

References

Adams, M.B., J.A. Burger, A.B. Jenkins, and L. Zelazny. 2000. Impact of harvesting and atmospheric pollution on nutrient depletion of eastern U.S. hardwood forests. *Forest Ecology and Management* 138:301-319.

Adams, Mary B. 1999. Acidic deposition and sustainable forest management in the central Appalachians, USA, *Forest Ecology and Management*, Volume 122, Issues 1-2, p 17-28.

Adams, Mary B. and J.N. Kochenderfer. 1998. The Fernow Whole-watershed Acidification Study: Soil Chemistry. *In* "The Effects of Acid Deposition on Pennsylvania's Forests." (W.E. Sharpe and J.R. Drohan, eds.) Proceedings of the 1998 PA Acidic Deposition Conference, Vol. 1. Environmental Resources Research Institute, University Park, PA.

Adams, P.W., 1991. Soil Compaction on Woodland Properties. Oregon State University Extension Service. The Woodland Workbook. Extension Circular 1109, Revised January 1991.

Alderman, Leonard. The American Chestnut. American Chestnut Foundation. Downloaded from American Chestnut Foundation Website on January 14, 2005.

Allen, T.J. 1997. The Butterflies of West Virginia and Their Caterpillars. University of Pittsburgh Press, Pittsburgh, PA 15261

Allen, T.J. and R.E. Acciavatti. 2002. Tiger Beetles of West Virginia. West Virginia Division of Natural Resources Wildlife Resources Section.

Andrew, Jonathan M.; J. A. Mosher, 1982. Bald Eagle Site Selection and Nesting Habitat in Maryland. *Journal of Wildlife Management*.

Anthony, Robert G.; F.B. Isaacs. 1989. Characteristics of Bald Eagle Nest Sites in Oregon. *Journal of Wildlife Management*.

Arthur, M. A., G. D. Coltharp, and D. L. Brown, 1998. Effects of Best Management Practices on Forest Streamwater Quality in Eastern Kentucky. *Journal of the American Water Resources Association*. 34(3): 481-495.

Bailey, R.W. and K.T. Rinell. 1968. History and management of the wild turkey in West Virginia. West Virginia Department of Natural Resources, Bulletin #6.

Bailey, S.W., S.B. Horsley, and R.P. Long. 2005. Thirty years of change in forest soils of the Allegheny Plateau, Pennsylvania. *Soil Sci. Soc. Am. J.* In Process.

Bailey, S.W., S.B. Horsley, R.P. Long, and R.A. Hallett. 2004. Influence of edaphic factors on Sugar Maple nutrition and health on the Allegheny Plateau. *Soil Sci. Soc. Am. J.* 68:243-252.

Bard Jane, 2005. Personal Communication. South Zone Silviculturist Gauley Ranger District. Monongahela National Forest .

Beneski, and J.T. and D.W. Stinson. 1987. *Sorex palustris*. Mammalian Species. No. 296. pp. 1-6.

Bjornn, T.C. and D.W. Reiser, 1991. Habitat Requirements of Salmonids in Streams. Influences of Forest Rangeland Management on Salmonid Fishes and Their Habitats. William R. Meehan, Editor. American Fisheries Society Special Publication 19:83-138.

Brady, N.C. and R.R. Weil. 2002. The nature and properties of soils, 3rd ed. Prentice Hall, New Jersey

Brown, W.S. 1993. Biology, status, and management of timber rattlesnake (*Crotalus horridus*): A guide for conservation. *Soc. Study Amph. Rept., Herp. Circ.* 22: 1-72.

Buckelew, A.R., Jr. and G. A. Hall. 1994. The West Virginia Breeding Bird Atlas. University of Pittsburgh Press. pp. 43 & 151.

Burger, J.A., et. al. 1985. Impact of tracked and rubber-tired tractors on a forest soil. *Amer. Soc. of Agric. Engineers.* Paper No. 83-1621.

Chen, J. 1991. Edge effects: microclimatic pattern and biological responses in old-growth Douglas-fir forests. Seattle: Univ. Wash. Ph.D. dissertation, 174 pp

Coats, Robert, 1999. Forest Hydromythology: Myths and Misconceptions about Forests, Rainfall and Streamflow. Proceedings of the Seventh Biennial Watershed Management Conference, Charles W. Slaughter, editor. Water Resources Center Report No. 98, University of California, Davis.

Cronan, C.S., and Grigal, D.F. 1995. Use of Calcium/Aluminum ratios as indicators of stress in forest ecosystems. *J. Environ. Quality.* 24:209-226.

Cryan, P.M., M.A. Bogan and J.S. Altenbach. 2000. Effect of Elevation on Distribution of Female Bats in the Black Hills, South Dakota. *Journal of Mammalogy*, 81(3): 719-725.

Daniel, Theodore W., John A. Helms, and Frederick S. Baker. 1979. Principles of Silviculture. McGraw Hill Book Company, New York. p. 149

DeCalesta, D.S. 1994. Effects of white-tailed deer on songbirds within managed forest in Pennsylvania. *J. Wildl. Management*, 58(4):711-718.

DeGraaf, R.M., V.E. Scott, R.H. Hamre, L. Ernst, and S.H. Anderson. 1991. Forest and rangeland birds of the United States. USDA Agricultural Handbook 688. 625 pp.

DeGraaf, R.M. and M. Yamasaki. 2001. New England wildlife: habitat, natural history and distribution. University Press of New England, Hanover, NH. 482 pp.

DeMaynadier, P.G. and M.L. Hunter 1995. The relationship between forest management and amphibian ecology. A review of the North American Literature. *Environ. Review* 3:230-261.

DeMeo, T.E. 1999. Forest songbird abundance and viability at multiple scales on the Monongahela National Forest, West Virginia. PhD dissertation, West Virginia University, Morgantown. 159 pp.

Dickson, J.G. 1990 Oak and flowering dogwood fruit production for eastern wild turkeys. IN: W.M. Healy, G.B. Healy, eds. Proc. 6th National Wild Turkey Symposium: National Wild Turkey Federation: 90-95.

Donovan, T.M., R.H. Lamberson, A. Kimber, F.R. Thompson, J. Faaborg. 1995. Modeling the effects of habitat fragmentation on source and sink demography of neotropical migrant birds. *Conservation Biology*. 9(6):1396-1407.

Douglas, James E. and Wayne T. Swank, 1972. Streamflow Modification Through Management of Eastern Forests. Southeastern Forest Experiment Station, USDA Forest Service Research Paper SE-94, 15 pp.

Drohan, J.R. and W.E. Sharpe. 1997. Long-term changes in forest soil acidity in Pennsylvania, U.S.A. *Water, Air, and Soil Pollution* 95:299-311.

Duffield, Dan, 1999. Personal communication. USDA Forest Service, Region 4 Fish Program Leader.

Duncan, S.H., R.E. Bilby, J.W. Ward, and J.T. Heffner, 1987. Transport of Road-surface Sediment Through Ephemeral Stream Channels. *Water Resources Bulletin*. Vol. 23, No. 1. Feb. 1987. pp. 113-119.

Edwards, Pamela, 2002. Personal communication. USDA Forest Service, Northeastern Research Station, Research Hydrologist.

EPA (U.S. Environmental Protection Agency). 1998. National air quality and emissions trends report. EPA 454/R-00-003.

Federer, C.A., J.W. Hornbeck, L.M. Tritton, C.W. Martin, R.S. Pierce, and C.T. Smith. 1989. Long-term depletion of calcium and other nutrients in Eastern US forests. *Environmental Management* 13(5):593-601.

- Fernandez, I.J., et al. 2003. Experimental acidification causes soil base-cation depletion at the Bear Brook Watershed in Maine. *Soil Sci. Soc. Am. J.* 69:1909-1919.
- Flebbe, Patricia A., and C. Andrew Dolloff, 1995. Trout Use of Woody Debris and Habitat in Appalachian Wilderness Streams of North Carolina. *North American Journal of Fisheries Management* 15:579-590, 1995. American Fisheries Society.
- Forman, R.T.T., M. Gordon. 1986. *Landscape Ecology*. John Wiley & Sons, New York. 619 pp.
- Franklin, J.F., R.T.T. Forman. 1987. Creating landscape patterns by forest cutting: ecological consequences and principles. *Landscape Ecology*. 1:5-18.
- Gbondo-Tugbwaa, S.S. and C.T. Driscoll. 2002. Retrospective analysis of the response of soil and stream chemistry of a northern forest ecosystem to atmospheric deposition controls from the 1970 and 1990 amendments of the Clean Air Act. *Environ. Sci. Technol.* 36: 4717-4720.
- Green, N.B. and T.K. Pauley. 1987. Amphibians and reptiles in West Virginia. University of Pittsburgh Press in Cooperation with West Virginia Division of Natural Resources. 239 pp.
- Harvey, M.J., J.S. Altenbach, and T.L. Best. 1999. *Bats of the United States*. Arkansas Game and Fish Commission. 64 pp
- Hatchell, G.E., C.W. Ralston. 1971. Natural Recovery of Surface Soils Disturbed in Logging. *Tree Planters Notes* 2292: 5-9.
- Hicks, B.J., J.D. Hall, P.A. Bisson, and J.R. Sedell, 1991. Responses of Salmonids to Habitat Changes. Influences of Forest Rangeland Management on Salmonid Fishes and Their Habitats. William R. Meehan, Editor. American Fisheries Society Special Publication 19:483-517.
- Hornbeck, J. W., 1973. Storm Flow from Hardwood-Forested and Cleared Watersheds in New Hampshire. *Water Resources Research* 9(2): 346-354.
- Hornbeck, James W. and James N. Kochenderfer, 2000. Linkages Between Forests and Streams: A Perspective in Time. In, *Riparian Management in Forests of the Continental Eastern United States*. Elon S. Verry, James W. Hornbeck and C. Andrew Dolloff, editors. Lewis Publishers and CRC Press LLC, Boca Raton, Florida. Pages 89-98.
- Hornbeck, J. W., C. W. Martin, and C. Eagar, 1997. Summary of Water Yield Experiments at Hubbard Brook Experimental Forest, New Hampshire. *Can. J. For. Res.* 27: 2043-2052.

Houston, David R. and James T. O'Brien. Northeastern Arae. Beech Bark Disease. Forest & Insect Disease Leaflet 75. 1983

Jenkins, Anthony Blaine (2002). Organic Carbon and Fertility of Forest Soils on the Allegheny Plateau of West Virginia, West Virginia University, [On-line Abstract]. Available: https://etd.wvu.edu/etd/etdDocumentData.jsp?jsp_etdId=2486

Johnson, C.E. 2002. Cation exchange properties of acid forest soils of the northeastern USA. *European Journal of Soil Science* 53:271-282

Kochenderfer, J. 1977. Area in Skidroads, Truck Roads, and Landing in Central Appalachians. *Journal of Forestry*. Pg. 507-508.

Kochenderfer, J. and Edwards, P. 1997. Hydrologic Impacts of Logging an Appalachian Watershed Using West Virginia's Best Management Practices. *North. J. Appl. For.* 14(4) 207-218.

Kozlowski, T.T. 1999. Soil compaction and growth of woody plants. *Scand. J. For. Res.* 14: 596-619, 1999.

Laurence, W.F. and E. Yensen. 1991. Predicting the impacts of edge effects in fragmented habitats. *Bird Conservation* 55:77-92

Lawrence, G.B. and Huntington, T.G. USGS Report WRIR 98-4267. February 1999. Soil Calcium Depletion Linked to Acid Rain and Forest Growth in the Eastern United States.

Lull, Howard W. and Kenneth G. Reinhart, 1967. Increasing Water Yield in the Northeast by Management of Forested Watersheds. Northeastern Forest Experiment Station, U.S. Forest Service Research Paper NE-66. 45 pp.

Markewitz, D., et al. 1998. Three decades of observed soil acidification in the Calhoun Experimental Forest: Has acid rain made a difference? *Soil Sci. Soc. Am. J.* 62:1428-1439.

Martin, W.H., 1992. Phenology of the timber rattlesnake (*Crotalus horridus*) in an Unglaciaded section of the Appalachian Mountains. In *Biology of the Pit Vipers*, ed. J.A. Campbell and E.D. Brodie Jr., Tyler, Tex.: Selva.

McEwan, Linda C.; D.H. Hirth., 1979. Southern Bald Eagle Productivity and Nest Site Selection. *Journal of Wildlife Management*.

McManus, M., N. Schneeberger, R. Reardon, and G. Mason. Rev. 1989. Gypsy Moth. Forest Insect & Disease Leaflet 162. USDA Forest Service.

McShea, W.J. and J.H. Rappole. 1994. Forest understory, white-tailed deer and understory dependent species. In *The Science of overabundance: The ecology of*

unmanaged deer populations. Conservation & Research Center, Smithsonian Institution, Front Royal, VA, Nov. 10 & 11.

Miller, T.O. 1975. Factors influencing black bear habitat selection on Cheat Mountain, West Virginia. Thesis, West Virginia University.

National Atmospheric Deposition Program (NADP). 2005. National Atmospheric Deposition Program. <<http://nadp.sws.uiuc.edu/>>.

Pagels, J.F., L.A. Smock, and S.H. Sklarew. 1998. The water shrew, *Sorex palustris* Richardson (Insectivora: Soricidae), and its habitat in Virginia. *Brimleyana*. 25:120-134.

Parker, Skinner, Gouli, and Teillon, 2002. Cold Temperatures. Will They Limit Range Expansion? In Proceedings: Hemlock Woolly Adelgid in the Eastern United States Symposium, 2002

Patric and Smith, 1975.

Pauley, T. 1997. Personal communication. (with Jo Wargo) Professor, Marshall University.

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

Petranka, J.W., M.E. Eldridge, and K.E. Haley. 1993. Effects of timber harvesting on southern Appalachian salamanders. *Conser. Bio.* 7(2):363-370.

Ranney, J.W., H.C. Bruner, and J. Levenson. 1981. The importance of edge in the structure and dynamics of forest islands. In R.L. Bergus and D.M. Sharpe (eds.) *Forest Island Dynamics in Man-Dominated Landscapes*. New York: Springer-Verlag, pp. 67-95.

Reger, D.B. West Virginia Geologic Survey: Nicholas County. Wheeling News Litho. Co.: Wheeling, WV. 1921.

Reinert, H.K., and R.T. Zappalorti. 1998a. Timber rattlesnakes (*Crotalus horridus*) of the Pine Barrens: Their movements patterns and habitat preferences. *Copeia* 1988: 964-978.

Reinhart, K.G., A.R. Eschner, and G.R. Trimble Jr., 1963. Effect on Streamflow of Four Forest Practices in the Mountains of West Virginia. Research Paper NE-1. Upper Darby, PA: U.S. Dept. of Agriculture, Forest Service, Northeastern Forest Experiment Station. 79 p.

Robbins, C. 1979. Effects of forest fragmentation on bird populations. In: DeGraaf, R.M. and Evans, K.E. eds. *Management of north-central and northeastern forests for*

nongame birds. Gen. Tech. Rep. NC-51, St. Paul, MN: U.S. Dept. of Agriculture, Forest Service, North Central Forest Experiment Station, pp. 198-212.

Robinson, W.L. and E.G. Bolen. 1984. Wildlife Ecology and Management. MacMillan Publishing Company, pp. 208-226.

Schnably, Jamie .2003. Soil characterization, classification, and biomass accumulation in the Otter Creek Wilderness. Master's Thesis, West Virginia University, [On-line Abstract]. Available: https://etd.wvu.edu/etd/etdDocumentData.jsp?jsp_etdId=3215

Romme, R.C., K. Tyrell, and V. Brack. 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 pp.

Smith, David M. 1986. The Practice of Silviculture, Eighth Edition. John Wiley & Sons, pp. 429-430

Smith, R.L. 1988. Is clearcutting hardwoods good for wildlife? In: Proceedings Sixteenth Annual Hardwood Symposium of the Hardwood Research Council. Cashiers, NC, May 15-18.

Sparks, D.L. 2003. Environmental Soil Chemistry. 2nd ed. Academic Press, San Diego.
Tracy, Linda, Monongahela National Forest Geologist. 2005. Personal Communication.

Stauffer Jr., Jay R., Jefferey M. Boltz and Laura R. White, 1995. The Fishes of West Virginia. Reprinted from the Proceedings of the Academy of Natural Sciences of Philadelphia 146:1-389 (1995).

Stihler, C. WVDNR. Personal communications regarding Allegheny woodrat, Indiana and Virginia big-eared bats, Virginia northern flying squirrel.

Swank, W.T., J.M. Vose and K.J. Elliott, 2001. Long-term Hydrologic and Water Quality Responses Following Commercial Clearcutting of Mixed Hardwoods on a Southern Appalachian Catchment. Forest Ecology and Management 143 (2001), 163-178.

Swift Jr., L.W., 1984. Gravel and Grass Surfacing Reduces Soil Loss from Mountain Roads. Forest Sci., Vol. 30, No. 3, 1984, pp. 657-670.

Temple, S.A. 1984. Predicting impacts of habitat fragmentation on forest birds: a comparison of two models. in Verner, J., M.L. Morrison, and C.J. Ralph, eds. Wildlife 2000: Modeling habitat relationships of terrestrial vertebrates

Tilghman, N.G. 1989. Impacts of white-tailed deer on forest regeneration in northwestern Pennsylvania. Journal Wildlife Management 53:524-532.

Todd, C.S.; Young, L.S.; Owen, R.B.; F.J. Gramlich., 1982. Food habits of bald eagles in Maine (*Haliaeetus leucocephalus*, Endangered Species). *Journal of Wildlife Management*.

Tolin, W. USDI F&W Service. Personal communication re: the green floater, and the Va. northern flying squirrel.

Trieu, P.L., 1999. Excerpts from M.S. Thesis, Assessment of Physicochemical and Biological Effects of Two Types of Road Surface on Adjacent Streams. M.S. Thesis, The Pennsylvania State University. xi + 102 pp.

U.S. Census Bureau, Census 2000

U.S. Fish and Wildlife Service, 1982. Habitat Suitability Index Models: Brook Trout. Biological Services Program and Division of Ecological Services, FWS/OBS-82/10.24, September, 1982. 44 pp.

U.S. Geological Survey. 1999. Soil-calcium depletion linked to acid rain and forest growth in the eastern United States. USGS 98-4267.

USDA Forest Service. 2000. Final Environmental Impact Statement. Fernow Experimental Forest.

USDA Forest Service. 2003. Map showing Hemlock Woolly Adelgid Infestations. Map produced 01/20/04.

USDA Forest Service. Northeastern Area, Morgantown, WV. Map showing *Laricobius nigrinus* and *Sasajiscymnus tsugae* release locations update as of July 20, 2004.

USDA Forest Service. Northeastern Area. Pest Alert Hemlock Woolly Adelgid. NA-PR-09-05.

USDA Natural Resource Conservation Service. 1992. Nicholas County Soil Survey.

USDA-FS. 2002b. Forest Service Handbook 2509.18 *Soil Management Region 9 supplement of Chapter 2: Soil Quality Monitoring* 7 pp.

Youngberg, C.T., & A.G. Wollum, II. 1970. Non-leguminous symbiotic nitrogen fixation. In: Youngberg, C.T. & C.B. Davey, eds. Ppg. 383-395.

U.S. Fish And Wildlife Service. 1990. Appalachian Northern Flying Squirrels. (*Glaucomys sabrinus fuscus*) (*Glaucomys sabrinus coloratus*) Recovery Plan. USFWS, Region 5, Newton Corner, MA

U.S. Fish and Wildlife Service, 1996. Preliminary Revised Draft, Recovery Plan for the Indiana bat. Washington, D.C. 31 pp.

U.S. Fish and Wildlife Service, 1997. Biological Opinion on the effects of the new missions on Indiana bat, gray bat, and bald eagle in accordance with Section 7 of the Endangered Species Act (ESA) of 1973, as amended, (16 U.S.C. 1531 et seq.), 104 pp.

U.S. Fish And Wildlife Service. 2001. Appalachian Northern Flying Squirrels. (*Glaucomys sabrinus fuscus*) (*Glaucomys sabrinus coloratus*) Recovery Plan (Updated). USFWS, Region 5, Newton Corner, MA

U.S. Fish and Wildlife Service. 2001. Guidelines for Habitat Identification and Management from the Recovery Plan for the Appalachian Flying Squirrel.

U.S. Forest Service. September 2001. Revised Biological Assessment for Threatened and Endangered Species on the Monongahela National Forest, pp. 140.

U.S. Fish and Wildlife Service, 2002. *Biological Opinion* on the Impacts of Forest Management and Other Activities to the Indiana Bat on the Monongahela National Forest, West Virginia, US Fish and Wildlife Service. March 26, 2002

USDI Fish and Wildlife Service (Region 5 West Virginia Field Office). 2002. Biological Opinion for the Monongahela National Forest. Letter of 05/03/02, 26 pages.

Waller, D.M., and W.S. Alverson. 1997. The white-tailed deer: A keystone herbivore. *Wildlife Society Bulletin* 25:217-226.

Waters, Thomas F., 1995. Sediment in Streams: Sources, Biological Effects and Control. *American Fisheries Society Monograph* 7.

Weeden, Shelton, Li, and Hoffman, editors. *Biological Control: A Guide to National Enemies in North America*. Entomophaga maimaiga. Cornell University. Taken from Hajek, Ann E. (1996) Entomophaga maimaiga: A Fungal Pathogen of Gypsy Moth. Downloaded on January 14, 2005.

West Virginia Division of Forestry, 2002. Best Management Practices for Controlling Soil Erosion and Sedimentation from Logging Operations in West Virginia. Publication WVDOF-TR-96-3 (August 2002). 29 pp.

Whitaker, Jr., J.O., and W.J. Hamilton, Jr. 1998. Mammals of the eastern United States, Third Edition. Cornell University Press, Ithaca, NY. 583 pp.

Wilson, D.E. and S. Ruff. 1999. The Smithsonian book of North American mammals. Smithsonian Institution Press, Washington, D.C. 750 pp.

Wunz, G.A. 1989. Timber management and its effects on wild turkey. *In* Proceedings of the 1989 Penn State Forest Resources Issues Conference: Timber Management and Its Effects on Wildlife. April 4-6, 1989. Pennsylvania State University, University Park, PA.

Wunz, G.A. 1990. Relationship of wild turkey populations to clearings created for brood habitat in oak forests in Pennsylvania. In Proceedings of the Sixth National Wild Turkey Symposium, 26 February – March 1, 1990; Charleston, SC.