

## Publications

Radcliffe, D., and M. Cabrera. (in progress) Modeling Phosphorus in the Environment. CRC Press, Boca Raton, FL.

### Tentative table of contents

1. Introduction; *Andrew Sharpley, USDA, University Park, PA*
2. Model balance; *Dan Storm, Oklahoma State University*
3. Basic Approaches: Runoff and Erosion; *Mary Leigh Wolfe, Virginia Polytechnic University, Blacksburg, VA*
4. Basic Approaches: P Sources; *Miguel Cabrera, University of Georgia, Athens, GA*
5. Basic Approaches: Leaching losses; *Nathan Nelson, North Carolina State University, Raleigh, NC*
6. Basic Approaches; In-stream and lake processes; *Bob Heath, Kent State University, Kent, OH*
7. Model uncertainty; *Keith Beven, Lancaster University, Lancaster, UK*
8. SWAT; *Indrajeet Chaubey, University of Arkansas, Fayetteville, AR*
9. AnnAGNPS; *Indrajeet Chaubey, University of Arkansas, Fayetteville, AR*
10. EPIC/GLEAMS; *Steve Hodges, Virginia Polytechnic University, Blacksburg, VA*
11. WENDP; *Stephanie Aschman and Bob Kort, NRCS, Lincoln, NE*
12. HSPF; *David Radcliffe, University of Georgia, Athens, GA*
13. ANSWERS2000; *Faycal Bouraoui and Theo Dillaha, Virginia Polytechnic University, Blacksburg, VA*
14. GWLF; *Elliot Schneiderman, NYC Dept. of Environmental Protection, NY, NY*
15. Manure Planner; *Brad Joern, Purdue University, Purdue, IN*
16. P Index; *Jenifer Weld and Andrew Sharpley, USDA-ARS, University Park, PA*
17. Modeling lakes and streams; *Brian Haggard, USDA-ARS, Fayetteville, AR*
18. Quantifying the effects of phosphorus control BMPs; *Margaret Gitau and Tamie Veith, USDA-ARS, University Park, PA*
19. P Data for Modeling; *R.D. Harmel and Brian Haggard, USDA-ARS, Fayetteville, AR*
20. Suggestions for Future Models; *Steve Hodges, Virginia Polytechnic University, Blacksburg, VA*

### Other Publications from Modeling Workgroup Members

Gburek, W.J., C.C. Drungil, M.S. Srinivasan, B.A. Needelman, and D.E. Woodward. Variable-source-area controls on phosphorus transport: Bridging the gap between research and design. *J. Soil and Water Conserv.* 57:534-543. 2002.

Sharpley, A.N., J.L. Weld, D.B. Beegle, P.J.A. Kleinman, W.J. Gburek, P.A. Moore Jr., and G. Mullins. Development of phosphorus indices for nutrient management planning strategies in the United States. *J. Soil and Water Conserv.* 58:137-152. 2003.

Srinivasan, M.S., P. Gerard-Marchant, T.L. Veith, W.J. Gburek, and T.S. Steenhuis. Identification and modeling of critical source areas of runoff generation and phosphorus transport at a watershed scale. *J. AWRA* (accepted, 6/8/04).

Gitau, M.W., Veith, T.L., Gburek, W. J. Farm-level optimization of BMP placement for cost-effective pollution reduction. *Trans ASAE*. 47:\_\_\_\_-\_\_\_\_. 2004. (accepted, 8/20/04)

Gitau, M.W., W.J. Gburek, and A.R. Jarrett. A Tool for estimating BMP effectiveness for phosphorus pollution control. *J. Soil and Water Conserv.* (accepted, 10/7/04)

Bryant, R.B., W.J. Gburek, T.L. Veith, and W.D. Hively. Improving watershed modeling of phosphorus loss from agricultural lands: A hydrogeological approach. *Geoderma*. (accepted, 12/6/04).