

References Cited

- Aerts, R., J. T. A. Verhoeven, and D. Whigham. 1999. Plant mediated controls on nutrient cycling in temperate fens and bogs. *Ecology* 80: 2170-2181.
- Almquist-Jacobson, H. and D. R. Foster. 1995. Toward an integrated model for raised-bog development: theory and field evidence. *Ecology* 76: 2503-2516.
- Aselmann, I. And P. J. Crutzen. 1989. Global distribution of natural freshwater wetlands, their net primary productivity, seasonality, and possible methane emissions. *Journal of Atmospheric Chemistry* 8: 307-359.
- Bartlett, K. B. and R. C. Harriss. 1993. Review and assessment of methane emissions from wetlands. *Chemosphere* 26: 261-320.
- Bridgham, S. D., C. A. Johnston, J. Pastor, and K. Updegraff. 1995. Potential feedbacks of northern wetlands on climate change. *BioScience* 45: 262-274.
- Bridgham, S. D., J. Pastor, J. A. Janssens, C. Chapin, and T. J. Malterer. 1996. Multiple nutrient limitations in peatlands: a call for a new paradigm. *Wetlands* 16: 45-65.
- Bridgham, S. D., J. Pastor, K. Updegraff, T. J. Malterer, K. Johnson, C. Harth, and J. Chen. 1999. Ecosystem control over temperature and energy flux in northern peatlands. *Ecological Applications* 9: 1345-1358.
- Bridgham, S. D., K. Updegraff, and J. Pastor. 1998. Carbon, nitrogen, and phosphorus mineralization in northern wetlands. *Ecology* 79: 1545-1561.
- Chapin, C. T. 1998. Plant community response and nutrient dynamics as a result of manipulations of pH and nutrients in a bog and fen in northeastern Minnesota. Ph.D. dissertation. University of Notre Dame, Notre Dame, IN.
- Clymo, R. S. 1992. Models of peat growth. *Suo* 43: 127-136.
- Frolking, S. E., J. L. Bubier, T. R. Moore, T. Ball, L. M. Bellisario, A. Bhardwaj, P. Carroll, P. M. Crill, P. M. Lafleur, J. H. McCaughey, N. T. Roulet, A. E. Suyker, S. B. Verma, J. M. Waddington, and G. J. Whiting. 1998. The relationship between photosynthetically active radiation and ecosystem productivity for northern peatlands. *Global Biogeochemical Cycles* 12:115-126.
- Frolking, S., and P. Crill. 1994. Climate controls on temporal variability of methane flux from a poor fen in southeastern New Hampshire: measurement and modeling. *Global Biogeochemical Cycles* 8:385-397.
- Frolking, S., M. L. Goulden, S. C. Wofsy, S-M. Fan, D. J. Sutton, J. W. Munger, A. M. Bazzaz, B. C. Daube, P. M. Crill, J. D. Aber, L. E. Band, X. Wand, K. Savage, T. Moore, and R. C. Harriss. 1996. Modelling temporal variability in the carbon balance of a spruce/moss boreal forest. *Global Change Biology* 2:343-366.
- Frolking, S., N. T. Roulet, T. R. Moore, P. J. H. Richard, and M. Lavoie. *Submitted*. Modeling northern peatland decomposition and peat accumulation. *Global Change Biology*.
- Glaser, P. 1992. Ecological development of patterned peatlands. Pages 27-42 in H. E. Wright, B. A. Coffin, and N. E. Aaseng, editors. *Patterned Peatlands of Minnesota*. University of Minnesota Press, Minneapolis, MN.

- Glaser, G. H., P. C. Bennett, D. I. Siegel, and E. A. Romanowicz. 1996. Palaeo-reversals in groundwater flow and peatland development at Lost River, Minnesota, USA. *The Holocene* 6: 413-421.
- Glaser, P. H., D. I. Siegel, E. A. Romanowicz, A. S. Reeve, and Y-P Shen. 1997. Regional linkages of raised bogs to groundwater flow-systems and climate within the Glacial Lake Agassiz peatlands, northern Minnesota. *Journal of Ecology* 85: 3-16.
- Gorham, E. 1991. Northern peatlands: role in the global carbon cycle and possible responses to climatic warming. *Ecological Applications* 1: 182-195.
- Heinselman, M. L. 1970. Landscape evolution, peatland types, and the environment in the Lake Agassiz Peatland Natural Area, Minnesota. *Ecological Monographs* 40: 235-261.
- Hilbert, D. W., Roulet, N. and Moore, T. *In press*. Modeling and analysis of peatlands as dynamic systems. *Journal of Ecology*.
- Hobbie, S. E. 1996. Temperature and plant species control over litter decomposition in Alaskan tundra. *Ecological Monographs* 66: 503-522.
- Janssen, C. R. 1992. The Myrtle Lake peatland. Pages 223-238 in H. E. Wright, B. A. Coffin, and N. E. Aaseng, editors. *Patterned Peatlands of Minnesota*. University of Minnesota Press, Minneapolis, MN.
- Janssens, J. A., B. C. S. Hansen, P. H. Glaser, and C. Whitlock, 1992. Development of a raised-bog complex. Pages 189-222 in H. E. Wright, B. A. Coffin, and N. E. Aaseng, editors. *Patterned Peatlands of Minnesota*. University of Minnesota Press Minneapolis, MN.
- Malmer, N. 1993. Mineral nutrients in vegetation and surface layers of *Sphagnum*-dominated peat-forming systems. *Advances in Bryology* 5: 223-248.
- Matthews, E., and I. Fung. 1987. Methane emission from natural wetlands: Global distribution, area, and environmental characteristics of sources. *Global Biogeochemical Cycles* 1: 61-86.
- Reichele, D. E. (Editor). 1981. *Dynamic Properties of Forest Ecosystems*. International Biological Programme 23. Cambridge University Press, Cambridge, UK.
- Rydin, H., and R. S. Clymo. 1989. Transport of carbon and phosphorus compounds about *Sphagnum*. *Proceedings of the Royal Society of London* 237: 147-158.
- Updegraff, K., S. D. Bridgham, J. Pastor, and P. Weishampel. 1998. Hysteresis in the temperature response of carbon dioxide and methane production in peat soils. *Biogeochemistry* 43:253-272.
- Updegraff, K., S. D. Bridgham, J. Pastor, P. Weishampel, and C. Harth. *In press*. Ecosystem respiration response to warming and water-table manipulations in peatland mesocosms. *Ecological Applications*.
- Updegraff, K., J. Pastor, S. D. Bridgham, and C. A. Johnston. 1995. Environmental and substrate quality controls over carbon and nitrogen mineralization in a beaver meadow and a bog. *Ecological Applications* 5: 151-163.
- Weltzin, J. F., J. Pastor, C. Harth, S. D. Bridgham, K. Updegraff, and C. T. Chapin. *In press*. Response of bog and fen plant communities to warming and water-table manipulations. *Ecology*.
- Wright, H. E., B. A. Coffin, and N. E. Aaseng, editors. 1992. *Patterned Peatlands of Minnesota*. University of Minnesota Press, Minneapolis, MN.