

## Journal Articles

- Boyd, C. E. and A. Gross. 1999. Biochemical oxygen demand in channel catfish *Ictalurus punctatus* pond water. *Journal of the World Aquaculture Society* 30:349-356.
- Boyd, C. E. and A. Gross. 2000. Water use and conservation in inland aquaculture ponds. *Fisheries Management and Ecology* 7:55-63.
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- Boyd, C. E. 2001. Inland shrimp farming and the environment. *World Aquaculture* 32(1):10-12.
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- Cathcart, T. P., J. W. Pote, and D. W. Rutherford. 1999. Reduction of effluent discharge and groundwater use in catfish ponds. *Aquacultural Engineering* 20:163-174.
- Engle, C.R. and D. Valderrama. 2002. The economics of environmental impacts in the United States. In: J. R. Tomasso (ed.) *The Environmental Impact of Aquaculture in the United States*. United States Aquaculture Society, Baton Rouge, LA.
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- Tavares, L. H. S. and C. E. Boyd. 2003. Possible effects of sodium chloride treatment on quality of effluents from Alabama channel catfish ponds. *Journal of the World Aquaculture Society* 34:217-222.
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## Extension Publications

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Romaine, R. 1999. Management of water quality and effluents from aquacultural systems. *Louisiana Agriculture* 42(4):6.

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## Papers Presented

Bodary, M., and N. Stone. 2001. Characterization of baitfish pond effluents and receiving stream water quality in central Arkansas. American Fisheries Society Annual Meeting, Phoenix, AZ, 12 – 16 August.

Bodary, M., and N. Stone. 2002. Characterization of baitfish pond effluents and receiving stream water quality in central Arkansas. Southern Division American Fisheries Society Meeting, Little Rock, AR, 21-24 February.

Bodary, M., N. Stone and S. Lochmann. 2003. Characteristics of central Arkansas baitfish pond effluents. *Arkansas Aquaculture 2003*, Hot Springs, AR. Poster presentation.

Boyd, C. E. 2001. Aquaculture and water pollution. American Water Resources Association, Summer Specialty Conference, Snowbird, Utah.

Boyd, C. E. 2001. Best waste management practices for the shrimp and catfish industries. Aquaculture Waste Management Symposium, Virginia Polytechnic Institute and State University, Roanoke, Virginia.

Boyd, C. E. 2001. Role of BMPs in environmental management of aquaculture. *Aquaculture 2001*, World Aquaculture Society, Orlando, Florida.

Bratvold, D., C. L. Browdy and Y. Avnimelech. 2003. Sedimentation of shrimp pond harvest drainage: when is it beneficial? *Aquaculture America 2003*. Louisville, Kentucky.

Cathcart, T. P., D. W. Rutherford, and J. A. Hargreaves. 2000. Field study for evaluating effluent and groundwater use reduction in catfish ponds. *Water Resources Research Institute Conference Proceedings*, Jackson, Mississippi, April.

Engle, C.R. 2001. Efficient management of catfish farms and best management practices. Presentation and abstract. North American Association of Fisheries Economists, New Orleans, Louisiana.

Frimpong E. A., and S. E. Lochmann. 2000. An evaluation of treatments affecting zooplankton populations for water re-use and effluent reduction. *Aquaculture Field Day*, University of Arkansas at Pine Bluff.

Frimpong E. A., and S. E. Lochmann. 2001. Managing the impact of pond aquaculture on water resources of Arkansas, United States. Second Annual Students' Conference on Conservation Science, University of Cambridge, UK, 27- 30 March.

Frimpong E. A., and S. E. Lochmann. 2001. An evaluation of treatments affecting zooplankton populations for water re-use and effluent reduction. UAPB Student-Faculty Research Forum, Pine Bluff, AR, 14 - 15 March.

Frimpong E. A., and S. E. Lochmann. 2001. An evaluation of treatments affecting zooplankton populations for water re-use and effluent reduction. Joint annual meeting of the American Fisheries Society and the Wildlife Society, Arkansas Chapter, Heber Springs, AR, 6 - 8 February.

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Hargreaves, J. A.. 2001. Research needs to evaluate best management practices for pond aquaculture. *Aquaculture 2001*, World Aquaculture Society, Orlando, Florida.

Hargreaves, J. A., C. S. Tucker, E. R. Thornton, and S. Kingsbury. 2002. Settling characteristics of effluent from levee ponds with internal drainage structures. *Aquaculture America 2002*, San Diego, CA.

- Lutz, G. 2001. Best waste management practices for the alligator, crawfish, and turtle industries. Aquaculture Waste Management Symposium, Roanoke, VA, July 22-24, 2001.
- Parr, L., R. Romaine, G. Lutz, and W. R. McClain. 2003. Best management practices for crawfish aquaculture. Annual Meeting of the Louisiana Chapter of the American Fisheries Society. Baton Rouge, Louisiana, 6-7 February.
- Parr, L., R. Romaine, G. Lutz, and W. R. McClain. 2003. Water discharge models, seasonal effluent mass loading, and best management practices for procambarid crawfish aquaculture. Annual Meeting of the Louisiana Chapter of the American Fisheries Society. Baton Rouge, Louisiana, 6-7 February.
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- Rhodes, R. J. and C. L. Browdy. 2002. Engineering economics of minimal discharge super-intensive shrimp production systems in the continental United States. American Fisheries Society 2002. Baltimore, Maryland.
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- Tucker, C. S., C. E. Boyd, J. A. Hargreaves, N. Stone, and R. P. Romaine. 2000. Effluents from channel catfish aquaculture ponds. Unpublished report prepared by the Technical Subgroup for Catfish Production in Ponds, Joint Subcommittee on Aquaculture - Effluents Task Force, 56 pp.
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- Tucker, C. S., J. A. Hargreaves, and C. E. Boyd. 2002. Characterization and management of effluents from channel catfish ponds. Book of Abstracts – Aquaculture 2002, January 27-30, San Diego, CA.
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- Wui, Y. S. and C. R. Engle. 2003. An economic analysis of proposed effluent treatment in hybrid striped bass aquafarming using mixed integer programming. Aquaculture America 2003, Louisville, Kentucky.
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## **Theses and Dissertations**

- Bodary, M. 2001. Characterization of baitfish pond effluents and receiving stream water quality in central Arkansas. M.S. Thesis, University of Arkansas at Pine Bluff, Pine Bluff, AR.
- Frimpong, E. A. 2001. Analysis of baitfish pond effluents, drainage ditch use, and effects of pond and ditch characteristics on solids. M.S. Thesis, University of Arkansas at Pine Bluff, Pine Bluff, AR.
- Parr, L. D. 2002. Water discharge models, seasonal effluent mass loading, and best management practices for crawfish ponds. Louisiana State University, Baton Rouge, Louisiana.