kurta, A.; Murray, S.W.; Miller, D.H. 2002. Roost selection and movements across the summer landscape. In: Kurta, A.; Kennedy, J., eds. The Indiana bat: Biology and management of an endangered species. Austin, TX: Bat Conservation International.

Kurta, A.; Whitaker, Jr., J.O. 1998. Diet of the endangered Indiana bat (*Myotis sodalis*) on the northern edge of its range. *American Midland Naturalist*. 140:280-286.

Kurta, A.; Williams, K.J.; Mies, R. 1996. Ecological, behavioral, and thermal observations of a peripheral population of Indiana bats (*Myotis sodalis*). In: Barclay, R.M.R.; Brigham, R.M., eds. Bats and Forests Symposium. Victoria, British Columbia, Canada: Research Branch, Ministry of Forests, Province of British Columbia.

Kurzejeski, E.W. 1990. Squirrel populations and oak mast. In: McGee, C.E., ed. Proceedings of the workshop: Southern Appalachian mast management; 1989 August 14-16. Knoxville, TN: U.S. Department of Agriculture, Forest Service, Southern Region, Cherokee National Forest. pp. 12-14.

- Kutilek, M.; Shellhammer, H.; Bros, W. 1991 Inventory, wildlife habitat protection program and monitoring program for Ocotillo Wells State Vehicular Recreation Area, California. Unpublished Paper. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].
- Lacey, C.A.; Lacey, J.R.; Fay, P.K. *et al.* 1986. Controlling knapweed on Montana rangeland. Montana State University Extension Service Circular 311.
- Ladd, D. 1991. Reexamination of the role of fire in Missouri oak woodlands. pp. 67-80 In: Proceeding Oak Woods Management Workshop.
- Lang, J.D.; Powell, L.A.; Krementz, D.G., *et al.* 2002. Wood thrush movements and habitat use: effects of forest management for red-cockaded woodpeckers. *Auk*. 119:109-124.
- Larkin, Ronald P. 1995. Human noise and wildlife. Illinois Natural History Survey Notes. 331:1.
- Larson, Michael A.; Dijak, William D.; Thompson, Frank R. III; *et al.* 2003. Landscape-level habitat suitability models for twelve species in southern Missouri. Gen. Tech. Rep. NC-233. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 51. p.
- Laughlin, S. B.; Kibbe, D.R., eds. 1985. The atlas of the breeding birds of Vermont. Hanover, NH: University Press of New England. 456 p.
- LaVal, R.K.; Clawson, R.L.; LaVal, M.L.; *et al.* 1977. Foraging behavior and nocturnal activity patterns of Missouri bats, with emphasis on the endangered species *Myotis grisescens* and *Myotis sodalis*. *Journal of Mammalogy*. 58:592-599.
- LaVal, R.K.; LaVal, M.L. 1980. Ecological studies and management of Missouri bats with emphasis on cave-dwelling species. In: Missouri Department of Conservation Series. 8:1-53.
- Lawson, E. R.; Settergren, C.D. 1989. Management practices and water quality In: Clark, B.F.; Hutchinson, J.G., eds. Central hardwood notes. St Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. pp. 11.02-1-11.02-4.
- Leatherberry, E.C. 2003. The forest resources of the Hoosier National Forest, 1998. Res. Bull. NC-210. St. Paul, MN: US Department of Agriculture, Forest Service, North Central Research Station. 54 p.
- Lenat, D.R.; Penrose, D.L.; Eagleson, K.W. 1979. Biological evaluation of non-point source pollutants in North Carolina streams and rivers. Raleigh, NC: North Carolina Department of Natural Resources and Community Development, Biological Series 102.
- Lent, R.A.; Capen, D.E. 1995. Effects of small-scale habitat disturbance on the ecology of breeding birds in a Vermont (USA) hardwood forest. *Ecography*. 18:97-108.

- Leopold, Luna B.; Wolman, M.Gordon; Miller, John P. 1964. Fluvial processes in geomorphology. San Francisco, CA: W.H. Freeman and Company. 522 p.
- Lewis, J.J. 1994. Lost River cave and karst biological survey. U.S. Army Corps of Engineers, Louisville District. 63 p.
- Lewis, J.J. 1998. Subterranean fauna of the Blue River area. Final report to The Nature Conservancy. 267 p.
- Lewis, J.J.; Burns, R.; Rafail, S.T. 2002. The subterranean fauna of the Hoosier National Forest. Final Report, USDA Hoosier National Forest, Bedford, Indiana. 114 p.
- Lewis, Julian J.; Burns, Ronnie; Rafail, Salisa T. 2003. The subterranean fauna of the Hoosier National Forest. Final Report, USDA Hoosier National Forest, Bedford, Indiana. 168 p.
- Leung, Y.; Marion, J.L. 1996. Trail degradation as influenced by environmental factors: a state-of-the-knowledge review. *Journal of Soil and Water Conservation*. 51(2): 130-136.
- Lindsey, Alton A. 1966. Natural features of Indiana:1816-1966 Indiana sesquicentennial volume. Indianapolis: Indiana Academy of Science. 600 p.
- Lizotte, R. E.; Kennedy, M.L. 1997. Demography and food habits of the river otter (*Lutra canadensis*) in western Tennessee. *Journal of the Tennessee Academy of Science*. 72(3-4):56-62.
- Lodge, D.M.; Taylor, C.A.; Holdich, D.M.; *et al.* 2000a. Nonindigenous crayfishes threaten North American freshwater biodiversity: lessons from Europe. *Fisheries*. 25(8):7-20.
- Lorimer, C.G. 1985. The role of fire in perpetuation of oak forests. In: Johnson, J.E., ed., *Challenges in oak management and utilization*. Madison, WI: University of Wisconsin, Cooperative Extension Service.
- Lorimer, C.G. 2001. Historical and ecological roles of disturbance in eastern North American forests: 9000 years of change. *Wildlife Society Bulletin*. 29:425-439.
- Lull, H. W.; Reinhart, K. G. 1972. Forests and floods in the eastern United States. Res. Pap. NE-226. Upper Darby, PA: U. S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station.
- Lynch, J. M. 1981. Status of the cerulean warbler in the Roanoke River basin of North Carolina. *Chat*. 45:29-45.
- Lynch, James A.; Corbett, Edward S.; Mussallem, Keith. 1985. Best management practices for controlling non-point source pollution on forested watersheds. *Journal of Soil and Water Conservation*. Jan-Feb:164-167.
- Lyon J. L.; Crawford, H.S.; Czuhai, E.; *et al.* 1978. Effects of fire on fauna. Gen. Tech. Rep. WO-6. Washington, D.C.: U. S. Department of Agriculture, Forest Service.

- McAuley, Daniel; Clugston, David A. 1998. American woodcock. Pages 193-197, In: Mac, M.J.; Opler, P.A.; Puckett, H., eds. Status and trends of the nation's biological resources. Volume 1. Reston, VA: United States Department of Interior Geological Survey.
- McCord, S. 1970. Travel accounts of Indiana 1679-1961. Indiana Historical Collections Volume XLVII. Indiana Historical Bureau. Bloomington, IN: Bloomington Press. 331 p.
- McCracken, J. D. 1991. Status report on the Louisiana waterthrush *Seiurus motacilla* in Canada. Committee on the Status of Endangered Wildlife in Canada (COSEWIC). 22 p.
- McCreedy, Clark D. 2005. Review of environmental assessment- forest openings maintenance. Hoosier National Forest. 7 p.
- McCreedy, Clark D.; Basile, Cynthia M. 2004. Early successional forest management proposal. Hoosier National Forest. 15 p.
- McCreedy, Clark D.; Basile, Cynthia M. 2005. Recommendations for continued implementation of the 1999 environmental assessment – forest openings maintenance. Hoosier National Forest. 1 p.
- McCreedy, C.D.; Reynolds, K.A.; Basile, C.M.; *et al.* 2004. Terrestrial animal species in the Hoosier-Shawnee ecological assessment area. pp. 172-221. In: Thompson, F.R. III, ed. The Hoosier-Shawnee Ecological Assessment. Gen. Tech. Rep. NC-244. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 267 p.
- McDonald, J. E.; Jr.; Storm, G. L.; Palmer, W. L. 1998. Home range and habitat use of male ruffed grouse in managed mixed oak and aspen forests. Forest Ecology and Management. 109:271-278.
- McGuinness, Barbara. 1997. Deer carrying capacity: too few, too many and for whom? Allegheny National Forest Resource Column. Warren, PA: U.S. Department of Agriculture, Forest Service.
- McNab, W. Henry; Avers, Peter E., comps. 1994. Ecological subregions of the United States: section descriptions. Administrative Publications WO-WSA-5. Washington, DC: U.S. Department of Agriculture, Forest Service. 267 p.
- Malott, Clyde A. 1922. The physiography of Indiana, Pages 59-256 In: Handbook of Indiana Geology. Indiana Department of Conservation Publication 21.
- Malott, Clyde A. 1931. Lost River at Wesley Chapel Gulf. Indiana Karst Conservancy Special Publication #6. 47 p.
- Marquis, Robert J.; Whelan, Christopher J. 1994. Insectivorous birds increase growth of white oak through consumption of leaf-chewing insects. Ecology. 75(7):2007-2014.
- Martin, Andrew V.; Waters, Nikki A. 2000. Rockshelter survey and testing in the proposed Branchville Archaeological District, Hoosier National Forest, Perry County,

Indiana. Muncie, IN: Ball State University. Archaeological Resources Management Service, Reports of Investigation 56.

Martin, C. Wayne; Hornbeck, James W.; Likens, Gene E.; *et al.* 2000. Impacts of intensive harvesting on hydrology and nutrient dynamics of northern hardwood forests. *Canadian Journal of Fisheries and Aquatic Science*. 57 (Suppl. 2):19-29.

Marshall, M.R.; DeCecco, J.A.; Williams, A.B. 2003. Use of regenerating clearcuts by late-successional bird species and their young during the post-fledging period. *Forest Ecology and Management*. 183:127-135.

Maser, Chris; Trappe, James M., tech eds. 1984. The seen and unseen world of the fallen tree. Gen. Tech. Rep. PNW-264. Portland, OR: U. S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station.

Matter, W.J.; Ney, J.J. 1981. The impact of surface mine reclamation on headwater streams in southwest Virginia. *Hydrobiologia: the international journal on limnology and marine sciences* 78:63-71.

Maxell, Bryce; Hokit, Grant. 1999. Amphibians and reptiles. In: Joslin, G.; Youmans, H., cords. Effects of recreation on Rocky Mountain wildlife: a review for Montana. Committee on Effects of Recreation on Wildlife, Montana Chapter of The Wildlife Society. pp 2.1-2.29.

Maxwell, J.R.; Edwards, C.J.; Jensen, M.E.; *et al.* 1995. A hierarchical framework of aquatic ecological units in North America (Nearctic zone). Gen. Tech. Rep. NC-176. St Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 72 p.

Mayfield, H. F. 1965. The brown-headed cowbird with old and new hosts. *Living Bird*. 4:13-28.

Meade, Leslie. 2004. Buzzard Roost bat survey 2004: Tell City Ranger District, Hoosier National Forest. Lexington, KY: ThirdRock Consultants.

Melquist, W.; Dronkert, A.E. 1987. River Otter. Pages 627-641 In: Novak, M.; Baker, J.A.; Obbard, M.E.; *et al.* eds. Wild furbearer management and conservation in North America. Ontario, Canada: Ontario Ministry of Natural Resources.

Menzel, Michael A.; Carter, Timothy C.; Menzel, Jennifer M.; *et al.* 2002. Effects of group selection silviculture in bottomland hardwoods on the spatial activity patterns of bats. *Forest Ecology and Management*. 162: 209-218.

Merchant, Patrick; Cleland, David; Hart, James B. 1988. Draft proposal Hoosier National Forest ECS development. 26 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Meyer, E.R. 1974. Unionid mussels of the Wabash, White, and East Fork White rivers, Indiana. *Virginia Journal of Science* 25:20-25.

Miles, P.D. 2004. Forest inventory mapmaker web application version 1.7. St. Paul, MN: USDA, Forest Service, North Central Research Station. Available online at: <http://www.ncrs2.fs.fed.us>. Date accessed: December 2, 2004.

Miller, D.A. 2003. Species diversity, reproduction, and sex ratios of bats in managed pine forest landscapes of Mississippi. *Southeastern Naturalist*. 2:59-72.

Miller, E.L.; Beasley, R.S.; Lawson, E.R. 1988. Forest harvest and site preparation effects on erosion and sediment in the Ouachita Mountains. *Journal of Environmental Quality*. 17(2): 219-225.

Miller, N.E.; Drobney, R.D.; Clawson, R.L.; *et al.* 2002. Summer habitat in northern Missouri. pp. 165-171. In : Kurta, K.; Kennedy, J., ed. *The Indiana bat: Biology and management of an endangered species*. Austin, TX: Bat Conservation International.

Miller, R.B. 1920. Fire prevention in Illinois. For. Circ. S. Springfield, IL: Illinois Natural History Survey. 13 p.

Mills, Jr., W.L.; Fischer, B.C.; Reisinger, T.W. 1987. Upland hardwood silviculture, a review of the literature. Station Bulletin No. 27. West Lafayette, IN: Purdue University, Agricultural Experimental Station, Department of Forestry and Natural Resources. 29 p.

Minckler, Leon S. 1972. Hardwood silviculture for modern needs. *Journal of Forestry*. 70(1):10-17.

Minckler, Leon S. 1978. Flexible silviculture: help for environmental forestry. *National Parks & Conservation Magazine, The Environmental Journal*. November: pp. 21-25.

Minckler, Leon S. 1989. Intensive group selection silviculture in central hardwoods after 40 years. In: Rink, G.; Budelsky, C.A., eds. *Proceedings of the seventh central hardwood forest conference*. Gen. Tech. Rep. NC-132. St. Paul, MN: U. S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. pp. 35-39.

Minshall, G. W.; Robinson, C.T.; Lawrence, D.E. 1997. Postfire responses of lotic ecosystems in Yellowstone National Park, U.S.A. *Canadian Journal of Fisheries and Aquatic Sciences*. 54:2509-2525.

Minton, S.A. 1972. Amphibians and reptiles of Indiana. *Indiana Academy of Science. Monograph 3*. 346 p.

Mitsch, William J.; Gosselink, James G. 1993. *Wetlands*, 2nd ed. New York: John Wiley and Sons. 722 p.

Morse, Solon F.; Robinson, Scott K. 1999. Nesting success of a Neotropical migrant in a multiple-use, forested landscape. *Conservation Biology*. 3(2):327-337.

Moss, Robert G. 1995. Pate Hollow water quality study, Hoosier National Forest. [On file with Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421.] 35 p.

Mumford, R. E.; Whitaker, J.O., Jr. 1982. *Mammals of Indiana*. Bloomington, IN: Indiana University Press.

- Mumford, Russell E.; Keller, Charles E. 1984. The birds of Indiana. Bloomington, Indiana: Indiana University Press. 376 p.
- Murray, S.W.; Kurta, A. 2002. Spatial and temporal variation in diet. In: Kurta, A.; Kennedy, J., eds. The Indiana bat: Biology and management of an endangered species. Austin, TX: Bat Conservation International.
- Murray, S.W.; Kurta, A. 2004. Nocturnal activity of the endangered Indiana bat (*Myotis sodalis*). Journal of Zoology. 262:197-206.
- Mushinsky, H.R. 1985. Fire and the Florida sandhill herpetofaunal community: with special attention to responses of *Cnemidophorus sexlineatus*. Herpetologica. 41:333-342.
- Naiman, R.J.; Decamps, Henri. 1997. The ecology of interfaces: riparian zones. Annual Review of Ecology and Systematics. 28:621-658.
- National Commission on Science for Sustainable Forestry. 2005. Science, biodiversity, and sustainable forestry: a findings report of the National Commission on Science for Sustainable Forestry. Washington, DC. 127 p.
- National Invasive Species Council (NISC). 2001. Meeting the invasive species challenge: National invasive species management plan. 80 p. + appendices. Also available online at <http://www.invasivespecies.gov/council/nmp.shtml>.
- NatureServe: An online encyclopedia of life [web application]. 2001b. (*Lantra canadensis*). Version 1.6. Arlington, Virginia, USA: NatureServe. Available online at: <http://www.natureserve.org>. Date accessed: January 30, 2002.
- NatureServe: An online encyclopedia of life [web application]. 2001c. Dodecatheon frenchii. Available online at: <http://www.natureserve.org>. Retrieved October 21, 2001.
- NatureServe: An online encyclopedia of life [web application]. 2004. Louisiana Waterthrush. Available online at: <http://www.natureserve.org>. Date accessed: September 1, 2004.
- NatureServe. 2005. Comprehensive report species – *Myotis grisescens*. Available online at: www.natureserve.org/explorer/servlet/NatureServe?searchName=Myotis+grisescens. Date accessed: September 26, 2005.
- Newbold, J.D.; Erman, D.C.; Roby, K.B. 1980. Effects of logging on macroinvertebrates in streams with and without buffer strips. Canadian Journal of Fisheries and Aquatic Sciences. 37: 1076-1085.
- Newbrey, Michael G., Bozek, Michael A.; Edwards, Clayton J. 2001. Effects of stream barriers as impediments to warmwater fish movement with an emphasis on culverts and siltation, an annotated bibliography. Grand Rapids, MN: U.S. Forest Service, North Central Research Station.

- Newcombe, C.P.; Jensen, J.O.T. 1996. Channel suspended sediment and fisheries: a synthesis for quantitative assessment of risk and impact. *North American Journal of Fisheries Management* 16:693-727.
- Niemi, Ernie; Whitelaw, Ed. 1997. Assessing economic tradeoffs in forest management. Gen. Tech. Rep. PNW-403. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 78 p.
- Nigh, Timothy A.; Pflieger, William; Redfearn, Paul; *et al.* 1991 (draft). The biodiversity of Missouri: definition, status and recommendations for its conservation. Jefferson City, MO: Missouri Department of Conservation. 64 p.
- Noon, Barry R.; Murphy, Dennis D.; Beissinger, Steven R.; *et al.* 2003. Conservation planning for US national forests: conducting comprehensive biodiversity assessments. *BioScience*. 53(12):1217-1220.
- Noss, R. F. 1991. Effects of edge and internal patchiness on avian habitat use in an old-growth Florida hammock. *Natural Areas Journal*. 11:34-47.
- Noss, R.F.; E.T. LaRoe III; Scott, J.M. 1995. Endangered ecosystems of the United States: a preliminary assessment of loss and degradation. United States Department of the Interior National Biological Service Biological Report 28, Washington, D.C..
- Noss, Reed F. 1983. A regional landscape approach to maintain diversity. *Bioscience* 33(11):700-706.
- Nott, M.P.; Rogers, P.E.; Pimm, S. 1995. Modern extinctions in the kilo-death range. *Current Biology*. 5:14-17.
- Nowacki, G.J.; Carr, R.A. [In Press]. Altered disturbance regimes: the demise of fire in the eastern United States. In: *Proceedings of the Eastfire Conference 2005*; Fairfax, VA.
- Oesch, Ronald D. 1995. Missouri naiads: A guide to the mussels of Missouri. Jefferson City, MO: Missouri Department of Conservation. 271 p.
- Oliver, C.D.; Larson, B.C. 1996. *Forest stand dynamics*. New York: John Wiley and Sons.
- Olson, S. 1999. RFSS risk evaluation for *Polytaenia nuttallii*. Regional Forester Sensitive Species List Update. 13 p.
- Olson, S.; Heikens, A; Bess, J. 2002. A conservation assessment for the barrens and glades communities on the Hoosier, Shawnee, and Mark Twain National Forests. Hoosier National Forest, Tell City, IN. 112 p. [On file with Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].
- Olson, S.D. 1996. The historical occurrence of fire in the central hardwoods, with emphasis on southcentral Indiana. *Natural Areas Journal*. 16: 248-256.
- Openlands Team. 1995. Habitat fragmentation – Southern Tier National Forests (white paper). U.S. Department of Agriculture, Forest Service. 11 p.

O'Shea, T.J.; Clark, Jr., D.R. 2002. An overview of contaminants in bats, with special reference to insecticides and the Indiana bat. pp. 237-253. In: The Indiana bat: Biology and management of an endangered species. Kurta, A.; Kennedy, J., eds. Austin, TX: Bat Conservation International.

Overcash, Jesse I.; Roseberry, John L.; Klimstra, W.D. 1989. Wildlife openings in the Shawnee National Forest and their contribution to habitat change. Transactions of the Illinois Academy of Science. 82(3 and 4):137-142.

Owen, S.F.; Menzel, M.A.; Edwards, J. W. 2004. Bat activity in harvested and intact forest stands in the Allegheny Mountains. Northern Journal of Applied Forestry. 21:154-159.

Owen, S.F.; Menzel, M.A.; Ford, W.M.; *et al.* 2003. Home range size and habitat used by the northern myotis (*Myotis septentrionalis*). American Midland Naturalist. 150: 352-359.

Pagac, Gerald. 2004. Personal conversation between Les Wadzinski, Recreation Program Manager, and Gerald Pagac, Indiana State Parks Director, on April 12, 2004. [On file with: Les Wadzinski, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Page, Lawrence M. 1983. Handbook of darters. Neptune City, NJ: TFH Publications, Inc. Ltd. 271 p.

Page, Lawrence M. 1985. The crayfishes and shrimps (Decapoda) of Illinois. Illinois Natural History Survey Bulletin. 33(4):35-448.

Page, Lawrence M.; Mottes, Gabriela B. 1995. The distribution and status of the Indiana crayfish, *Orconectes indianensis*, with comments on the crayfishes of Indiana. Proceedings of the Indiana Academy of Science. 104:103-111.

Pagen, R.W.; Thompson, F.R.; Burhans, D.E. 2000. Breeding and post-breeding habitat use by forest migrant songbirds in the Missouri Ozarks. Condor. 102:738-747.

Panno, S.V.; Krapac, I.G.; Weibel, C.P. 1996. Groundwater contamination in karst terrain of southwestern Illinois. Environmental Ser. Report. 151. Champaign, IL: Illinois State Geological. 43 p.

Parker, D.I.; Cook, J.A.; Lewis, S.W. 1996. Effects of timber harvest on bat activity in southeastern Alaska's temperate rainforests. pp. 277-292. In: Barclay, R.M.R.; Brigham, R.M., eds. Bats and Forests Symposium. Working Paper 23/1996. Victoria, BC: Canadian Research Branch, BC Ministry of Forests.

Parker, G. R. 1989. Old-growth forests of the central hardwood region. Natural Areas Journal. 9(1):5-11.

Parker, George, R.; Ruffner, Charles M. 2004. Current and historical forest conditions and disturbance regimes in the Hoosier-Shawnee ecological assessment area. In: Thompson, Frank R. III, ed. The Hoosier-Shawnee ecological assessment. General

Technical Report NC-244. St. Paul: MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 267 p.

Parker, George R.; Weaver, George T. 1989. Ecological principles: climate, physiography, soil, and vegetation. In: Clark, F. Bryan, tech. ed.; Hutchinson, Jay G., ed. Central Hardwood Notes. St. Paul, MN: U.S. Department of Agriculture, Forest Service., North Central Forest Experiment Station: Note 2.01.

Parris, K.M.; Lindenmayer, D.B. 2004. Evidence that creation of a *Pinus radiata* plantation in south-eastern Australia has reduced habitat for frogs. *Acta Oecologica* 25:93-101.

Paterson, Richard. W. 2002. Off-highway vehicle all-terrain vehicle use by persons with disabilities in areas with restrictions or prohibitions on such use. Letter dated February 12, 2000 to Regional Recreation Directors. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].]

Patric, James H. 1978. Harvesting effects on soil and water in the Eastern hardwood forest. *Southern Journal of Applied Forestry*. 2(3):66-73.

Patric, James H. 1995. Water, woods, and people- A primer. Greenville, TN: Artistic Printers.

Patric, James H. 1996. Forest soil and streams: keeping them (almost) apart. Available online at <http://www.heartland.org>. Last date accessed: October 6, 2004.

Patric, James H. 2003. Documents prepared under an agreement with James Patric to conduct literature search on riparian area management and review and recommendations of Hoosier National Forest Plan riparian area and riparian filter strip guidance. 6 p. Unpublished administrative paper. [On file with: Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421.]

Patton, D.R. 1992. Wildlife habitat relationships in forested ecosystems. Portland, OR: Timber Press. 392 p.

Pearson, W.D.; Boston C.H. 1995. Distribution and status of the northern cavefish, *Ambloopsis spelaea*. Indiana Department of Natural Resources, Division of Fish and Wildlife, Nongame and Endangered Wildlife Program Final Report.

Perry, Roger W.; Thill, Ronald E.; Peitze, David G.; *et al.* 1999. Effects of different silvicultural systems on initial soft mast production. *Wildlife Society Bulletin*. 27(4):915-925.

Perry, W.L.; Feder, J.L.; Dwyer, G.; *et al.* 2001. Hybrid zone dynamics and species replacement between *Orconectes* crayfishes in a northern Wisconsin lake. *Evolution*. 55(6): 1153-1166.

Peterson, B.J.; Wollheim, W.M.; Mulholland, P.J.; *et al.* 2001. Control of nitrogen export from watersheds by headwater streams. *Science*. 292:86-89.

Petranka, J.W. 1998. Salamanders of the United States and Canada. Washington, DC: Smithsonian Institution Press.

Petranka, J.W.; Brannon, P.M.; Hopey, M.E.; *et al.* 1994. Effects of timber harvesting on low elevation populations of southern Appalachian salamanders. *Forest and Ecology Management*. 67:135-147.

Petranka, James W.; Eldridge, Matthew E.; Haley, Katherine E. 1992. Effects of timber harvesting on Southern Appalachian salamanders. *Conservation Biology*. 7(2):363-370.

Pflieger, W. L. 1997. The fishes of Missouri. Jefferson City, MO: The Conservation Commission of the State of Missouri. 372 p.

Piergallini, N.H. 1998. Nesting success of the gray catbird (*Dumetella carolinensis*) in a forest irrigated with treated wastewater. University Park, PA: Pennsylvania State University, Master's thesis.

Pimm, Stuart L.; Askins, Robert A. 1995. Forest losses predict bird extinctions in eastern North America. *Proceedings of the National Academy of Sciences USA*. 92:9343-9347.

Postelli, Katherine. 2000. Raptors and roads. *The Road_RIPorter* (Bibliography Notes). March/April:12-13.

Potzger, J.E.; Potzger, M.E.; McCormick, J. 1956. The forest primeval of Indiana as recorded in the original U.S. land surveys and an evaluation of previous interpretations of Indiana vegetation. *Butler Botanical Series*. 13:95-111.

Poulson, T.L. 1963. Cave adaptation in amblyopsid fishes. *The American Midland Naturalist*. 70(2):257-290.

Pritchett, W.L. 1979. Properties and management of forest soils. New York: John Wiley and Sons.

Pritchett, W.L.; Fisher, R.F. 1987. Properties and management of forest soils. New York: John Wiley and Sons.

Probst, J.R.; Rakstad, D.S.; Rugg, D.J. 1992. Breeding bird communities in regenerating and mature broadleaf forests in the USA lake states. *Forest Ecology and Management*. 49:43-60.

Prosser, D. J.; Brooks, R.P. 1998. A verified habitat suitability index for the Louisiana waterthrush. *Journal of Field Ornithology*. 69:288-298.

Pulliam, H. R. 1988. Sources, sinks, and population regulation. *American Naturalist*. 137:550-566.

Pulliam, H. R.; Danielson, B.J. 1991. Sources, sinks, and population regulation. *American Naturalist*. 132:652-661.

Quarterman, E. 1973. Allelopathy in cedar glade communities. *Journal of the Tennessee Academy of Science* 48:147-150.

Ralph, S.C.; Poole, G.C.; Conquest, L.L.; *et al.* 1994. Stream channel morphology and woody debris in logged and unlogged basins of western Washington. *Canadian Journal of Fisheries and Aquatic Science*. 51:37-51.

Rappole, J.H.; Ballard, K. 1987. Postbreeding movements of selected species of birds in Athens, Georgia. *Wilson Bulletin*. 99:475-480.

Ream, Catherine H. 1981. The effects of fire and other and other disturbances on small mammals and their predators: an annotated bibliography. Gen. Tech. Rep. INT-106. U. S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station.

Reed, R.A.; Johnson-Barnard, J.; Baker, W.L.; *et al.* 1996. Fragmentation of a forested Rocky Mountain landscape, 1950-1993. *Biological Conservation*. 75: 267-277.

Reid, D. G.; Code, T.E.; Reid, A.C.H.; *et al.* 1994. Food habits of the river otter in a boreal ecosystem. *Canadian Journal of Zoology*. 72:1306-1313.

Reinhart, K.G.; Eschner, A.R.; Trimble Jr., G.R. 1963. Effect on streamflow of four forest practices in the mountains of West Virginia. Res. Pap. NE-1. Upper Darby, PA: U. S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station.

Relyea, Rick A. 2005. The impact of insecticides and herbicides on the biodiversity and productivity of aquatic communities. *Ecological Applications*. 15(2). Available online at: www.mindfully.org/Pesticide/2005/Roundup-Aquatic-Communicates1apr05.htm

Rich, Terrell D.; Beardmore, Carol J.; Berlanga, Humberto.; *et al.* 2004. Partners in Flight North American landbird conservation plan. Ithaca, NY: Cornell Lab of Ornithology. Available online at: <http://www.partnersinflight.org/content/5Fplan>. Date accessed: August 18, 2005.

Richter, D. D.; Ralston, C.W. 1982. Prescribed fire: effects on water quality and forest nutrient cycling. *Science*. 215: 661-662.

Riggs, R.A.; Bunting, S.C.; Daniels, S.E. 1996. Prescribed fire. In: Krausman P.R., ed. *Rangeland wildlife*. Denver, Colorado: Society for Range Management. pp. 295-319.

Rittenhouse, C.D.; Dijk, W.D.; Thompson, F.R., III.; *et al.* 2004. Yellow-breasted chat model conceptualization. 4 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Roach, Benjamin A. 1974. What is selection cutting and how do you make it work. AFRI Misc. Rep. No. 5. Syracuse, NY: Applied Forestry Research Institute, SUNY, College of Environmental Science and Forestry. 9 p.

Robbins, C.S. 1979. Effect of forest fragmentation on bird populations. Pages 198-212 In: DeGraff, R.M.; Evans, K.E., eds. *Management of north central and northeastern forests for nongame birds*. Gen. Tech. Rep. NC-51. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station.

Robbins, C.S. 1980. Effect of forest fragmentation on breeding bird populations in the Piedmont of the mid-Atlantic region. *Atlantic Naturalist*. pp. 31-36.

Robbins, C.S. 2001. Non-native birds. Available online at: <http://biology.usgs.gov/s+t/frame/x177.htm>. Date accessed: December 1, 2004.

Robbins, C. S.; Dawson, D.K.; Dowell, B.A. 1989. Habitat area requirements of breeding forest birds of the Middle Atlantic States. *Wildlife Monographs*. 103:1-34.

Robbins, C. S.; Fitzpatrick, J.W.; Hamel, P.B. 1992. A warbler in trouble: *Dendroica cerulea*. In: Hagan III, J.M.; Johnston, D.W. eds. *Ecology and conservation of Neotropical migrant landbirds*. Washington, D.C: Smithsonian Institution Press. pp 549-562.

Robbins, L.E.; Myers, R.L. 1992. Seasonal effects of prescribed burning in Florida: A review. *Miscellaneous Publication Number 8*. Tallahassee, FL: Tall Timbers Research, Inc. 96 p.

Robertson, P.A.; Heikens, A.L. 1994. Fire frequency in oak-hickory forests of southern Illinois. *Castanea*. 59:286-291.

Robinson, S. K. 1992. Population dynamics of breeding Neotropical migrants in a fragmented Illinois landscape. Pages 408-18 In: Hagan III, J.M.; D. W. Johnston, D.W. eds. *Ecology and conservation of Neotropical migrant landbirds*. Washington, D.C.: Smithsonian Institution Press.

Robinson, S.K.; Robinson, W.D. 2001. Avian nesting success in a selectively harvested north temperate deciduous forest. *Conservation Biology*. 15:1763-1771.

Robinson, S. K.; Thompson III, F.R.; Donovan, T.M.; *et al.* 1995. Regional forest fragmentation and the nesting success of migratory birds. *Science*. 267:1987-1990.

Robinson, W. D. 1996. *Southern Illinois birds*. Carbondale and Edwardsville, IL: Southern Illinois University Press.

Robinson, W. D.; Robinson, S.K. 1999. Effects of selective logging on forest bird populations in a fragmented landscape. *Conservation Biology*. 13:58–66.

Rodewald, A.D.; Abrams, M.D. 2002. Floristics and avian community structure: Implications for regional changes in Eastern forest composition. *Forest Science*. 48:267-272.

Rollfinke, B.F.; Yahner, R.H. 1991. Microhabitat use by wintering birds in an irrigated mixed-oak forest in central Pennsylvania. *Journal of Pennsylvania Academy of Science*. 65:59-67.

Romme, R.C.; Tyrell, K; Brack, V. 1995. Literature summary and habitat suitability index model: Components of summer habitat for the Indiana bat, *Myotis sodalis*. Federal Aid Project E-1-7, Study No. 8. 3/D Environmental. 38 p. + appendices.

Rooney, Thomas P.; Waller, Donald M. 2003. Direct and indirect effects of white-tailed deer in forest ecosystems. *Forest Ecology and Management*. 181:165-176.

Rose, Cathy L.; Marcot, Bruce G.; Mellen, T. Kim; *et al.* Decaying wood in Pacific Northwest forests: concepts and tools for habitat management. In: Chapter 24 Wood legacies, Wildlife—habitat relationships in Oregon and Washington. publishing info unknown. pp. 580-623.

Roseberry, J.L.; Sudkamp, S.C. 1998. Assessing the suitability of landscapes for northern bobwhite. *Journal of Wildlife Management*. 62:895-902.

Rosenberg, K.V. 2004. Parters in Flight continental priorities and objectives defined at the state and bird conservation region levels – Indiana. Ithaca, NY: Cornell Lab of Ornithology.

Rosgen, D. 1996. Applied river morphology. Pagosa Springs, CO: Wildland Hydrology. 353 p.

Roth, R. R.; Johnson, M.S.; Underwood, T.J. 1996. Wood thrush (*Hylocichla mustelina*). No. 246. In: Poole, A.; Gill, F., ed. The Birds of North America. Philadelphia, PA: The Academy of Natural Sciences; and Washington, DC: The American Ornithologists' Union.

Rusch, D. H.; Destefano, S.; Reynolds, M.C.; *et al.* 2000. Ruffed Grouse, *Bonasa umbellatus*. No. 515. In: Poole, A.; Gill, F., ed. The Birdsof North America. Philadelphia, PA: The Academy of Natural Sciences; and Washington, DC: The American Ornithologists' Union.

Safi, K.; Kerth, G. 2004. A comparative analysis of specialization and extinction risk temperate-zone bats. *Conservation Biology*. 18:1293-1303.

Sams, Chuck. 2002. Hoosier air quality assessment package. Dated December 3, 2002. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Sander, Ivan L.; Clark, F. Bryan. 1971. Reproduction of upland hardwood forests in the central states. Ag. Hand. 405. Washington, D.C.: U. S. Department of Agriculture, Forest Service. 25 p.

Sauer, J.R.; Hines, J.E.; Fallon, J. 2004. The North American breeding bird survey, results and analysis 1966–2000: Version 2004.1. Laurel, MD: USGS Patuxent Wildlife Research Center. Available online at: <http://www.mbr-pwrc.usgs.gov/bbs/bbs.html>. Date accessed: July 29, 2004.

Sauer, John R.; Pendleton Grey W.; Peterjohn, Bruce G. 1996. Evaluating causes of population changes in North American insectivorous songbirds. *Conservation Biology*. 10(2):465-478.

Schaaf, Kenli A.; Ross-Davis, Amy L.; Broussard, Shorna R. In press. Exploring the dimensionality and social bases of the public's timber harvesting attitudes. *Landscape and Urban Planning* (accepted July 7, 2005).12 p.

- Schamberger, M.A.; Farmer, H.; Terrell, J.W. 1982. Habitat suitability index model: introduction. USDI Fish and Wildlife Service. FWS/OBS-82/10. 2 p.
- Schlesinger, R.C. 1976. Hard maples increasing in an upland forest stand. Pages 177-185 In: Proceedings for 1st Central Hardwood Forest Conference, Carbondale, IL.
- Schlesinger, Richard D.; Shigo, Alex L. 1989. Pruning Central hardwoods. In: Clark, F. Bryan, tech. ed.; Hutchinson, Jay G., ed. Central Hardwood Notes. St Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. Note 6.09.
- Schmidt, A.C.; Tyrell, K.; Gleuck, T. 2002. Environmental contaminants in bats collected from Missouri. pp. 228-236. In: The Indiana bat. Biology and management of an endangered species, Kurta, A.; Kennedy, J., eds. Austin, TX: Bat Conservation International.
- Schubert, D.J. 2000. Impacts of stress on wildlife. The Road-RIPorter. May-June. pp 9-10.
- Schubert, D.J.; Smith, Jacob. 2000. The impacts of off-road vehicle noise on wildlife. The Road RIPorter. January-February. pp. 12-14.
- Schwarz, Charles F.; Thor, Edward C.; Eisner, Gary H. 1976. Wildland planning glossary. Gen. Tech. Rep. PSW-13. Berkeley, CA: U. S. Department of Agriculture, Forest Service, Pacific Southwest Forest and Range Experiment Station. 252 p.
- Seifert, John R.; Selig, Marcus F.; Jacobs, Douglass F.; *et al.* 2005. Native oak regeneration following clearcutting on the Hoosier National Forest. West Lafayette, IN: Purdue University (Extension). FNR-260. 11 p.
- Semlitsch, Raymond. D. 1998. Biological delineation of terrestrial buffer zones for pond-breeding salamanders. Conservation Biology. 12:1113-1119.
- Seng, P.; White, G., eds. 2003. Indiana aquatic nuisance species (ANS) management plan. Mishawaka, IN: D.J. Case & Associates. Prepared for: Indiana Department of Natural Resources, Division of Fish and Wildlife. 101 p.
- Sharpe, Grant W.; Hendee, John C.; Sharpe, Wenonah F. 2003. Introduction to Forests and renewable resources. Seventh edition. New York: McGraw Hill. 544 p.
- Sheridan, D. 1979. Off-road vehicles on public land. Council on Environmental Quality, Washington DC: U.S. Government Printing Office. Report No. 041-011-00041-6.
- Shifley, Stephen R.; Sullivan, Neal H. 2002. The status of timber resources in the North Central United States. Gen. Tech. Rep. NC-228. St. Paul MN: U. S. Department of Agriculture, Forest Service, North Central Research Station. 47 p.
- Sieber, Ellen; Munson, Cheryl Ann. 1994. Looking at history: Indiana's Hoosier National Forest region: 1600 to 1950. Bloomington, IN: Indiana University Press. 131 p.

Sieber, Ellen; Smith, Edward E.; Munson, Cheryl Ann. 1989. Archaeological resource management overview for the Hoosier National Forest, Indiana. Bloomington, IN: Glenn A. Black Laboratory of Archaeology, Indiana University. Reports of Investigations 89-9. 221 p.

Signell, Stephen A.; Abrams, Marc D.; Hovis, Joseph C.; *et al.* 2005. Impact on multiple fires on stand structure and tree regeneration in central Appalachian oak forests. *Forest Ecology and Management*. 218:146-158.

Simon, Thomas P. 2001. Checklist of the crayfish and freshwater shrimp (Decapoda) of Indiana. *Proceedings of the Indiana Academy of Science*. 110:104-110.

Simons, Ted; Lichstein, Jeremy; Franzreb, Kathleen E. 1999. The effects of landscape pattern, core areas, and forest management practices on avian communities in the southern Appalachians, 1998 annual report to the U.S. Forest Service.

Smith, D.M.; Larson, B.C.; Kelty, M.J.; *et al.* 1997. The practice of silviculture: applied forest ecology. New York: John Wiley and Sons. 537 p.

Smith, H. Clay; DeBald, Paul S. 1978. Economics of even-aged and uneven-aged silviculture and management in eastern hardwoods. In: *Uneven-aged silviculture and management in the United States*. Washington, D.C.: U. S. Department of Agriculture, Forest Service, Timber Management Research.

Smith, J.K., ed. 2000. Wildland fire in ecosystems: Effects of fire on fauna. Gen. Tech. Rep. RMRS -42 Vol. 1. Ogden, UT: US Department of Agriculture, Forest Service, Rocky Mountain Research Station. 83 p.

Smith, K.G. 1986. Winter population dynamics of three species of mast-eating birds in the eastern United States. *Wilson Bulletin*. 98:407-418.

Society of American Foresters. 1971. Terminology of forest science, technology practice and products. Washington DC: Society of American Foresters. 349 p.

Society of American Foresters Silviculture Working Group. 1994. Silviculture terminology. Terminology committee: Adams, David L.; Hodges, John D.; Loftis, David L.; *et al.* 15 p. [On file with Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford IN 47421].

Soil Science Society of America, Inc. 2001. Internet glossary of soil science terms. Available online at: <http://www.soils.org/sssagloss/> Last visited December 21, 2004.

Solheim, S.L.; Alverson, W.S.; Waller, D.M. 1987. Maintaining biotic diversity in national forests: the necessity for large blocks of mature forest. *Endangered Species: Technical Bulletin Reprint* (University of Michigan). 4(8):1-3.

Species Viability Evaluation (SVE) Panels. 2002. Meetings of Midwest species experts discussing 10 groups of animals and plants. Terre Haute, Indiana. May 13-17, 21-24, 2002. Unpublished meeting notes and Species Data Collection Forest. [On file with Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Species Viability Evaluation (SVE) Panels. 2004. Meetings of Midwest species experts to review models of each SCE species and evaluate effects of proposed Forest Plan alternatives on their specialty species. Terre Haute, Indiana. January 14-16, 21, 2004. Unpublished meeting notes and Species Data Collection Forest. [On file with Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Spetich, Martin A.; Parker, George R.; Gustafson, Eric J. 1997. Spatial and temporal relationships of old growth and secondary forests in Indiana, USA. *Natural Areas Journal*. 17:118-130.

State of New Hampshire Department of Resources and Economic Development. 2003. A plan for developing New Hampshire's statewide trail system for ATV's and trail bikes. Unpublished paper. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Steen, Harold K., ed. 1992. The origins of the national forests: a centennial symposium. Forest History Society. 332 p.

Stone, Earl L. 1973. The impact of timber harvest on soils and water. In: Report of President's Advisory Panel on Timber and the Environment. U. S. Govt. Printing Office, Washington, D. C.

Stone, E.L.; Swank, W.T.; Hornbeck, J.W. 1978. Impacts of timber harvest and regeneration systems on stream flow and soils in the Eastern deciduous region. In: Youngberg, Chester T., ed. Forest soils and land use, Proceedings of the fifth North American forest soils conference, Ft. Collins, CO, August 1978. Fort Collins, CO: Colorado State University, Department of Forest and Wood Sciences. pp. 516-535.

Strout, Danna. 2004. Memo dated January 14, 2004 to Forest Supervisor, estimation of horse and bike trail use for CY 2003. 4p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

Swank, W.T.; DeBano, L.F.; Nelson, D. 1989. Effects of timber management practices on soil and water. In: R.M. Burns, R.M., tech.compiler. The scientific basis for silvicultural and management decisions in the National Forest System. Washington, DC: U.S. Department of Agriculture, Forest Service, Timber Management Research, pp.79-106.

Sweeten, Jerry; McCreedy, Clark D. 2002. Suspended stream sediment: An environmental indicator for warmwater streams. ARN-98-175. Indianapolis: Indiana Department of Environmental Management, Office of Water Management, Nonpoint Source Section. 87 p.

Swengel, S. R. 1996. Management responses of three species of declining sparrows in tallgrass prairie. *Bird Conservation International*. 6:241-253.

Swift, Jr. Lloyd W. 1985. Forest road design to minimize erosion in the southern Appalachians. Pp. 141-151 In: B. G. Blackmon, editor. Proceedings forestry and water quality: A Mid-South symposium.. Little Rock, AR: Department of Forest Resources, University of Arkansas. 200 p.

- Swift, Jr., Lloyd W. 1986. Filter strip widths for forest roads in the Southern Appalachians. *Southern Journal of Applied Forestry*. 10:27-34.
- Taylor, C.A., Warren, M.L. Jr., Fitzpatrick, Jr., J.F.; *et al.* 1996. Conservation status of the crayfishes of the United States and Canada. *Fisheries*. 22(4):25-38.
- Taylor, E.R. 1982. The freshwater mussels (naiads) of Big Indian Creek, a small southern Indiana tributary of the Ohio River (Bivalvia: Unionidae). *Nautilus* 96:66-68.
- Taylor, S.J.; Webb, D.W. 2000. Human impacts on groundwater quality and subterranean aquatic biota in southwestern Illinois. Champaign, IL: Illinois Natural History Survey Reports. 361:2-3.
- Tebo, L.B. 1955. Effects of siltation, resulting from improper logging, on the bottom fauna of a small trout stream in the southern Appalachians. *Progressive Fish-Culturist* 17:64-70.
- Temperate Forest Foundation. Have you heard the buzz on U.S. Wood? Available online at <http://www.fas.usda.gov/info/agexporter/2001/jan/buzz.pdf>. Date accessed: September 7, 2005.
- Temple, W. 1966. Indian village of the Illinois County. Museum Scientific papers, Volume II, Part 2.
- Thake, Tom. 2002. Hoosier National Forest timber demand. 4 p. Administrative report. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].
- Thatcher, Benjamin S. 2005. Timber harvests may be an important tool for improving songbird habitat. No publishing information available. 1 p.
- Theodore Roosevelt Conservation Alliance. 2000. The economic impacts of fishing, hunting and wildlife viewing on national forest lands. 39 p.
- The Nature Conservancy. 1998. Species management abstract yellow-breasted chat (*Icteria virens*). Arlington, VA: The Nature Conservancy,. Available online at: http://www.conserveonline.org/programs/international/regional_divisions/wings_of_the_americas_program;internal&action=buildframes.action. Date accessed: May 8, 2000.
- Thompson III, F.R.; DeGraaf, R.M. 2001. Conservation approaches for woody early successional communities in the eastern United States. *Wildlife Society Bulletin*. 29:483-494.
- Thompson III, F.R.; Dessecker, D.R. 1997. Management of early-successional communities in central hardwood forests with special emphasis on the ecology and management of oaks, ruffed grouse, and forest songbirds. Gen. Tech. Rep. NC-195. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 33 p.

Thompson III, F. R.; Dijak, W.D.; Kulowiec, D.J.; *et al.* 1992. Breeding bird populations in Missouri Ozark forests with and without clearcutting. *Journal of Wildlife Management*. 56:23-30.

Thompson, F.R.; Dijak, W.D. 2000. Differences in movements, home ranges, and habitat preferences of female brown-headed cowbirds in three Midwestern landscapes. In: *Ecology and management of cowbirds and their hosts: studies in the conservation of North American passerine birds*. Austin, TX: University of Texas Press. pp. 100-109.

Thompson III, F. R.; Fritzell, E.K. 1989. Habitat use, home range, and survival of territorial male ruffed grouse. *Journal of Wildlife Management*. 53:15-21.

Thompson III, F.R.; Lewis, S.J.; Green, J.; *et al.* 1993. Status of Neotropical migrant landbirds in the Midwest: Identifying species of management concern. pp. 145-158, In: Finch, D.M.; Stangel, P.W., eds. *Status and management of Neotropical migratory birds*, 1992. Gen. Tech. Rep. RM-229. Fort Collins, CO: U. S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station.

Thompson III, F.R.; Probst, J.R.; Raphael, M.G. 1995. Impacts of silviculture: overview and management recommendations. Pages 201-21. In: Martin, T.E.; Finch, E.M., eds. *Ecology and management of Neotropical migratory birds*. Oxford, United Kingdom: Oxford University Press.

Thompson III, F.R.; Robinson, S.K.; Whitehead, D.R.; *et al.* 1996. Management of central hardwoods landscapes for the conservation of migratory birds. In: Thompson III, F.R., ed. *Management of Midwestern landscapes for the conservation of Neotropical migratory birds*. Gen. Tech. Rep. NC-187. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experimental Station. pp. 117-143.

Thompson III, Frank R., ed. 2004. *The Hoosier-Shawnee Ecological Assessment*. Gen. Tech. Report NC-244. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 267 p.

Thompson, J.C. 2000. *USDA rural development FY2000 strategic plan for Indiana*. Washington D.C.: United States Department of Agriculture.

Tibbels, A.E.; Kurta, A. 2003. Bat activity is low in thinned and unthinned stands of red pine. *Canadian Journal of Forest Research*. 33:2436-2442.

Tuttle, M.D.; Kennedy, J. 2002. Thermal requirements during hibernation. pp. 68-78. In: Kurta, A.; Kennedy, J., eds. *The Indiana bat: Biology and management of an endangered species*. Austin, TX: Bat Conservation International.

Tuttle, M.D.; Stevenson, D.E. 1977. An analysis of migration as a mortality factor in the gray bat as based on public recoveries of banded bats. *American Midland Naturalist*. 97:235-240.

Tyrrell, Lucy; Faber-Langendoen, D.; Snow, K. In press. *An assessment of research natural area representation based on an ecological framework for the Eastern Region*. Draft copies dated August 31, 2000 and April 10, 2000. 564 p.

Unversaw, Ralph. 2002. Personal conversation between Tom Krueger, Special Uses Forester, and Ralph Unversaw, District Forester, Owen-Putnam State Forest, Spencer, IN on June 13, 2002. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

U.S. Census Bureau. 2000. State and county quick facts. Available online at <http://quickfacts.census.gov>__Date accessed: April 16, 2004.

U.S. Census Bureau. 2000. GCT-PL - Census 2000 redistricting data (Public Law 94-171) summary file for Indiana. Available online at <http://factfinder.census.gov/home/>. Date accessed: March 8, 2004.

U.S. Census Bureau. 2003. State and county QuickFacts: data derived from population estimates, 2000 census of population and housing. Available online at <http://quickfacts.census.gov/qfd/states/18000.html>. Date accessed: December 1, 2003.

U.S. Census Bureau 2004. Available online at http://factfinder.census.gov/servlet/GCTTable?_bm=y&-stategct&-context=gct&-ds_name. Date accessed: October 7, 2004.

USDA FS (items cited this way in the text are listed here as “U.S. Department of Agriculture, Forest Service”)

U.S. Department of Agriculture, Forest Service. 1974b. Seeds of woody plants in the United States. Agriculture Handbook No. 450. 881 p.

U.S. Department of Agriculture, Forest Service. 1984. Proposed land and resource management plan, Hoosier National Forest: Bedford IN. 230 p.

U.S. Department of Agriculture, Forest Service. 1987a. Off-road vehicle use areas, Record of decision: Land and resource management plan amendment. Bedford IN: Hoosier National Forest. 64 p.

U.S. Department of Agriculture, Forest Service. 1987b. National forest landscape management- recreation- Vol. 2, Chapter 8. Agricultural Handbook No. 666.

U.S. Department of Agriculture, Forest Service. 1990. Resource pricing and valuation procedures for the recommended 1990 RPA. 33 p. [On file with: Forest Supervisor, Hoosier National Forest 811 Constitution Ave., Bedford, IN 47421].

U.S. Department of Agriculture, Forest Service. 1991a. Land and resource management plan, plan amendment, Hoosier National Forest. 90 p.

U.S. Department of Agriculture, Forest Service. 1991b. Land and resource management plan, final environmental impact statement, Hoosier National Forest. 177 p.

U.S. Department of Agriculture, Forest Service. 1995. National forest resource management amendment 2000-95-5, Zero code 2080 noxious weed management. Also available online at <http://www.fs.us/im/directives/fsm/2000/2080.txt>.

U.S. Department of Agriculture, Forest Service. 1997. Outfitter-guide administration guidebook. 222 p.

U.S. Department of Agriculture, Forest Service, Washington Office. 1998a. Heritage-it's about time: a national strategy. Washington, DC. 13 p.

U.S. Department of Agriculture, Forest Service. 1998b. Stemming the invasive tide: Forest Service strategy for noxious and nonnative plant management. Washington, D.C. 31 p. Also Available online at http://www.fs.fed.us/r6/weeds/fs_strat_doc.pdf.

U.S. Department of Agriculture, Forest Service, Region 6. 2000a. Heritage meaningful measures notes. 2/15-17/2000. Tucson, AZ. 8 p.

U.S. Department of Agriculture, Forest Service. 2000b. Need for change: description of proposal for revising the forest plan of the Hoosier National Forest. 37 p.

U.S. Department of Agriculture, Forest Service. 2000c. Forest Service roadless area conservation, final environmental impact statement. 619 p.

U.S. Department of Agriculture, Forest Service. 2001a. USDA-Forest Service, Guide to noxious weed prevention practices. Washington Office. Version 1.0, dated July 5, 2001. 22 p. + appendices. Also available online at <http://www.fs.fed.us/rangelines/ecology/invasives.html>

U.S. Department of Agriculture, Forest Service. 2001b. Invasive plant management decisions and environmental analyses. Washington Office. Dated November 2001. 27 p. Also available online at http://www.fs.fed.us/rangelines/ftp/docs/weeds_NEPA.pdf.

U.S. Department of Agriculture, Forest Service. 2001c. Forest scale roads analysis, Hoosier National Forest – Brown, Crawford, Dubois, Jackson, Lawrence, Martin, Monroe, Orange, and Perry County, Indiana. 71 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

U.S. Department of Agriculture, Forest Service. 2001d. Forest Service Manual 1900 – Planning, Chapter 1920. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

U.S. Department of Agriculture, Forest Service. 2002a. USDA Forest Service handbook: soil management handbook, R9RO 2509.18-2002-1, Soil quality monitoring. 21 p. (Interim Directive).

U.S. Department of Agriculture, Forest Service. 2002b. Review of Hoosier National Forest for potential roadless areas. 47 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

U.S. Department of Agriculture, Forest Service. 2002c. OHV regulations for Land Between the Lakes. Available online at <http://www.kentuckylakke.com/lbl/ohv-regs.htm>. Last date accessed: August 18, 2004.

U.S. Department of Agriculture, Forest Service. 2002d. OHV regulations for Land Between the Lakes. Available online at <http://www.kentuckylake.com/lbl/ohv-regs.htm>. Date accessed: November 19, 2004.

U.S. Department of Agriculture, Forest Service. 2002e. Trail program Hoosier National Forest. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421]. 32p.

U.S. Department of Agriculture, Forest Service. 2003a. National OHV policy working group background paper with key messages and talking points. 3 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

U.S. Department of Agriculture, Forest Service. 2003b. Building on lessons learned: managing R9 plan revisions. Recreation off road vehicles, off highway motorcycles and all terrain vehicles. 5 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

U.S. Department of Agriculture, Forest Service. 2003c. Non-native invasive species framework for plants and animals in the U.S. Forest Service, Eastern Region. R9 Regional leadership team. Dated April 11, 2003. 20 p. Also available online at <http://www.fs.fed.us/r9/wildlife/nnis/>.

U.S. Department of Agriculture, Forest Service. 2004a. Unpublished compilation of annual monitoring reports 1987-2003. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

U.S. Department of Agriculture, Forest Service. 2004b. USDA Forest Service handbook R9 RO 2509.22-2002-1, soil and water conservation handbook (Interim Directive). 21 pp

U.S. Department of Agriculture, Forest Service. 2004d. Land and resource management plan for the Daniel Boone National Forest. 280 p.

U.S. Department of Agriculture, Forest Service. 2004e. National visitor use monitoring report for the Hoosier National Forest. Available online at <http://www.fs.fed.us/recreation/programs/nvum/>. Date accessed: May 2004.

U.S. Department of Agriculture, Forest Service. 2004f. Region 9 framework for integrating watersheds into Forest Plan revisions – riparian areas. U.S. Department of Agriculture, Forest Service Region 9. Milwaukee WS. 4 p.

U.S. Department of Agriculture, Forest Service. 2005. Programmatic biological assessment of the Hoosier National Forest Land and Resource Management Plan. Bedford, IN: Hoosier National Forest. 64 p.

U.S. Department of Agriculture, National Agricultural Statistics Service (NASS). 1999. Equine inventory. Available online at <http://www.usda.gov/nass/>. Date accessed: April 16, 2004.

U.S. Department of Agriculture, Natural Resources Conservation Service. 2001a. Digital soil database of the Hoosier National Forest, Indiana. Unpublished material. Developer: U.S. Department of Agriculture, Natural Resources Conservation Service, Travis Neely,

State Soil Scientist, 6013 Lakeside Blvd, Indianapolis, IN, 46278. Contact Voice Telephone: 317 290 3200, extension 380.

U.S. Department of Agriculture, Natural Resources Conservation Service. 2001b. Plants profile: *Polytaenia nuttallii*. The PLANTS Database, Version 3.1. National Plant Data Center, Baton Rouge, LA: Available online at: <http://www.plants.usda.gov>. Date last accessed: October 24, 2001.

U.S. Department of Agriculture, North Central Forest Experiment Station (NCES). 2003. Forest profile for Indiana. Forest profiles in Indiana website. Available online at: <http://www.ncrs.fs.fed.us/hottopics/fpin.asp>. Date accessed: December 1, 2003.

U.S. Department of Interior, National Park Service. 2004. Nationwide rivers inventory. Available online at <http://www.nps.gov/ncrc/programs/rtca/nri>. Date accessed: August 18, 2004.

U.S. Department of Interior, Fish and Wildlife Service. 1984. Recovery plan for the rough pigtoe mussel, *Pleurobema plenum* (Lea 1834). Atlanta, GA: USDI Fish and Wildlife Service, Region 4. 51 p.

U.S. Department of Interior, Fish and Wildlife Service. 1999. Agency draft Indiana bat (*Myotis sodalis*) revised recovery plan. Ft. Snelling, MN: USDI Fish and Wildlife Service. 53 p.

U.S. Environmental Protection Agency. 2002a. Regulatory announcement: emission standards for new non-road engines. 7 p. [On file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421].

United States National Aeronautical and Space Administration. 2004. Gross domestic product deflator inflation calculator. Available online at: <http://www.jsc.nasa.gov/bu2/inflateGDP.html>. Date accessed: November 29, 2004.

Van Lear, David H. 2000. Recent advances in the silvicultural use of prescribed fire. In: Moser, W. Keith; Moser, Cynthia F, eds. Fire and forest ecology: innovation in silviculture and vegetation management. Tall Timbers Fire Ecology Conference Proceedings, No. 21. Tallahassee, FL: Tall Timbers Research Station.

Van Lear, D.H. 2004. Upland oak ecology and management. In: Spetich, Martin A., ed. Upland oak ecology symposium: history, current conditions, and sustainability. Gen Tech. Rep. SRS-73. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 311 p.

Van Lear, D.H.; Harlow, R.F. 2000. Fire in the Eastern United States: influence on wildlife habitat. pp. 2-10. In: The role of fire in nongame wildlife management and community restoration: traditional uses and new directions, September 15, 2000. Nashville, TN. Gen. Tech. Rep. NE-288. U.S. Department of Agriculture, Forest Service, Northeastern Research Station. 145 p.

Vangilder, Larry D. 1997. Acorn production on the Missouri Ozark forest ecosystem project study sites: pre-treatment data. In: Brookshire, Brian L.; Shifley, Stephen R., eds. Proceedings of the Missouri Ozark forest ecosystem project symposium: an

experimental approach to landscape research. Gen. Tech. Rep. NC-193. U.S. Department of Agriculture, Forest Service, North Central Forest Experimental Station. 378 p.

Vanner, Michael. 2002. The encyclopedia of North American birds. China: Barnes & Noble Inc. 384 p..

Vannote, R.L.; Minshall, G.W.; Cummins, K.W.; *et al.* 1980. The river continuum concept. Canadian Journal of Fisheries and Aquatic Science. 37:130-137.

Vaughan, D. Mace. 2002. Potential impact of road-stream crossings (culverts) on the upstream passage of aquatic macroinvertebrates. Los Angeles, CA: U. S. Department of Agriculture, Forest Service, San Dimas Technology and Development Center.

Vega Rivera, J.H.; McShea, W.J.; Rappole, J.H.; *et al.* 1999. Postbreeding movements and habitat use of adult wood thrushes in northern Virginia. Auk. 116:458-466.

Verry, E.S.; Hornbeck J.W.; Dolloff, C.A. 2000. Riparian management in forests of the continental Eastern United States. Washington, D.C: CRC Press LLC. 402 p.

Vodak, M.C.; Roberts, P.L.; Wellman, J.D.; *et al.* 1985. Scenic impacts of Eastern hardwood management. Forest Science. 31(2):289-301.

Vogl, R.J. 1979. Some basic principles of grassland fire management. Environmental Management. 3(1):51-57.

Vreeland, J.K.; Tietje, W.D. 2000. Numerical response of small vertebrates to prescribed fire in California Oak Woodland. pp. 100-110. In: The role of fire in nongame wildlife management and community restoration: traditional uses and new directions, September 15, 2000. Nashville, TN. Gen. Tech. Rep. NE-288. U.S. Department of Agriculture, Forest Service, Northeastern Research Station. 145 p.

Waller, Amy J.; Sime, Carolyn A.; Bissell, Gael N.; *et al.* 1999. Semi-aquatic mammals. In: Joslin, G.; Yumans, H., coords. Effects of recreation on Rocky Mountain wildlife: a review for Montana. Committee on Effects of Recreation on Wildlife, Montana Chapter of The Wildlife Society. pp 5.1-5.25.

Warren Jr., M.L.; Burr, B.M. 1994. Status of freshwater fishes of the United States: overview of an imperiled fauna. Fisheries. 19(1): 6-18.

Waters, Thomas F. 1995. Sediment in streams. Bethesda, MD: American Fisheries Society. 251 p.

Watters, G.T. 1995. A guide to the freshwater mussels of Ohio. Revised 3rd edition. Columbus, OH: Ohio Department of Natural Resources, Division of Wildlife. 122 p.

Weaver, G.T.; Ashby, W.C. 1971. Composition and structure of an old-growth forest remnant in unglaciated southwestern Illinois. American Midland Naturalist. 86:46-56.

Webster, J. Dan. 1998. Henslow's sparrow *Ammodramus henslowii*. pp. 312-313 in: Castrale, J.S.; Hopkins, E.M.; Keller, C.E., eds. Atlas of breeding birds of Indiana.

Indiana Department of Natural Resources, Division of Fish and Wildlife, Nongame and Endangered Wildlife Program.

Webster's New Collegiate Dictionary. 1979. Springfield, MA: G. & C. Merriam Company. 1531 p.

Webster's New 20th Century Dictionary. 1983. New York: Simon and Schuster. 2129 p.

Weigel, Dale R.; Parker, George R. 1997. Tree regeneration response to the group selection method in southern Indiana. *Northern Journal of Applied Forestry* 14(2):90-94.

Welch, David; Croissant, Cynthia; Evans, Tom; *et al.* 2001. A social assessment of Hoosier National Forest: Bloomington, IN: Indiana University, Center for Study of Institutions, Populations, and Environmental Change. Collaborative report series no. 2, 84 p.

Wentworth, J.M.; Johnson, A.S.; Hale, P.E. 1990. Influence of acorn abundance on white-tailed deer in the Southern Appalachians. In: McGee, C.E., ed. *Proceedings of the workshop: Southern Appalachian mast management; 1989 August 14-16; Knoxville, TN.* U.S. Department of Agriculture, Forest Service, Southern Region, Cherokee National Forest. pp. 2-6.

Wernex, Joe. 1994. *Off-highway motorcycle and ATV trails: guidelines for design, construction, maintenance and user satisfaction.* 2d.ed. Pickerington, OH: American Motorcycle Association. 55 p.

Westbrooks, R. 1998. *Invasive plants, changing the landscape of America: Fact book.* Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW), Washington, D.C. 109 p. Also available online at <http://www.denix.osd.mil/denix/Public/ES-Programs/Conservation/Invasive/intro.html>.

Whelan, R.J. 1995. *The ecology of fire.* New York: Cambridge University Press. 346 p.

Whiles, M.R.; Garvey, J.E. 2004. Freshwater resources in the Hoosier-Shawnee ecological assessment area. In: Thompson, Frank R. III, ed. *The Hoosier-Shawnee ecological assessment.* Gen. Tech. Rep. NC-244. St. Paul, MN: U. S. Department of Agriculture, Forest Service, North Central Research Station. pp. 81-108. 267 p.

Whitaker, J.O. 2004. Prey selection in a temperate zone insectivorous bat community. *Journal of Mammalogy*. 85:460-469.

Whitaker, J.O.; Brack, V. Jr. 2002. Distribution and summer ecology in Indiana. Pp. 48-54. In: Kurta, A; Kennedy, J. eds. *The Indiana bat: Biology and management of an endangered species.* Austin, TX: Bat Conservation International.

Whitaker, J.O.; Brack, Jr., V.; Cope, J.B. 2002. Are bats in Indiana declining? *Proceedings of the Indiana Academy of Science*. 111:95-106.

Whitaker, J.O.; Cope, J.B.; Brack, Jr., V. 2003. Bats of Wyandotte Cave, Crawford County, Indiana. *Proceedings of the Indiana Academy of Science*. 112:75-84.

- Whitaker, J.O.; Gummer, S.L. 2001. Bats of the Wabash and Ohio River basins of southwestern Indiana. *Proceedings of the Indiana Academy of Science*. 110:126-140.
- Whitaker, J.O.; Pruitt, L.; Pruitt, S.E. 2001. The gray bat, *Myotis grisescens*, in Indiana. *Proceedings of the Indiana Academy of Science*. 110:114-122.
- Whitehead, D. R. 1992. Factors influencing the reproductive success of Neotropical migrant landbirds in south-central Indiana: the effect of landscape pattern and wildlife management activities. Report submitted to The National Fish and Wildlife Foundation.
- Whitehead, D.R. 1998a. Black-throated green warbler. Pages 364-365 In: Castrale, J.S.; Hopkins, E.M.; Keller, C.E., eds. *Atlas of Breeding Birds of Indiana*. Indiana Department of Natural Resources, Division of Fish and Wildlife, Nongame and Endangered Wildlife Program.
- Whitehead, D.R. 1998b. Pine Warbler. Pages 256-257 In: Castrale, J.S.; Hopkins, E.M.; Keller, C.E., eds. *Atlas of Breeding Birds of Indiana*. Indiana Department of Natural Resources, Division of Fish and Wildlife Nongame and Endangered Wildlife Program.
- Whitehead, D.R. 2004. Personal communication. Email on file with: Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, IN 47421.
- Whitney, Gordon G. 1987. Some reflections on the value of old-growth forests, scientific and otherwise. *Natural Areas Journal* 7(3):92-99.
- Wiebaker, C.; Baker, C.D.; Forsyth, B.J.; *et al.* 1985. The freshwater naiads, Bivalvia: Unionidae, of the Blue River, a Southern Indiana tributary of the Ohio River. *Proceedings of the Indiana Academy of Science* 94:687-691.
- Wiedmer, Michael. 2002. Lower Kenai Peninsula summer off-road vehicle trail stream crossings (draft report). Anchorage, AK: Department of Fish and Game, Habitat and Restoration Division.
- Wiens, John A.; Rotenberry, John T. 1981. Censusing and the evaluation of avian habitat occupancy. In: Ralph, C.J.; Scott, J.M., eds. *Estimating numbers of terrestrial birds*. *Studies in Avian Biology*. 6. pp 522-532
- Wilcox, A.; Murphy, D.D. 1985. Conservation strategy: the effects of fragmentation on extinction. *American Naturalist*. 125:879-887.
- Wilde, S.A.; Youngberg, C.T.; Hovind, J.H. 1950. Changes in composition of ground water, soil fertility, and forest growth produced by the construction and removal of beaver dams. *Journal of Wildlife Management*. 14:123-127.
- Williams, G.W. 2000. Introduction to aboriginal fire use in North America. *Fire Management Today*. 60(3): 8-12.
- Williams, J.; Schuster, G.A. 1989. *Freshwater mussel investigations of the Ohio River: mile 317.0 to mile 981.0*. Frankfort, KY: Kentucky Department of Fish and Wildlife Resources. 57 p.

- Williams, J.D.; Warren, M.L., Jr.; Cummings, K.S.; *et al.* 1993. Conservation status of freshwater mussels of the United States and Canada. *Fisheries*. 18(9):6-22.
- Williamson, Scot. 2005. American woodcock initiative takes flight. *Outdoor News Bulletin*. Wildlife Management Institute. Vol. 10, No. 10. Available online at: <http://www.wildlifemanagmentinstitute.org/>.
- Wilshire, H.; Shipley, S.; Nakata, J. 1978. Impacts of off-road vehicles on vegetation. Reprinted from transactions of the 43rd North American wildlife and natural resources conference.
- Wilson, D.E.; Ruff, S. eds. 1999. *The Smithsonian book of North American mammals*. Washington, DC: Smithsonian Institution. 750 p.
- Wilson, George R. 1919. *Early Indiana trails and surveys*. Indianapolis: Indiana Historical Society Publications. 6(3). 114 p.
- Wing, L. 1943. Spread of the starling and English sparrow. *Auk*. 60:74-87.
- Winslow, Donald E.; Whitehead, Donald R. 2003 (unpublished). An experimental investigation of the effects of logging on success of Acadian flycatcher (*Empidonax virescens*) nests in Yellowwood State Forest. Bloomington, IN: Indiana University, Department of Biology. 40 p. Available online on NaturServe.
- Winter, M.; Faaborg, J. 1999. Patterns of area sensitivity in grassland-nesting birds. *Conservation Biology*. 13:1424-1436.
- Wisdom, M.J.; Ager, Alan A.; Preisler, H.K.; *et al.* 2004. Effects of off-road recreation on mule deer and elk. Transactions of the 69th North American Wildlife and Natural Resources Conference. Spokane, WA.
- Woolf, A.; Norris, R.; Kube, J. 1984. Evaluation of ruffed grouse reintroductions in southern Illinois. *Proceedings of the Midwest Fish and Wildlife Conference*. 45:59-74.
- Yahner, R.H. 1995. *Eastern deciduous forest: ecology and wildlife conservation*. Minneapolis, MN: University of Minnesota Press. 295 p.
- Yahner, R.H. 1997. Long-term dynamics of bird communities in a managed forested landscape. *Wilson Bulletin*. 109:595-613.
- Yahner, Richard H.; Scott, David P. 1988. Effects of forest fragmentation on depredation of artificial nests. *Journal of Wildlife Management*. 52(1):158-161.
- Zhalnin, Andriy Vladimirovich. 2004. Delineation and spatial analysis of ecological classification units for the Hoosier National Forest. Ph.D. dissertation. Lafayette, IN: Purdue University, 267 pp. [On file with Forest Supervisor, Hoosier National Forest, 811 Constitution Ave., Bedford, Indiana 47421.]
- Zhalnin, Andriy V.; Parker, George R. 2005. Presettlement woody vegetation within ecological land type phases of the Hoosier National Forest. Report for the USDA Forest

Service, Hoosier National Forest. West Lafayette, IN: Purdue University, Department of Forestry and Natural Resources.

Zweig, L.D.; Rabeni, C.F. 2001. Biomonitoring for deposited sediment using benthic invertebrates - a test of 4 Missouri streams. *Journal of the North American Benthological Society*. 20:643-657.