

Mid-Atlantic Region

An Overview of the FY 82 Mid-Atlantic Region Science Program has been produced by the MAR Division of Natural Sciences. The research/resource management report describes monitoring and research efforts at Shenandoah NP in the areas of air and water quality (with support from the WASO Water Resources Division, the U.S. Geological Survey, and the WASO Air Quality Division), and a major effort through the USF & WS Cooperative Wildlife Research Unit at Virginia Polytechnic Institute and State University (VPI) to examine the seasonal movement patterns, identifying seasonal habitat preferences, estimating bear density and reproduction, and relating all factors to management activities.

The Overview lists the following additional studies at Shenandoah and elsewhere in the region:

At Shenandoah NP: "A Hiking Trail System Model for the Central District of Shenandoah NP," and a proposal to establish a Shenandoah NP Field Research Center;

At Assateague Island NS: "A Study of the Behavior and Ecology of the Feral Ponies, Sika Deer and White-Tailed Deer Within Assateague Island NS," and "Frequency Spectrum of Oceanic Overwash Events on Assateague Island NS: Implications of Natural Disturbances for Habitat and Community Development;"

At Delaware Water Gap NRA: "Rare and Endangered Plant Species Within the Delaware Watergap NRA," "Factors Affecting Gypsy Moth Egg Survivability," and "Parasitism in Gypsy Moth Larvae Populations from the Watergap NRA, Gettysburg NMP, and Catoclin Mountain Park;"

At Independence NHP: Several studies

being conducted by the Morris Arboretum, including "Trees for Urban Parks — A Guide for the Selection and Culture of Trees in NE Cities;"

And studies specific to New River Gorge National River, Gettysburg NMP, Valley Forge NHP, and Allegheny Portage Railroad NHS.