



## Amphibian Monitoring at Prince William: 2012 Update

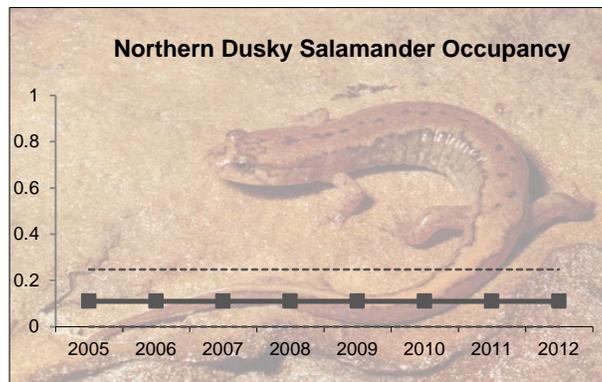
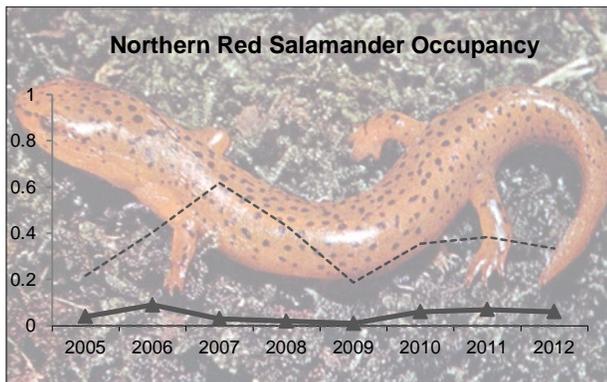
### Overview

This update presents data from 2012 on stream-breeding amphibians in Prince William Forest Park (PRWI). The National Capital Region Network Inventory & Monitoring program (NCRN I&M) monitored amphibians in PRWI in 2006, 2008, 2009, and 2012.

The goals of amphibian monitoring include determining the current distribution and status of amphibian populations, determining possible causes for changes to amphibian populations, and providing park managers with the information necessary to make management decisions.

### Stream Species Occupancy

In 2012, we visited 32 monitoring sites on 16 streams. We encountered four species of stream salamanders in Prince William: northern dusky salamander (*Desmognathus fuscus*), northern two-lined salamander (*Eurycea bislineata*), northern red salamander (*Pseudotriton ruber*), and three-lined salamander (*Eurycea guttolineata*). The occupancy rate for three of these stream salamanders at Prince William is relatively stable. (We are unable to estimate the occupancy of the three-lined salamander due to very low encounter rates.)



Solid lines show the average occupancy estimate.  
Dashed lines show standard error.



## Further Information:

NCRN I&M Amphibian Monitoring Webpage: [http://science.nature.nps.gov/im/units/ncrn/monitoring\\_amphibians.cfm](http://science.nature.nps.gov/im/units/ncrn/monitoring_amphibians.cfm)

Campbell Grant, E. H., E. F. Zipkin, and A. B. Brand. 2011. National Capital Region Network 2009 amphibian monitoring: Synthesis of 2005-2009 data. Natural Resource Technical Report. NPS/NCRN/NRTR—2011/414. National Park Service, Fort Collins, Colorado. [https://irma.nps.gov/App/Reference/DownloadDigitalFile?code=423765&file=NCRN\\_Amphibian\\_Monitoring\\_Report\\_2010.pdf](https://irma.nps.gov/App/Reference/DownloadDigitalFile?code=423765&file=NCRN_Amphibian_Monitoring_Report_2010.pdf)

Mattfeldt, S. D., E. H. C. Grant, and L. L. Bailey. 2008. Amphibian Monitoring in the National Capital Region: A focus on lentic and lotic habitats. Natural Resource Technical Report. Natural Resource Report NPS/NCRN/NRTR—2008/088. National Park Service, Center for Urban Ecology, National Capital Region, Washington, DC. [https://irma.nps.gov/App/Reference/DownloadDigitalFile?code=152608&file=NCRN\\_Amphib\\_Monitoring\\_Rpt\\_2007.pdf](https://irma.nps.gov/App/Reference/DownloadDigitalFile?code=152608&file=NCRN_Amphib_Monitoring_Rpt_2007.pdf)

Northeast Amphibian Research and Monitoring Initiative of the USGS: [www.pwrc.usgs.gov/nearmi/](http://www.pwrc.usgs.gov/nearmi/)