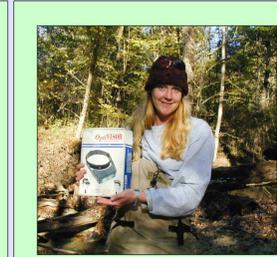


# Stream Ecology Lab

Center for Bottomland Hardwoods Research, Southern Research Station, USDA Forest Service

 Mel Warren Team Leader and Research Biologist	 Susie Adams Research Aquatic Ecologist	 Wendell Haag Research Fishery Biologist	 Gordon McWhirter Hydrologic Technician	 Amy Commens-Carson Biological Science Technician	 Mickey Bland Biological Science Technician	 Andrew Rypel Post-Doctoral Researcher	 Cathy Jenkins Support Services Assistant	 Gayle Henderson IT Specialist
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## Critters

## Field Work

## Laboratory



Two types of burrowing crayfish. Burrows are commonly seen along the edges of ponds and rivers.



Mussel shell thin sections are used in aging mussels. Mussels produce annual rings which may be used to determine age, much like tree rings.



Brightly colored male Yazoo darters, a species endemic to Mississippi.



Susie, Gordon, and Amy using the electrofishing boat to sample fish. Electrical pulses are sent through the water which momentarily stun fish and roll them to the surface of the water where they can then be easily picked up using a dipnet.



Left: Gordon up to his neck in mud! Why? Right: To find this little crayfish (*Procambarus hagenianus*).



Susie checking the form of this crayfish in the lab. Often the only positive identification that can be made of a crayfish is on a Form 1 male.



Wendell and Mel studying mussels in the lab.



Mickey checking the depth before sampling.



Mel using a quadrat to quantify mussels.



Ken Sterling, Gordon, and Mickey, at Bay Springs. Mel is serving as Ken's advisor for graduate school.



Left: Gordon, Wendell, and Susie backpack electrofishing. Right: Gordon and Amy.



Alligators and venomous snakes keep field crews on their toes!



Wendell and Stuart McGregor manning the dredge while Mel, using a hookah rig to breathe, dredges up substrate for mussel sampling.



Mickey preparing mussel thin sections.



Susie caring for crayfish in the outdoor laboratory, the artificial ponds.