

# What can YOU do to protect local salamanders?

- Avoid using plasticware and recycle your cans and bottles.
- Disinfect your boots between hikes to reduce risk of transmitting deadly diseases.

- Learn about vernal pools and help protect these important amphibian habitats.
- Replace logs you turn over to preserve these important salamander habitats.
- Support local conservation organizations such as FCSal.

- Celebrate Salamander Saturday the first Saturday in May each year.

More info at  
[www.FCSal.org](http://www.FCSal.org)



FCSal is a 501(c)3 non-profit organization dedicated to the conservation of salamanders and their habitats.



## Contact Us

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## SALAMANDERS OF VIRGINIA

Virginia is home to 56 subspecies of Salamanders



PROVIDED BY THE MILL MOUNTAIN ZOO, THE FOUNDATION FOR THE CONSERVATION OF SALAMANDERS (FCSAL), AND THE VIRGINIA HERPETOLOGICAL SOCIETY (VHS)

AN EDUCATIONAL GUIDE



# Threats to Salamanders

- Deforestation causes the loss of important habitat, increases ground temperature, disrupts vernal pools, and increases run-off.
- Diseases such as Amphibian Chytrid Fungus and *Ranavirus* are spreading across the world causing amphibian declines.
- Increasing temperatures are affecting salamander distributions and breeding seasons by altering the weather within their habitats.
- Pollution can be absorbed through a salamander's skin causing numerous problems for these sensitive animals.

Photos by Matt Neff unless otherwise noted



Four-toed Salamander  
*Hemidactylium scutatum*



Spring Salamander  
*Gyrinophilus porphyriticus*



Northern Red Salamander  
*Pseudotriton ruber ruber*



Seal Salamander  
*Desmognathus monticola*



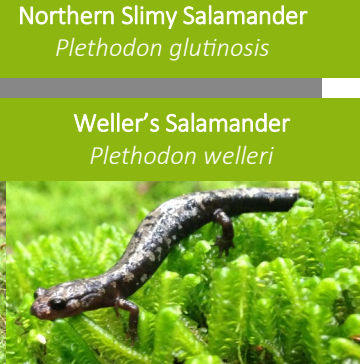
Red-backed Salamander  
*Plethodon cinereus*



Northern Slimy Salamander  
*Plethodon glutinosus*



Northern Two-lined Salamander  
*Eurycea bislineata*



Weller's Salamander  
*Plethodon welleri*



Wehrle's Salamander  
*Plethodon wehrlei*



Yonahlossee Salamander  
*Plethodon yonahlossee*



Eastern (Red-spotted) Newt  
*Notophthalmus viridescens viridescens*

# Virginia's Endemic Species



Big Levels Salamander  
*Plethodon sherando*

Paul Sattler



Shenandoah Salamander  
*Plethodon shenandoah*



Flat-headed Salamander  
*Desmognathus planiceps*

Stephen Tilley



Peaks of Otter Salamander  
*Plethodon hubrichti*