

***Snakeden Branch*** in Reston was the latest stream to benefit from a restoration plan designed and implemented by the Northern Virginia Soil and Water Conservation District and the Virginia Department of Forestry in August of 2003. This project marked the start of the implementation phase of the Reston Association's new watershed management plan. The upper 200-ft section was completed as a partnership project by the Northern Virginia Soil & Water Conservation District, Virginia Department of Forestry, Reston Association (RA), and the Fairfax County Department of Public Works and Environmental Services, Maintenance and Stormwater Management Division. The lower 800-ft was completed by RA working with private consulting firms. RA received grant and mitigation funding to support the project. The banks were severely eroded, and the roots of many large trees were exposed. The streambanks were re-graded to gentler slopes. In the upper section, large stones were strategically placed to help stabilize a large tulip poplar tree, and both single and two-tier rows of biologs were placed along a stretch. The series of pictures below, Figures 8-13, show the restoration process in various stages at the Snake Den site.



**Figure 8.** Root mat staking at the Snake Den stream restoration site. (Photo courtesy of NVSWCD)



**Figure 9.** Snake Den Restoration Project—Biolog installation. (Photo courtesy of RA)



**Figure 10.** Snake Den stream restoration site, after root mat's and biologs are put in place. (Photo courtesy of NVSWCD)



**Figure 11.** Snake Den Restoration project—replanting of vegetative stream buffer. (Photo courtesy of RA)

By the time the logs degrade in seven or eight years, a root network of plants will have been established through and behind it. In addition to stabilize the bank. Biodegradable coconut fiber on the banks until the roots of native grass and Several rock cross vanes were built to concentrate reducing bank erosion as well as increasing water structures were built throughout the project. More at:

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