



- Abrams, M. D., and J. A. Downs. 1990. Successional replacement of old-growth white oak by mixed mesophytic hardwoods in southwestern Pennsylvania. *Can. J. For. Res.* **20**:1864-1870.
- Abrams, M. D., and G. J. Norwacki. 1992. Historical variation in fire, oak recruitment, and post-logging accelerated succession in central Pennsylvania. *Bull. Torrey Bot. Club* **119**:19-28.
- Abrams, M. D., and D. A. Orwig. 1994. Temperate Hardwoods, in *Encyclopedia of Agricultural Science*, Vol. 1. Academic Press Inc. San Diego, CA. p.284-301.
- Airola, T. M., and K. Buchholz. 1982. Forest community relationship of Greenbrook Sanctuary, New Jersey. *Bull. Torrey Bot. Club* **109**:205-218.
- Anderson, R. S. 1971. Butterflies of the serpentine barrens of Pennsylvania. *Ent. News* **81**: 5-12.
- Aguilar, R., and R.W. Arnold. 1985. Soil-landscape relationships of a climax forest in the Allegheny High Plateau, Pennsylvania. *Soil Sci. Soc. Amer.* **49**:695-701.
- Barbour, M., and E. Billings, eds. 1988. *North American terrestrial vegetation*. Cambridge U. Press. NY.
- Barbour, M. G., J. H. Burke, and W. D. Pitts. 1987. *Terrestrial Plant Ecology*. Second Edition. Benjamin/Cummings Publ. Co. Menlo Park, CA.
- Barton, A. M., and M. D. Wallenstein. 1998. Effects of invasion of *Pinus virginiana* on soil properties in serpentine barrens in southeastern Pennsylvania. *J. Torrey Bot. Soc.* **124**: 297-?.
- Bell, D. T. 1980. Tree stratum composition and distribution in the streamside forests. *Amer. Midl. Nat.* **92**:35-46.
- Better, H., and R. E. Loeb. 1985. Arboreal relationships on limestone and gneiss in northern New Jersey and southeastern New York. *Bull. Torrey Bot. Club* unpublished report (38 p.)g **110**:370-379.
- Berdine, A. 1998. *Maryland Vegetation Classification*. Unpublished report (38 p.), MD Wildlife and Heritage Division, MD Department of Natural Resources.
- Bernard, J. M., F. K. Seischab, and H. G. Gauch. 1983. Gradient analysis of the vegetation of the Byron-Bergen swamp, a rich fen in western New York. *Vegetatio* **53**: 85-91.
- Bissell, J. K., and C. W. Bier. 1987. *Presque Isle State Park: Botanical Survey and Natural Community Classification*. The Cleveland Museum of Natural History and Western Pennsylvania Conservancy, Pittsburgh, PA.
- Boyer, M. L. H., and B. D. Wheeler. 1989. Vegetation patterns in spring-fed calcareous fens: calcite precipitation and constraints on fertility. *J. Ecology* **77**:597-609.
- Bratton, S. P, J. R. Hapeman, and A. R. Mast. 1994. The Lower Susquehanna River Gorge and Floodplain (USA) as a Riparian Refugium for Vernal, Forest-Floor Herbs. *Cons. Biol.* **8(4)**: 1069-1077.
- Braun, E. L. 1950. *Deciduous forests of Eastern North America*. The Free Press. New York.
- _____. 1955. The phytogeography of unglaciated eastern United States and its interpretation. *Bot. Rev.* **21**:297-375.
- Breden, T.F. 1989. A preliminary natural community classification for New Jersey. In, E. F. Karlin (ed.), *New Jersey's Rare and Endangered Plants and Animals*. Institute for Environmental Studies. Ramapo College. Mahwah, NJ.
- Brooks, R. R. 1987. *Serpentine and its vegetation-A multidisciplinary approach*. Ecology, Phytogeography and Physiology Series, Vol. 1. Dioscorides Press, Portland , Oregon.



- Brooks, R. P., E. D. Bellis, and D. E. Arnold. 1987. Wildlife and plant communities of selected wetlands: Pocono region of Pennsylvania. U.S. Department of the Interior- Fish and Wildlife Service, Washington, D.C.
- Brush, G. S. 1982. An environmental analysis of forest patterns. *Am. Sci.* **70**:421-423.
- Brush, G. C., C. Lenk, and J. Smith. 1980. The natural forests of Maryland: and explanation of the vegetation map of Maryland. *Ecol. Monogr.* **50**:77-92.
- Bryant, C. M., W. G. Kimmel, C. A. Miller, and T. C. Moon. 1982. A floristic community survey of the Pine Swamp Natural Area, Mercer County, Pennsylvania. *Proc. of the PA Acad. of Science* **56(2)**:175-180.
- Buckner, E., and W. McCracken. 1978. Yellow poplar, a component of climax forests. *J. Forestry* **76**:421-423.
- Buell, M. F., J. E. Langford, and D. W. Davidson. 1966. The upland forest continuum in northern New Jersey. *Ecology* **47**:416-431.
- Carillon, J. E. 1952. Vegetation and microclimates on north and south slopes of Cushetunk Mountain, New Jersey. *Ecol. Monogr.* **23**:241-270.
- Clancy, K. 1993. A preliminary classification of the natural communities of Delaware. Delaware Natural Heritage Inventory, Div. of Parks and Rec. Dover, DE. 30 p.
- Clark, W. S., Jr. 1946. Effect of low temperatures on the vegetation of the Barrens in central Pennsylvania. *Ecology* **27**:188-189.
- Clark, D., and S. Ware. 1980. Upland hardwood forests of Pittsylvania County Virginia. *Virginia J. Sci.* **31**:28-32.
- Clupper, N. S. 1991. Fire histories for Goat Hill, Nottingham and Chrome barrens. Unpublished, The Nature Conservancy, Philadelphia.
- Community Ecology Working Group. 1997. International classification of ecological communities: Terrestrial vegetation of the United States. The Nature Conservancy.
- Converse, C. K. 1984. TNC element stewardship abstract: Robinia pseudoacacia. The Nature Conservancy. Midwest Regional Office, Minneapolis, MN.
- Cowardin, L. M., V. Carter, F. C. Golet, and E. T. LaRoe. 1979. Classification of wetlands and deepwater habitats of the United States. U.S. Department of the Interior- Fish and Wildlife Service, Washington, D.C.
- Crum, H. A. 1992. A focus on peatlands and peat mosses. University of Michigan Press, Ann Arbor.
- Crum, H. A., and L. E. Anderson. 1981. Mosses of Eastern North America, Volumes I and II. Columbia University Press, New York.
- Davis, A., G. J. Edinger, S. B. Andersen, A. M. Wilkinson, and J. R. Belfonti. 1991. A natural areas inventory of Monroe County, PA. PA Science Office of the Nature Conservancy, Middletown, PA.
- Davis, A. F., G. J. Edinger, T. L. Smith, A. M. Wilkinson, and J. R. Belfonti. 1990. A natural areas inventory of Pike County, PA. PA Science Office of The Nature Conservancy, Middletown, PA.
- Davis, A. F., J. A. Lundgren, B. Barton, J. L. Barton, J. Kunsman, A. M. Wilkinson, and J. R. Belfonti. 1994. A natural areas inventory of Chester County, PA. PA Science Office of The Nature Conservancy, Middletown, PA.
- Davis, M. 1993. Old-growth in the east: A survey. A Wild Earth Publication, Cenozoic Society, Inc., Richmond, VT.
- Day, G. M. 1953. The Indian as an ecological factor in the northeastern forest. *Ecology* **34**: 329-346.
- Dix, E. 1990. Element Stewardship Abstract for Appalachian Shale Barrens. The Nature Conservancy. 1815 North Lynn Street, Arlington VA 22209.



- Donahue, W. H. 1954. Some plant communities in the anthracite region of northern Pennsylvania. *Amer. Midl. Nat.* **51**:203-231.
- Dorsey, R. A. 1987. Goat Hill serpentine barrens, where the over-used adjective "unique" truly applies. *Pennsylvania Forests*. March-April, p. 4-5, 12-13.
- Driscoll, R. S. et al. 1984. An ecological land classification framework for the United States. USDA Forest Service Publication # 1439.
- Dubinsky, E., and R. E. Latham (In prep.). The interdependence of soil depth and vegetation type in eastern temperate serpentine barrens.
- Dudley, J. L. 1984. Comparison of five Pocono Mountain forest communities. Unpublished paper.
- Duppstadt, W. H. 1972. Flora of Bedford County, Pennsylvania Plant Communities. *Castanea* 37:86-95.
- Erdman, K. S., and P. G. Wiegman. 1974. Preliminary List of Natural Areas in Pennsylvania. Western Pennsylvania Conservancy Natural Areas Inventory.
- Eyre, F.H. 1980. Forest Cover Types of the United States and Canada. *Soc. Am. Foresters*. Wash. D.C.
- Fenneman, N. M. 1938. *Physiography of the eastern United States*. McGraw Hill Book Co. New York.
- Ferren, W. R., and E. A. Schuyler. 1980. Intertidal vascular plants of river systems near Philadelphia. *Proc. Acad. Nat. Sci. Phil.* **132**:86-120.
- Forman, R. T., and B. A. Elfstrom. 1975. Forest structure comparison of Hutcheson Memorial Forest and eight old woods on the New Jersey Piedmont. *Wm. L. Hutcheson Mem. For. Bull.* **3**:44-51.
- Foster, D. R. 1992. Land-use history (1730-1990) and vegetation dynamics in central New England, USA. *J. Ecology* **80**:753-772.
- Geyer, A. R., and W. H. Bolles. 1979. Outstanding scenic geological features of Pennsylvania. *Pa. Geol. Survey, Envir. Geology Rept.* 7,
- Goodlett, J. C. 1954. Vegetation adjacent to the border of the Wisconsin Drift in Potter County, Pennsylvania. *Harvard For. Bull.* No. 25.
- Golet, F. C., A. J. K. Calhoun, W. R. DeRagon, D. J. Lowry, and A. J. Gould. 1993. Ecology of red male swamps in the glaciated Northeast: A community profile. U.S. Department of the Interior- Fish and Wildlife Service, Washington, D.C. 151p.
- Golet, F. C., and J. S. Larson. 1974. Classification of freshwater wetlands in the glaciated northeast. Bureau of Sport Fisheries and Wildlife, Washington, D. C.
- Gordon, R. B. 1941 . The natural vegetation of West Goshen Township, Chester County, Pennsylvania. *Acad. Nat. Sci.* **15**:194-199.
- Grossman, D. H., K. L. Goodin, and C. L. Reuss, eds. 1994. Rare plant communities of the coterminous United States: an initial survey. The Nature Conservancy, Arlington, VA.
- Halma, J. R. 1980. The dominant vascular flora of the Tannersville Bog, Monroe County, Pennsylvania. *Proc. PA. Acad. Sci.* **54(1)**:39-42.
- Harshberger, J. W. 1904. A phyto-geographic sketch of extreme southeastern Pennsylvania. *Bull. Torrey Bot. Club* **31**:125-159.



- Kenkel, N. G., P. Juhaz-Nagy, and J. Podani. 1989. On sampling procedures in population and community ecology. *Vegetatio* **83**:195-207.
- Kline, N. L. 1993. Erie county natural heritage inventory. Erie County Department of Planning, Erie, PA.
- Kruckeberg, A. R. 1954. The ecology of serpentine soils III. Plant species in relation to serpentine soils. *Ecology* **35**:267-274.
- Lammert, M., J. Higgins, D. Grossman, and M. Bryer. 1997. A classification framework for freshwater communities. Proceedings of The Nature Conservancy's Aquatic Community Classification Workshop. The Nature Conservancy.
- Latham, R. E. 1992. Draft element stewardship abstract: temperate eastern North American serpentine barrens. Biological Conservation Database. The Nature Conservancy, Arlington, VA.
- _____. 1993. The serpentine barrens of temperate eastern North America: critical issues in the management of rare species and communities. *Bartonia* **57**: Suppl.:61-74.
- Latham, R. E., J. E. Thompson, S. A. Riley, and A. W. Wibiralski. 1996. The Pocono till barrens, shrub savanna persisting on soils favoring forest. *Bull. Torrey Bot. Club* **123**(4):330-349.
- Lindsey, A. A., and L. K. Escobar. 1976. Eastern Deciduous Forest Volume 2, Beech-Maple Region: Inventory of Natural Areas and Sites Recommended as Potential Natural Landmarks. U. S. Dept. of the Interior, National Park Service. Natural History Theme Studies. Number Three.
- Lundgren, J. A. D. S. Cameron, A. F. Davis, B. Barton, J. R. Belfonti, N. Clupper, J. L. Farber, and J. R. Kunsman. 1996. A Natural Areas Inventory of Adams County, Pennsylvania. PA Science Office of the Nature Conservancy, Middletown, PA.
- Lutz, H. J. 1930. The vegetation of Heart's Content, a virgin forest in northwestern Pennsylvania. *Ecology* **11**:1-29.
- Mackey, H. E., and N. Sivec. 1973. The present composition of a former oak-chestnut forest in the Allegheny Mountains of western Pennsylvania. *Ecology* **54**:915-919.
- Majumdar, S. K., R. P. Brooks, F. J. Brenner, and R. W. Tiner, Jr. 1989. *Wetland Ecology and Conservation: Emphasis in Pennsylvania*. The Pennsylvania Academy of Science. Easton, PA.
- Mansburg, L T., and L. Wentworth. 1984. Vegetation and soils of a serpentine barren in western North Carolina. *Bull. Torrey Bot. Club* **111**:273-286.
- Marquis, David A. 1975. *The Allegheny Hardwood Forests of Pennsylvania*. USDA Forest Service General Technical Report NE-15.
- _____. 1989. Forests of the Northeast: History and Future Trends. Proceedings of the 1989 Penn. State Forest Resources Issues Conference.
- Maxwell, J. R., C. J. Edwards, M. E. Jensen, S. J. Paustian, H. Parrott, and D. M. Hill. 1995. A Hierarchical Framework of Aquatic Ecological Units in North America (Nearctic Zone). USFS North Central Forest Experiment Station General Technical Report NC-176.
- McCormick, J., R. R. Grant, Jr., and R. Patrick. 1970. Two studies of Tinicum Marsh, Delaware and Philadelphia Counties, Pennsylvania. The Conservation Foundation.
- McCormick, J. F., and R. B. Platt. 1980. Recovery of an Appalachian forest following the chestnut blight or Catharine Keever—you were right. *Amer. Midl. Nat.* **104**:264-273.



- Mikan, C. J., D. A. Orwig, and M. D. Abrams. 1994. Age structure and successional dynamics of a presettlement-origin chestnut oak forest in the Pennsylvania Piedmont. *Bull. Torrey Bot. Club* **121(1)**:13-23.
- Miller, G. L. 1977. An ecological study of serpentine barrens in Lancaster County Pennsylvania. *Proc. Pennsylvania Acad. Sci.* **51**: 169-176.
- _____. 1981. Secondary succession following fire on a serpentine barren. *Proc. Pennsylvania Acad. Sci.* **55**: 62-64.
- Minc, L. D., and D. A. Albert. 1998. Great Lakes coastal wetlands: abiotic and floristic characterization. Michigan Natural Features Inventory.
- Monk, C. D. 1961. The vegetation of The William L. Hutcheson Memorial Forest, New Jersey. *Bull. Torrey Bot. Club* **88**:156-166.
- Monk, C. D., D. W Imm, G. G. Parker, and R. L Potter. 1989. A classification of the deciduous forests in eastern North America. *Vegetatio* **80**:167-181.
- Monk, C.D., D. W Imm, and R. L Potter. 1990. Oak Forests of Eastern North America. *Castanea* **55(2)**:77-96.
- Motzkin, G. 1994. Calcareous fens of western New England and adjacent New York State. *Rhodora* **96(885)**:44-68.
- Nekola, J. C. 1994. The environment and vascular flora of Northeastern Iowa fen Communities. *Rhodora* **96** (886):121169.
- Nichols, G. E. 1935. The hemlock-white pine -northern hardwoods region of eastern North America. *Ecology* **16**:403-422.
- Niering, W A. 1953. The past and present vegetation of High Point State Park, N. J. *Ecol. Monog.* **23**:127-148
- Nowacki, G. J., and M. D. Abrams. 1992. Community, edaphic, and historical analysis of mixed oak forests of the Ridge and Valley Province in central Pennsylvania. *Canadian J. of For. Res.* **22(6)**: 790p..
- Nowacki, G. J., and M. D. Abrams. 1994. Forest composition, structure, and disturbance history of the Alan Seeger Natural Area, Huntington County, Pennsylvania. *Bull. Torrey Bot. Club* **121(3)**:227-291.
- Orwig, D. A., and M. D. Abrams. 1993. Land-use history (1720-1992), composition and dynamics of oak-pine forests within the Piedmont and Coastal Plain of northern Virginia. *Can. J. For. Res.* **24**:1216-1225.
- O'Toole, A. J., D. Braithwaite, T. Donaldson, and K. Andersen. 1981. A Vegetational Survey of the Allegheny National Forest Summer 1980. *Proceedings of the Pennsylvania Academy of Science* **55**:165-174.
- Parker, A. J. 1985. Compositional gradients in mesophytic forests of eastern North America. *Phys. Geogr.* **6**:247-259.
- Pearson, P R. 1979. Vegetation reconnaissance of three woodland stands on Buckingham Mountain, Bucks County, Pennsylvania. *Bartonia* **46**:71-80.
- _____. 1963. Vegetation of a woodland near Philadelphia. *Bull. Torrey Bot. Club* **90**:171-177.
- _____. 1974. Woodland vegetation of Fort Washington State Park, Pennsylvania. *Bull. Torrey Bot. Club* **101**:101104.
- Pearson, P R. 1979. Arborescent composition of woodlands on diabase in Bucks and Montgomery Counties Pennsylvania. *Bartonia* **44**:1-7.
- Petraitia, P. S., and R. E. Latham. 1998. The importance of scale in testing the origins of alternative community states in ecosystems. *Ecology* (in press).
- Platt, R. B. 1951. An ecological study of the mid-Appalachian shale barrens and the plants endemic to them. *Ecol. Mongr.* **21**:269-300.



- Vankat, J. L. 1979. The natural vegetation of North America: an introduction. Wiley, New York. 1990. A classification of the forest types of North America. *Vegetatio* **88**:53-66.
- Wagner, J. D. 1994. Washington County Natural Heritage Inventory. Western Pennsylvania Conservancy. Pittsburgh, Pennsylvania.
- Wagner, J. D., P. G. Wiegman, C. W. Bier, L. L. Smith, N. L. Kline, C. J. Boget, and B. K. Beck. 1993. Clinton County Natural Heritage Inventory. Western Pennsylvania Conservancy. Pittsburgh, Pennsylvania.
- Walker, P. C., and R. T. Hartman. 1960. The forest sequence of the Hartstown Bog area in western Pennsylvania. *Ecology* **41**:461-474.
- Wallace, R. S., and C. B. Rief. 1983. *Sphagnum* species composition and distribution in the bogs of Nuangola Lake, Luzerne County Pennsylvania. *Proc. of the Pennsylvania Academy of Science* **57**:143-146.
- Ware, S. A. 1982. Polar ordination of Braun's mixed mesophytic forest. *Castanea* **47**:403-407.
- Westerfield, W. F. 1959. Flora of Center and Huntington Counties. PA State U Ag. Exp. Sta. Bulletin 647.
- Western Pennsylvania Conservancy. 1993. Beaver County natural heritage inventory. Western Pennsylvania Conservancy, Pittsburgh, PA.
- Western Pennsylvania Conservancy. 1994. Allegheny County natural heritage inventory. Western Pennsylvania Conservancy, Pittsburgh, PA.
- Western Pennsylvania Conservancy and The Nature Conservancy. 1998. A study of seepage wetlands in Pennsylvania. Western Pennsylvania Conservancy and The Nature Conservancy. Pittsburgh, PA..
- Western Pennsylvania Conservancy and The Nature Conservancy. 1995. A study of calcareous fen communities in Pennsylvania. Western Pennsylvania Conservancy. Pittsburgh, PA.
- Wherry, E. T. 1964. Some Pennsylvania barrens and their flora. *Bartonia* **34**:8-11.
- Whitney, G. G. 1984. Fifty years of change in the arboreal vegetation of Heart's Content, an old-growth hemlock-white pine-northern hardwood stand. *Ecology* **65**:403-408.
- _____. 1990. Multiple pattern analysis of an old-growth hemlock-white pine-northern hardwood stand. *Bull. Torrey Bot. Club* **117**:39-47.
- _____. 1990. The history and status of the hemlock-hardwood forests of the Allegheny Plateau. *J. Ecology* **78**:443-458.
- Whittaker, R. H. 1954. The ecology of serpentine soils IV. The vegetational response to serpentine soils. *Ecology* **35(2)**:275-288.
- Wilson, J. B., and A. D. Q. Agnew. 1992. Positive-feedback switches in plant communities. *Adv. in Ecol. Research* **23**:263-336.
- Windisch, A. G. 1993. Natural community inventory of Picatinny Arsenal, New Jersey. New Jersey Natural Heritage Program
- Yost, E. C., K. S. Johnson, and W F. Blozan. 1994. Delineation of old-growth oak and eastern hemlock in Great Smoky Mountains National Park. *Park Science* **14 (4)**:14-16.