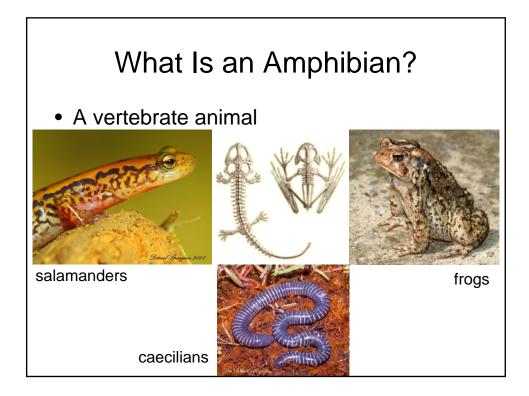
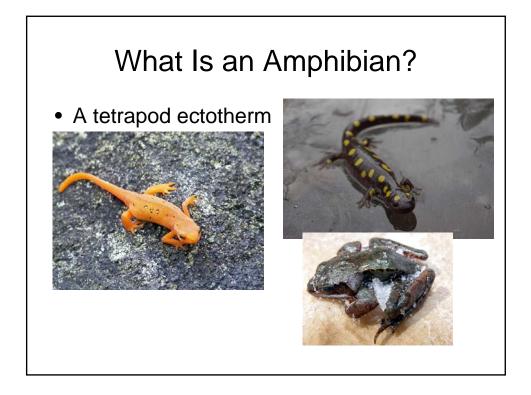


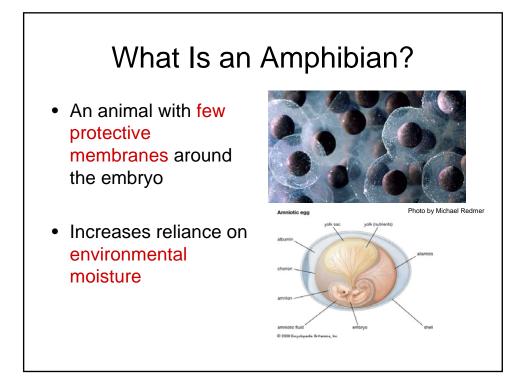
# Webinar Goals After this presentation you will know: Some basic biology of amphibians and reptiles and how many are native to Pennsylvania; Swhich amphibians and reptiles are most likely to be found in forest habitats and common sampling methods; and Anow forest management may

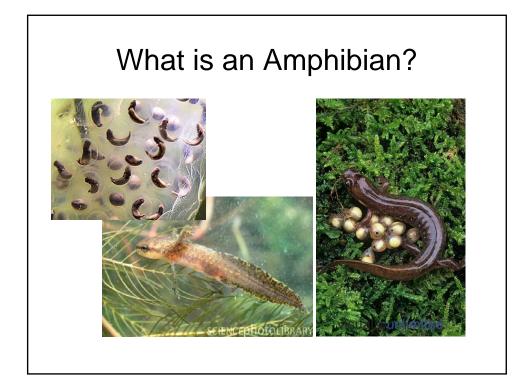


 how forest management may affect amphibian and reptile populations.

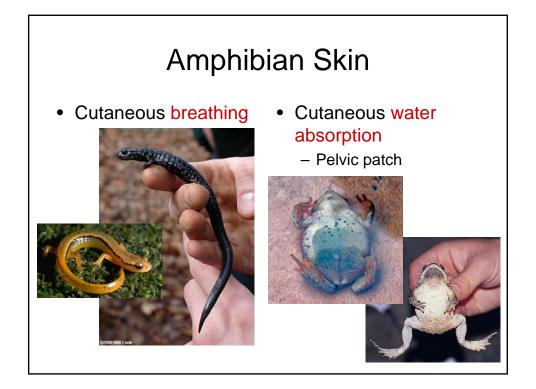


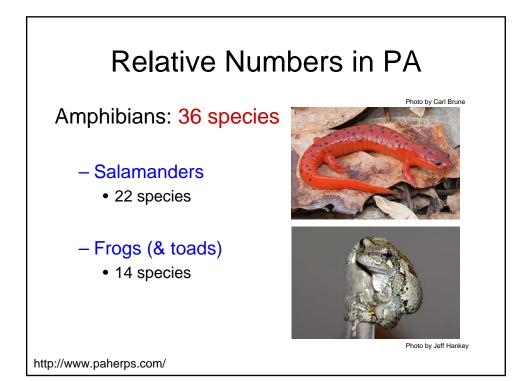


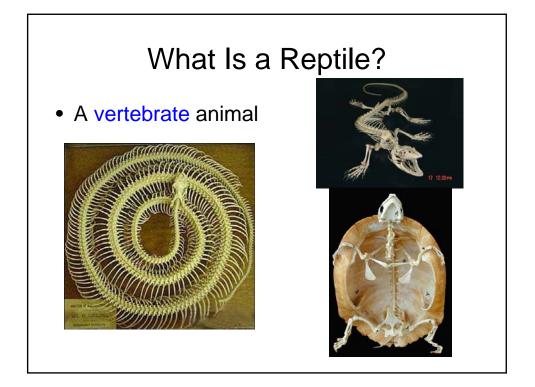


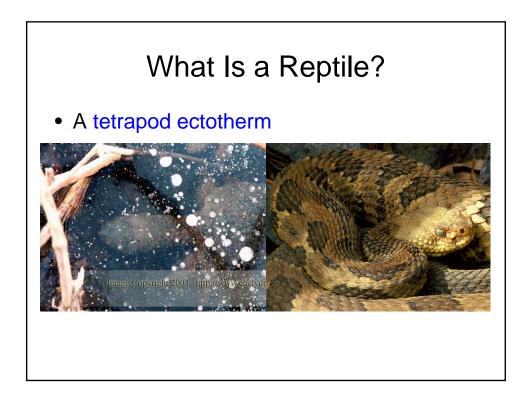


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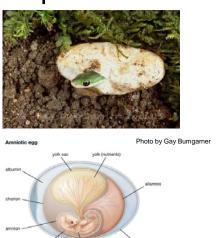






# What Is a Reptile?

- An animal with several protective membranes around the embryo
- Decreased reliance on environmental moisture



Relative Numbers in PA

## Reptiles: 39 species

- Snakes
  - 21 species

## - Turtles

• 14 species

## Lizards

4 species

http://www.paherps.com/



# Webinar Goals

After this presentation you will know:

- 1. Some basic biology of amphibians and reptiles and how many are native to Pennsylvania;
  - 2. which amphibians and reptiles are most likely to be found in forest habitats and common sampling methods; and



3. how forest management may affect amphibian and reptile populations.

# Forest Amphibians: Frogs

## Wood frog

- Lithobates sylvaticus
  - Vernal pools
  - Permanent pond edges
  - Forested pools & near forest



# Forest Amphibians: Frogs

## **Pickerel frog**

- Lithobates palustris
  - Vernal pools
  - Permanent pond edges
  - Forested pools & near forest





# Forest Amphibians: Frogs

## Gray treefrog

- Hyla versicolor
  - Vernal pools
  - Permanent pond edges
  - Forest clearings & near forest



# Forest Amphibians: Frogs

## Spring peeper

- Pseudacris crucifer
  - Vernal pools
  - Permanent pond edges
  - Forested & near forest



# Forest Amphibians: Frogs

## Mountain chorus frog

- Pseudacris brachyphona
  - Vernal pools
  - Permanent pond edges
  - Forested pools & near forest



# Forest Amphibians: Frogs

## Striped chorus frog

- Pseudacris triseriata
  - Vernal pools
  - Permanent pond edges
  - Forested pools & near forest



Photo by Don Becke



## Forest Amphibians: Salamanders

## Jefferson's salamander

- Ambystoma jeffersonianum
  - Vernal pools
  - Permanent pond edges
  - Forested pools & near forest



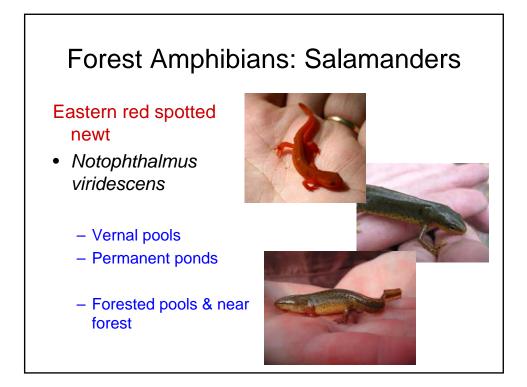
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## Forest Amphibians: Salamanders

## Marbled salamander

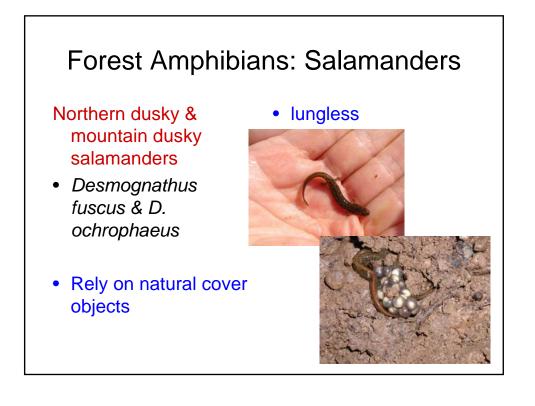
- Ambystoma opacum
  - Vernal pools
  - Permanent pond edges
  - Forested pools







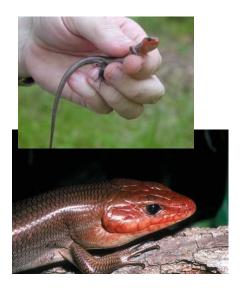




# Forest Reptiles: Lizards

## Broadhead skink

- Eumeces laticeps
- Forest clearings



# Forest Reptiles: Lizards

## Eastern fence lizard

- Sceloporus undulatus
- Open habitats within forests



# Forest Reptiles: Turtles

## Wood turtle

- Clemmys insculpta
- Wet forests
- Tree climbers



# Forest Reptiles: Turtles

## Eastern box turtle

- Terrapene carolina
- Deciduous forest





# Forest Reptiles: Snakes

## Eastern garter snake

- Thamnophis sirtalis
- Ubiquitous, but commonly encountered in forests



# Forest Reptiles: Snakes

## Northern redbelly snake

- Storeria occipitomaculata
- Edge habitat
- Upland forest
- Open canopy forest
- Wet areas
- Natural cover
- slugs



# Forest Reptiles: Snakes

# Northern ringneck snake

- Diadophis punctatus
- Damp hardwood forests
- Natural cover
  - Downed wood, rocks
  - Salamanders & worms





# Forest Reptiles: Snakes

## Timber rattlesnake

- Crotalus horridus
- Forests with south facing slopes, rocky outcrops



