

Mammalia Overview

- >100 species in Maryland
- •Extirpated species include:
 - American elk
 - American marten
 - Gray wolf
 - American bison

Note: This guide is an overview of select species found in Maryland. The taxonomy and descriptions are based on Peterson Field Guide to Mammals of North America, 4th Ed









- Largest group of mammals
- 25 species in Maryland
- Castoridae (beaver)
- o Erethizontidae (porcupine)
- Muridae (mice and rats)
 - includes native mice and rats, jumping mice, introduced mice and rats, lemmings, voles, muskrats
- Sciuridae (squirrels,
- chipmunks, woodchucks)

 Teeth never stop growing
- Iteetn never stop growing
 Until recently: Myocastoridae (nutria) - eradicated in 2022

Beaver teeth





Castoridae: American Beaver
(Castor canadensis)

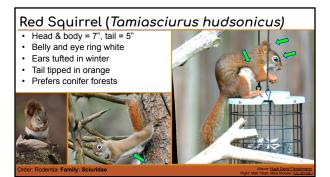
Head & body = 2.3 ', tail = 1'
Scaly, paddles-shaped tail, 1 hump visible when swimming (usual)

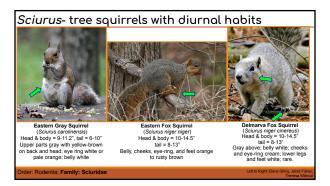
Arvicolinae: Common Muskrat
(Ondatra zibethicus)

Head & body = 12', tail = 9'
Flattened tail, 3 humps visible when swimming (usual)

Head & body = 12', tail = 13'
Squared off head wilwhite wilskers, rounded tail, invasive









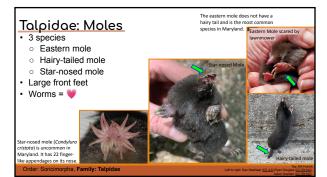
Northern Short-tailed Shrew (Blarina brevicauda)

- Head & body = 4", tail = 1"
- · Small eyes, tiny ears, short tail
- Must eat 3x its weight/day
- Toxic saliva, which can paralyze or kill insects

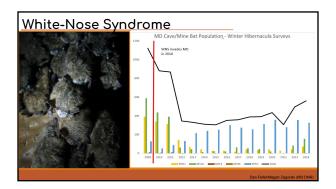
Order: Soricimorpha, Family: Soricidae

Echolocation

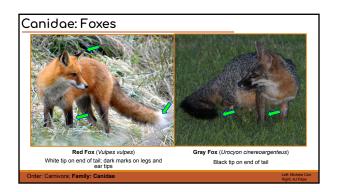






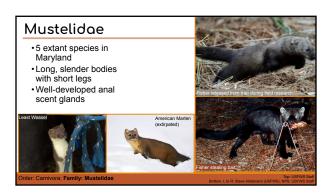












Mustelids



American Mink (Mustela vison)
Head & body = 12-16°
Tail = 5.5-8°

Dark brown with white on chin and chest;
usually near water



Head & body = 17-31"
Tail = 12-16"
Large and dark; head and shoulders grizzled; prefers coniferous or deciduous-conifer forest

Order: Carnivora; Family: Mustelidae

Northern River Otter (Lontra canadensis)

- •Head & body = 26-31"
- •Tail = 12-20"
- •Feet broad and webbed
- Upperparts brown and belly silvery
- Strong swimmer
- •Eats fish, crayfish, frogs, etc.



Order: Carnivora; Family: Mustelidae

Phocidae - Seals

- •4 species in Maryland
- Lack external ears
- •Hind flippers face back & front flippers are small
- •Mostly found along Atlantic coast in Maryland, but can travel up the Bay
- •Protected under the Marine Mammal Protection Act



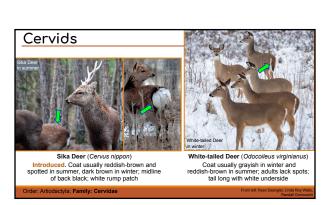
Juvenile Harp Seal (Pagophilus groenlandicus)

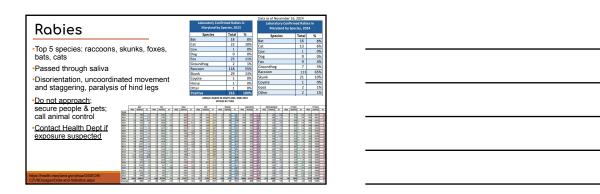
Adult males have black face and black
horseshoe-shaped patch on back. Adult females have
similar markings though lighter.

Order: Carnivora; Family: Phocidae

Above: Stephanie Venarchick, N







For Additional Information

For more information on Maryland's mammals, please visit our webpage at: <u>dnr.maryland.gov/wildlife</u>
Additional information can be found in the following resources.

Book Resources:
Peterson Field Guide to Mammals of North America, 4th Ed

- Online Resources:

 Maryland Envirothon (Wildlife and Heritage Service)

 Mammals of Maryland (MD DNR)

 Maryland Bliodiversity Project (Mammals)

