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# Salamander Monitoring Studies

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### Harry Tiebout: Salamander Monitoring Studies

I, along with five of my grad students and about 30 undergraduate students) have been researching techniques for monitoring salamander populations longterm to detect environmental change, including climate change. Our studies, which started in 1996, have been conducted in two local National Parks (Valley Forge, Hopewell Furnace) and the Gordon Natural Area for Environmental Studies.



Our focal species, the Redback Salamander, comes in two color phases - red and lead



Our current study is in forest understory plots.

Carfioli, Margaret A., Harry M. Tiebout III, Susan A. Pagano, Kristina M. Heister, and Fredric C. Lutcher. 2000. Monitoring *Plethodon cinereus* populations: field tests of experimental coverboard designs, Chapter 26, Pp. 463-475 In R. C. Bruce, R. J. Jaeger, and L. D. Houck (Eds.) *The Biology of the Plethodontid Salamanders*, Kluwer Academic/Plenum Publishers, New York.