

## **An AMPHIBIAN Checklist for Mount Mitchell State Park 15 taxa**

Herpetology is the branch of zoology dedicated to the study of amphibians (frogs, toads, salamanders, and newts) and of reptiles (snakes, lizards, turtles, and crocodilians). "Herps" are a diverse and interesting group of animals that are important elements in the fabric of life.

Amphibian is derived from the Greek work "amphibios". "Amphi" meaning 'both' and "bio" meaning 'life' - hence leading a double life. Indeed, most amphibians are aquatic as juveniles and breath with gills. After transformation, the adults usually live on land and most have lungs.

Many amphibians are very sensitive to environmental change. Their diversity and abundance can be an indication of an area's ecological health.

In early spring and during the summer listen for the calls of frogs and toads. Salamanders and newts, however, are silent and can be quiet secretive.

Reptiles, unlike amphibians, have dry skin covered with horny scales. Most, with the exception of snakes and legless lizards, have 4 legs with five clawed digits on each foot. While some amphibians retain gills as adults, all reptiles breathe solely by means of lungs.

Look for these cold-blooded animals on warm to hot sunny days when they bask on rocks, logs and tree trunks. Sixty-seven species have been recorded in North Carolina.

**For more information, contact:  
Mount Mitchell State Park**

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### **Notes**

## **AMPHIBIAN CHECKLIST Mount Mitchell State Park**



### **Seasons:**

Spring - March to May  
Summer - June to August  
Fall - September to November  
Winter - December to February

### **Web Links**

Amphibians and Reptiles of North Carolina State Parks  
<<https://auth1.dpr.ncparks.gov/nrid/public.php>>

### **Resources**

Snakes of the Southeast  
by Whit Gibbons and Mike Dorcas  
Univ. of Georgia Press  
<<http://www.ugapress.org>>

Amphibians and Reptiles of the Carolinas and Virginia  
by Jeffrey C. Beane, Alvin L. Braswell, Joseph C. Mitchell, and William M. Palmer  
Univ. of North Carolina Press  
<<http://uncpress.unc.edu>>

Reptiles of North Carolina  
by William M. Palmer and Alvin L. Braswell  
Univ. of North Carolina Press  
<<http://uncpress.unc.edu>>



<https://www.ncparks.gov/junior-rangers>

**15 AMPHIBIAN taxa****PLETHODONTIDAE: [10]**

___ Northern Dusky Salamander .....	-	x	-	-
<i>Desmognathus fuscus</i>				
___ Shovel-nosed Salamander .....	-	-	-	-
<i>Desmognathus marmoratus</i>				
___ Black-bellied Salamander .....	-	x	-	-
<i>Desmognathus quadramaculatus</i>				
___ Carolina Mountain Dusky Salamander .....	-	x	x	x
<i>Desmognathus carolinensis</i>				
___ Longtail Salamander .....	-	-	-	-
<i>Eurycea longicauda</i>				
___ Blue Ridge Two-lined Salamander .....	x	x	-	-
<i>Eurycea wilderae</i>				
___ Blue Ridge Spring Salamander .....	-	x	x	-
<i>Gyrinophilus porphyriticus danielsi</i>				
___ Northern Gray-cheeked Salamander .....	-	x	-	-
<i>Plethodon montanus</i>				

**SALAMANDRIDAE: [1]**

___ Red-spotted (Eastern) Newt .....	-	x	-	-
<i>Notophthalmus viridescens viridescens</i>				

**BUFONIDAE: [1]**

___ Eastern American Toad .....	-	-	-	-
<i>Anaxyrus americanus</i>				

**HYLIDAE: [1]**

___ Spring Peeper .....	-	x	-	-
<i>Pseudacris crucifer</i>				

**RANIDAE: [1]**

___ Wood Frog .....	-	x	x	-
<i>Lithobates sylvaticus</i>				

**PLETHODONTIDAE: [10]**

___ Spring Salamander .....	-	x	-	-
<i>Gyrinophilus porphyriticus</i>				
___ Seal Salamander .....	-	x	-	-
<i>Desmognathus monticola</i>				
___ Northern Pygmy Salamander .....	-	x	-	x
<i>Desmognathus organi</i>				