

2024 WILDLIFE CAMERA RESEARCH

ROAN MOUNTAIN STATE PARK
& HAMPTON CREEK COVE STATE NATURAL AREA
CARTER COUNTY, TENNESSEE

Presented to the Friends of Roan Mountain State Park and Park Rangers
February 15, 2025

Gerry Middleton, Wildlife Biologist
&
Carole Middleton, Field Tech & Data Mgr.

Objectives

- Gather resource management data for park rangers
- Inventory of game & non-game species
- Predator/Prey interactions
- Report & document endangered species, if found
- Monitor for invasive animal species
- Document nocturnal species
- Determine presence or absence of species
- Habitat studies of local communities of animals
- Video recording of animal behavior
- Feeding habits and patterns of animals
- Identify species expanded beyond their *home range*

Camera Deployments

- Camera Setups: 3/30/24
- Camera Retrievals: 9/15/24



***VIDEO data creates a permanent record of species encountered and can inform management decisions.**



Introduction Mammals of North America

- Canada = 200 mammal species including bats
- Mexico = 550 mammal species including bats
- USA = 450 mammal species including bats
- Tenn = 80 mammal species including bats



- Tenn = 5 mammals federal-listed as Endangered
 - Carolina northern flying squirrel (*Glaucomys sabrinus coloratus*)
 - Gray bat (*Myotis grisescens*)
 - Indiana bat (*Myotis sodalis*)
 - Northern long-eared bat (*Myotis septentrionalis*)
 - Virginia Big-Eared bat (*Corynorhinus townsendii virginianus*)

BLACK BEAR REPRODUCTION

“Delayed Implantation”

- Black bears are sexually mature at 3-½ years.
- Females (Sows) produce a litter every **two years**.
- Sows separate from juveniles at 16-17 months.
- Delayed implantation – unique survival strategy.
- May-July: Black bears mate.
- Fertilized eggs = become tiny balls of cells = Blastocysts.
- July-Nov: Blastocysts are free-floating & dormant in uterus.
- Nov-Dec: Female enters her den & goes into *Torpor*.
- Inside her body, the blastocyst receives a biological signal to implant in uterus and pregnancy begins.
- After 6-8 weeks gestation, the cubs are born.
- Newborns are blind and helpless; weigh 8-16 oz.
- Mother bear provides maternal care for 2-3 months in den.
- March-April: Sow & cubs emerge from the den for 1st time.

**Black bears do not go into a deep hibernation state. “Torpor” (dormancy) is a lighter physiological state than true hibernation that allows bears to be semi-aware & react to threats quickly.*

BEAR DEN



COYOTES



- Coyotes = lot of color variation.
- Coyotes mate for life & both help raise the pups.
- Coyotes may breed with domestic dogs— “Coydogs”.
- Coyotes frequently have black-tipped tails.
- White morph (True Albino): Very Rare.
- Leucistic coyote (white but not albino): Rare.
- Black morph (Melanistic): Uncommon.



- True albino coyotes feature an entirely white coat, pink noses, pink paw pads, and pinkish-red or very pale blue eyes.
- Leucistic coyotes appear white but typically will have dark noses and dark eyes.



Wild Felines

- Cougars were extirpated from Tenn in early 1900s due to over-hunting & habitat loss.
- Native cougar individuals (“vagrants”) from Western States occasionally wander East of the Mississippi River.
- 2015-16: a vagrant cougar from South Dakota was documented by trail cams & hair DNA in West Tenn.
- TWRA stance = Currently, **no evidence exists of a breeding population** in Tennessee.
- TWRA argues that the vast majority of reported cougar sightings are *misidentifications, escaped pets, or transient individuals* rather than a resident population.
- The only known breeding population of cougars east of the Mississippi River is the **Florida Panther**.
- Critically endangered = only an estimated 120-230 individuals remain in the wild in southwest Florida.

→ Comparison: Bobcat and Mountain Lion (Cougar)

Cougar: 7-8 feet long/tail 24-36 in. Bobcat: 3 feet long/tail 4-8 in.
Cougar males can weigh: Male bobcats: 40 lbs.
140-175 lbs (up to 250)



Geoff Kuchera and Carol, stock.adobe.com

METHODS

Trail Camera Deployments in the Field

Camera Brands {
Browning
Bushnell
Moultrie
Treeline

Camera settings: Videos, 24/7, & Date-Time ↓



High Tree Mount: +5 Feet High ↓



Low Tree Mount: 2-3 Feet High ↓



Bear-Damaged
← Camera



Lock the Camera Down ↓



Field Habitat Criteria for Trail Camera Deployments-Part 1



Scat/Droppings



Tree Holes



Limestone Outcrops



Old Abandoned Roads



Wildlife Tracks



Claw Marks on Trees



Forest Access Roads



Field & Forest Edge

Field Habitat Criteria for Trail Camera Deployments-Part 2



Forest
Ponds &
Beaver
Dams
→
Creek
Riparian
Zones
←



MorganHillStateForest



Shutterstock

Tree Fissures & Cracks



Dead Logs Laying Across Creeks



somewhereinthehills.com

Rocky Overhangs and Bluffs

METHODS

- We deployed over 60 cameras throughout the park during 2022-2023
- Baits or lures were not used to attract wildlife to our camera traps
- Low Mounts: Cameras were attached on trees about 2 feet above ground surface
- High Mounts: Cameras were attached on trees about 8 feet above ground surface
- Cameras were deployed about 45-60 days per survey site
- Goals: Inventory wildlife species & support Natural Resource Management
- Identify & validate species that may have expanded beyond their *home range*
- Priority species: bobcat, coyote, fox, mountain lion, black bear, and bats

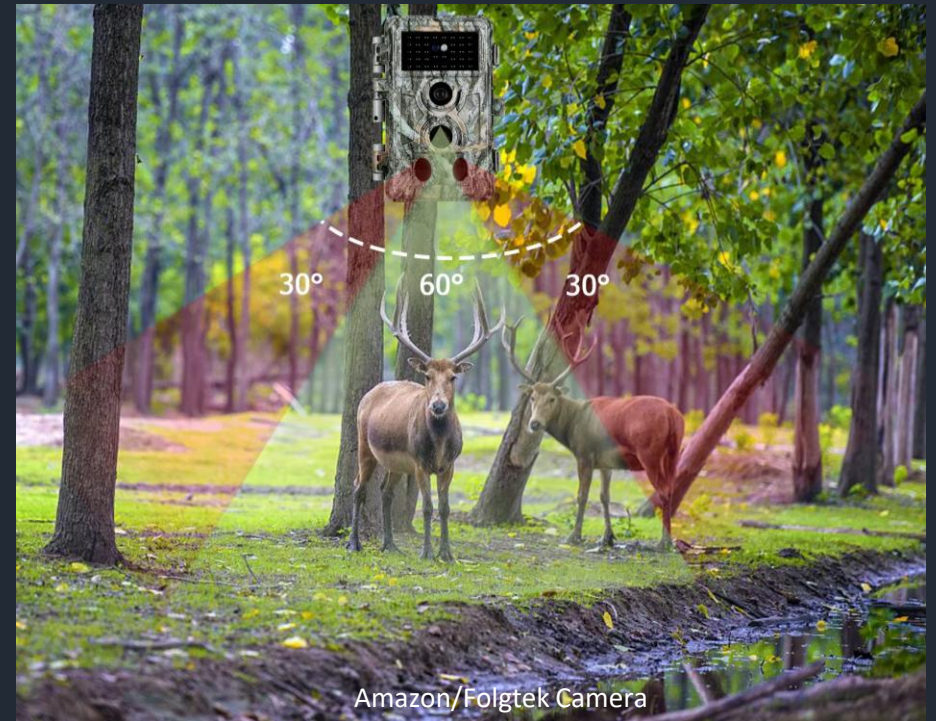
METHODS

- VIDEO data creates a permanent record of species encountered for management decisions
- Vegetation trimming was necessary to avoid concealment of smaller mammals in the camera field of view, to provide a clear view of larger mammals, and reduce vegetation being moved by wind that can induce false camera triggering
- Minimize human scent during deployment
- Camera “traps” were installed to maximize the detection probability of preferred species



Wide 120° angle
of detection →

← **Camera trap:**
Vegetation funnels the
animals into the camera
field of view



HAMPTON CREEK COVE STATE NATURAL AREA TRAIL CAMERA RESULTS FOR 2024

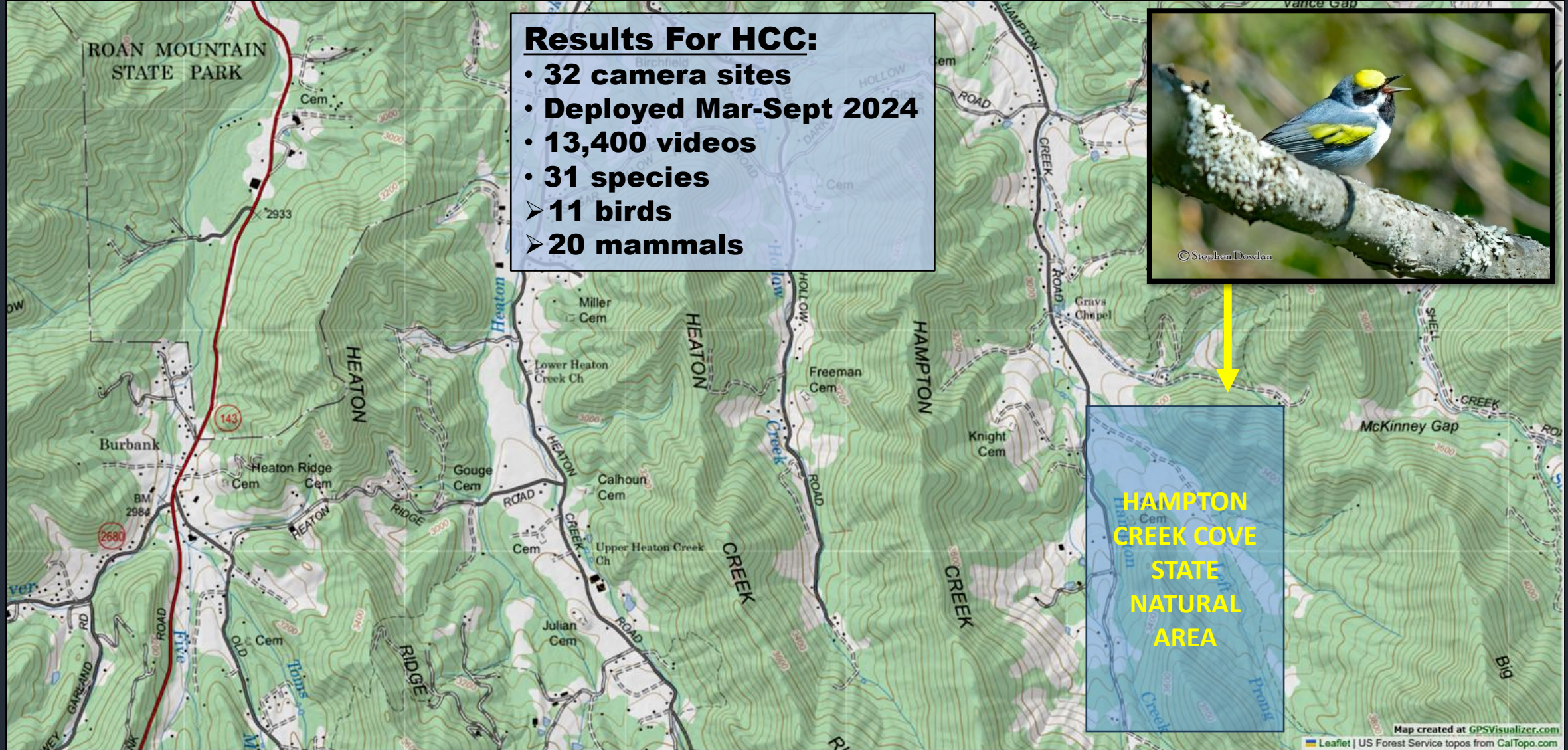


Notice: All "still videos" shown throughout this report were recorded by R.G. Middleton, 2024.

Camera Surveys at TN State Parks: 2024

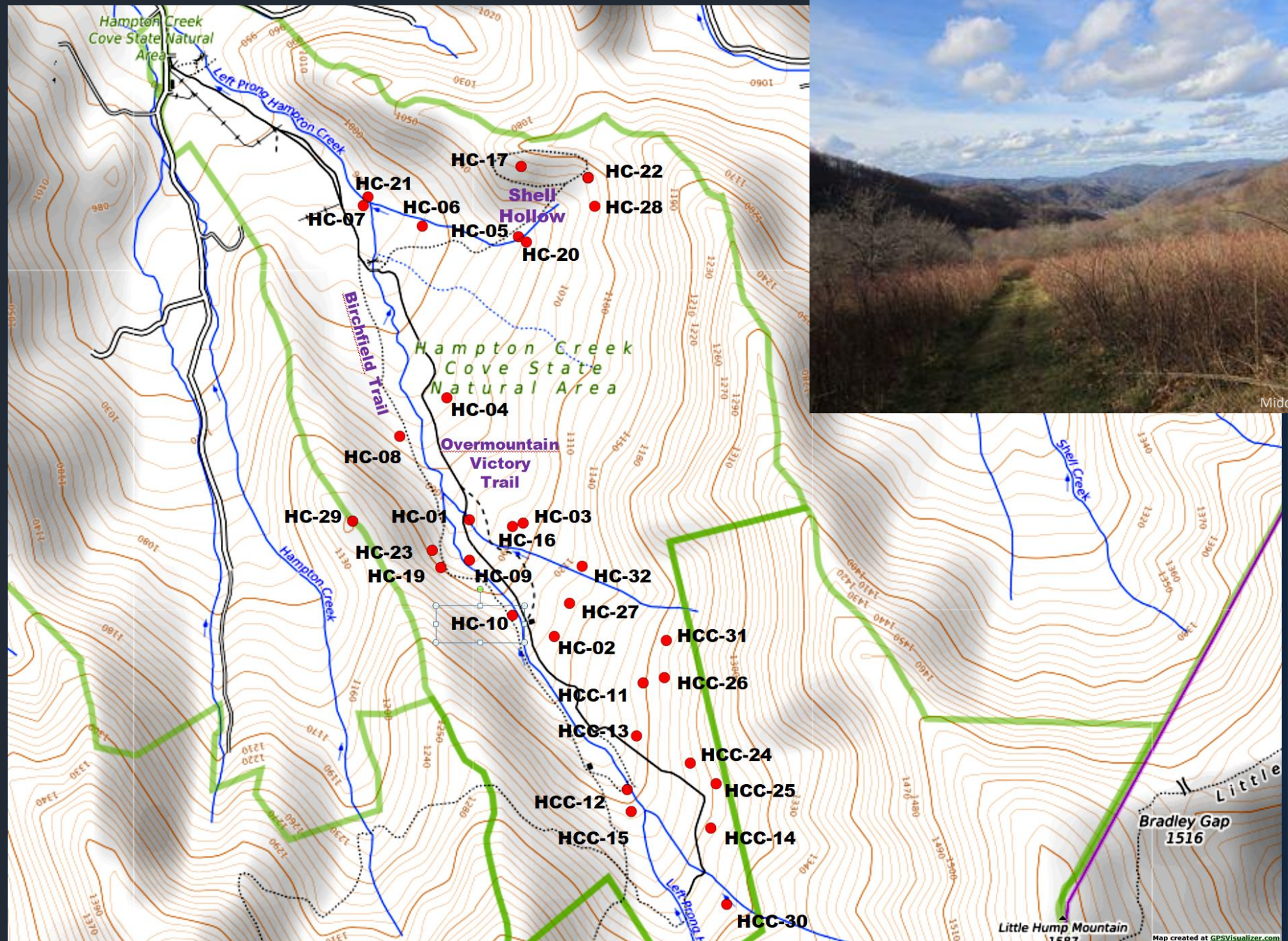
Hampton Creek Cove State Natural Area

Habitat for the
Golden Winged
Warbler



Hampton Creek Cove State Natural Area

32 Camera Sites



Middleton_Photo

HAMPTON CREEK COVE SNA: 2024 WILDLIFE LIST OF SPECIES

| CAMERA SITE ↓ | AREA ↓ | Bats, in Flight | Bear, Black | Bobcat | Bird-of-Prey | Chipmunk, Eastern | Coyote | Crow | Deer, White-tailed | Flicker, Northern | Fox, Gray | Fox, Red | Hawk, Cooper's | Hawk, Red-tail | Heron, Great Blue | Hogs, Wild | Mammal, Small | Mouse, Jumping | Muskrat | Opossum, Virginia | Owl, Barred | Rabbit, Cottontail | Raccoon | Robin | Squirrel, East. Gray | Squirrel, Flying | Squirrel, Fox | Skunk, Striped | Titmouse, Tufted | Turkey, Wild | Woodpk., Pileated | Woodchuck | |
|---------------|--------|-----------------|-------------|--------|--------------|-------------------|--------|------|--------------------|-------------------|-----------|----------|----------------|----------------|-------------------|------------|---------------|----------------|---------|-------------------|-------------|--------------------|---------|-------|----------------------|------------------|---------------|----------------|------------------|--------------|-------------------|-----------|--|
| HC-01 | HCC | | | | | | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | |
| HC-02 | HCC | | | | | | ✓ | | ✓ | | | | | | | | | | | ✓ | | ✓ | ✓ | | | | | | | | ✓ | | |
| HC-03 | HCC | ✓ | | ✓ | | ✓ | ✓ | ✓ | ✓ | | | | | | | | ✓ | | | | | | ✓ | ✓ | | ✓ | | | | ✓ | | | |
| HC-04 | HCC | ✓ | | | ✓ | | | ✓ | ✓ | | | | ✓ | | | | | | | | | | ✓ | | | ✓ | | | | | ✓ | | |
| HC-05 | HCC | ✓ | | | ✓ | | | | ✓ | | | | | ✓ | | | | | | | | | | | | | | | | | ✓ | | |
| HC-06 | HCC | | | | | | ✓ | | ✓ | | | | | | | | | | | ✓ | | | | | | | | | | | ✓ | | |
| HC-07 | HCC | | | | | ✓ | ✓ | | ✓ | | | | | | ✓ | | ✓ | ✓ | | ✓ | | ✓ | | | | ✓ | | | | | | | |
| HC-08 | HCC | ✓ | | | | | | | ✓ | | | | | | | | | | | | | | | | | ✓ | | | | | ✓ | | |
| HC-09 | HCC | ✓ | | | | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | ✓ | | |
| HC-10 | HCC | | | | | | | | ✓ | | | | | | | ✓ | | | | | | | | | | | | | | | ✓ | | |
| HC-11 | HCC | ✓ | | | | | ✓ | ✓ | ✓ | ✓ | | | | | | ✓ | | | | | | ✓ | | | | | | | ✓ | | ✓ | | |
| HC-12 | HCC | ✓ | | | | | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | |
| HC-13 | HCC | ✓ | ✓ | ✓ | | | ✓ | | ✓ | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | ✓ | | | |
| HC-14 | HCC | ✓ | ✓ | | | | | | ✓ | | | | | | | | | | | | | | ✓ | | | | | | | | | | |
| HC-15 | HCC | ✓ | | ✓ | | | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | |
| HC-16 | HCC | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | |

CONTINUED

BRIEF SUMMARY OF WILDLIFE CAMERA STUDY AT HCC 2024

- 32 HCC field sites were covered with trail camera surveillance from April-Nov 2024.
- 10 HCC field sites were monitored with Ababat bat detectors.
- Game animals at HCC^{**}: wild turkey, white-tailed deer, black bear, squirrels, & rabbits.
- We documented at least 28 HCC wildlife species including a few birds.
- We did not capture videos of the Golden Winged Warbler.
- No mountain lion videos recorded.
- Thousands of video observations: If cattle were present at a camera site, wild animals were absent.
- Unfortunately, we recorded several videos of Wild Hog individuals and observed hog rooting mainly up in the southern half of the SNA.
- We recorded 2 videos of a USDA employee onsite with bags of corn or other feed, possibly baiting a hog trap.

****Note About Game Animals & Hunting Seasons in Effect at HCC:**

- *Hunting per TWRA regulations is limited to turkey, grouse, rabbit, squirrel, and deer hunting (archery only). Bear hunting is NOT permitted at HCC.*
- *That said, I need to be cautious regarding game animal information I release here today so I don't have the Game Warden looking for me later with a warrant!*

THE 2024 BIG PICTURE AT HAMPTON CREEK COVE

31 Wildlife Species Documented

BIRDS (n=11)

- American crow
- American robin
- barred owl
- bird-of-prey “group”
- Cooper’s hawk
- great blue heron
- northern flicker
- pileated woodpecker
- red-tailed hawk
- tufted titmouse
- wild turkey

SMALL MAMMALS (n= 7)

- bats
- eastern chipmunk
- eastern gray squirrel
- flying squirrel
- fox squirrel
- jumping mouse
- small mammal “group”

MEDIUM MAMMALS (n= 6)

- eastern cottontail rabbit
- muskrat
- raccoon
- striped skunk
- Virginia opossum
- woodchuck

LARGE MAMMALS (n= 7)

- American black bear
- bobcat
- coyote
- gray fox
- Red fox
- white-tailed deer
- wild hog

Hampton Creek Cove SNA - 2024

American Black Bear / *Ursus americanus*

Ridge Crest in Woods / Uphill from the Birchfield Trail



📍 58 F 26.14 inHg

TRAILCAM01

📅 09/07/2024 02:24PM

Bobcat Female & Kitten

Hampton Creek Cove SNA-2024

Left Prong Hampton Creek Near 2nd Cattle Gate

About 200 Yards From Trailhead Parking



↓ Adult female

↓ Kitten

79 F 26.59 inHg TRAILCAM01

06/25/2024 06:06:53PM

Bobcat

Hampton Creek Cove SNA-2024
Left Prong Hampton Creek Near 2nd Cattle Gate
About 200 Yards From Trailhead Parking



57 F 26.87 inHg TRAILCAM01

● 09/16/2024 04:14:30PM

White-tailed Deer / Doe & Fawn

Hampton Creek Cove-SNA

Ridgeside Forest Above the Overmountain Victory Trail



White-tailed Deer

Odocoileus virginianus

*Eating Beebalm
Flowers (Monarda)*

Hampton Creek Cove SNA-2024
Left Prong Hampton Creek Near 2nd Cattle Gate



📍 70 F 26.71 inHg TRAILCAM01

🕒 07/10/2024 06:50:12AM

WILD HOG (Sus scrofa)
Hampton Creek Cove SNA
Ridge-side Spring in Woods
Off-trail of Overmountain Victory Trail



Hampton Creek Cove State Natural Area

White-tailed Deer- Buck

Old Abandoned Road Near Birchfield Trail



71F 26.38 inHg

TRAILCAM01

● 08/17/2024 12:58PM

Hampton Creek Cove State Natural Area

Wild Turkey / Tom Displaying

Open Field on Ridge Above Overmountain Victory Trail



73 F

TRAILCAM01

05/05/2024 10:00AM

Hampton Creek Cove State Natural Area

Wild Turkey / Tom Displaying

Off-trail From the OMV Trail / Hillside Above Old Barn



58 F 26.32 inHg TRAILCAM01

05/03/2024 08:41:56AM

Hampton Creek Cove State Natural Area

Eastern Fox Squirrel

Open Field Uphill of Old Barn & Overmountain Victory Trail



📍 25 F 25.74 inHg TRAILCAM01 (04/04/2024 10:06:38AM

Hampton Creek Cove State Natural Area
Bobcat (*Lynx rufus*)
Left Prong Hampton Creek Near 2nd Cattle Gate



Hampton Creek Cove State Natural Area
Black Coyote (Melanistic)
Ridge in Woods Off-trail From the OMV Trail
Southernmost Camera Deployment Extent of 2024 Survey



Hampton Creek Cove State Natural Area

Great Blue Heron in Flight (Near Left Prong Hampton Creek)

Overmountain Victory Trail / 200 Yards From Trailhead



40 F 26.80 inHg TRAILCAM01

04/13/2024 07:59:25AM

PREVIOUS MAMMAL STUDIES AT HAMPTON CREEK COVE STATE NATURAL AREA

PRELIMINARY SURVEY OF TERRESTRIAL VERTEBRATES

HAMPTON CREEK COVE STATE NATURAL AREA

*Summers 1992 & 1993 (sampling dates)

A Report to the Southern Appalachian Highlands Conservancy

Travis W. Knowles
Department of Biology
Francis Marion University
P. O. Box 100547
Florence, SC 29501-0547

MAMMAL CHECKLIST

- __ *Blarina brevicauda* (Northern Short-tailed Shrew)
- __ *Clethrionomys gapperi* (Boreal Red-backed Vole)
- __ *Marmota monax* (Groundhog or Woodchuck)
- __ *Napaeozapus insignis* (Woodland Jumping Mouse)
- __ *Odocoileus virginianus* (White-tailed Deer)
- __ *Peromyscus leucopus* (White-footed Mouse)
- __ *Peromyscus maniculatus* (Deer Mouse)
- __ *Procyon lotor* (Raccoon)
- __ *Sorex cinereus* (Masked Shrew)
- __ *Sorex dispar* (Long-tailed or Rock Shrew)
- __ *Sorex fumeus* (Smoky Shrew)
- __ *Sylvilagus floridanus* (Eastern Cottontail)
- __ *Tamias striatus* (Eastern Chipmunk)
- __ *Vulpes vulpes* (Red Fox)

Inventory of the Mammals of Hampton Creek Cove State Natural Area, Strawberry Mountain, Rocky Fork WMA, and Henderson Wetlands WMA

*May-Sept 2005 (sampling dates)

Misty Dempsey*, Lisa Huff**, Jon Davenport*, W. Mark Thurman*, Mark T. Fagg*, Scott Dykes*, and R.L. Pete Wyatt*

*Tennessee Wildlife Resources Agency

**Tennessee Department of Environment and Conservation, Division of Natural Heritage

Table 2. List of small mammals found at HCCSNA with codes and species names.

| Code | Common name | Species Name |
|-------|------------------------|--------------------------------|
| BLBR | Short-tailed shrew | <i>blarina brevicauda</i> |
| CLGA | Boreal red back vole | <i>clethrionomys gapperi</i> |
| COCR* | Starnose mole | <i>condylura cristata</i> |
| MIPE | Meadow vole | <i>microtis pennsylvanicus</i> |
| NAIN | Woodland jumping mouse | <i>napaeozapus insignis</i> |
| PELE | White-footed mouse | <i>peromyscus leucopus</i> |
| PEMA | Deer Mouse | <i>peromyscus maniculatus</i> |
| SOCI | Masked shrew | <i>sorex cinereus</i> |
| SODI | Long-tailed shrew | <i>sorex dispar</i> |
| SOFU | Smoky shrew | <i>sorex fumeus</i> |
| TAST | Eastern chipmunk | <i>tamias striatus</i> |
| ZAHU | Meadow jumping mouse | <i>zapus hudsonius</i> |

*This starnose mole was found hanging in a briar thicket, badly decomposed; it is noted, but not included in the habitat and abundance analysis.

*Neither article had published dates on the citations.

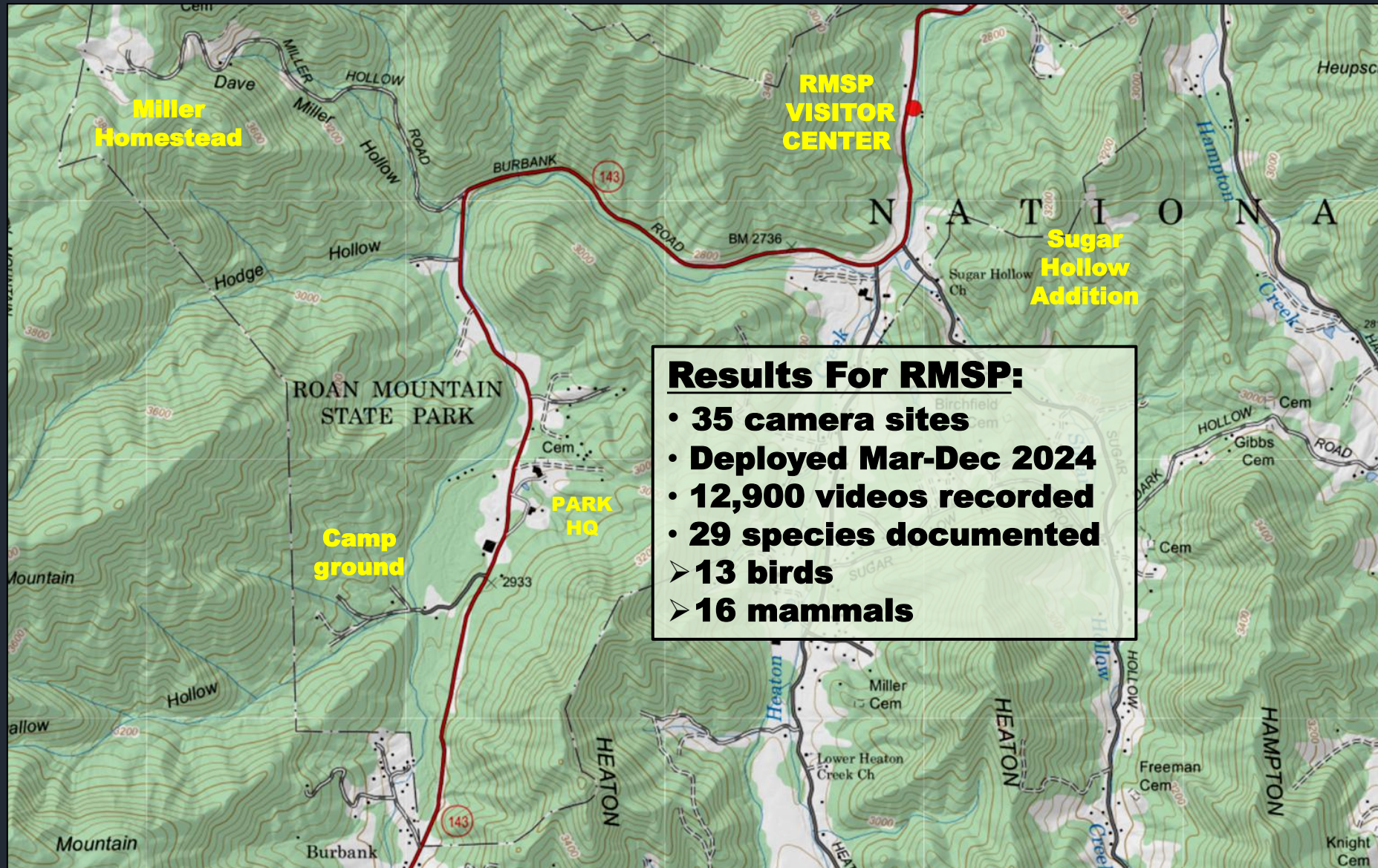
ROANMOUNTAINSTATEPARK TRAILCAMERARESULTSFOR2024



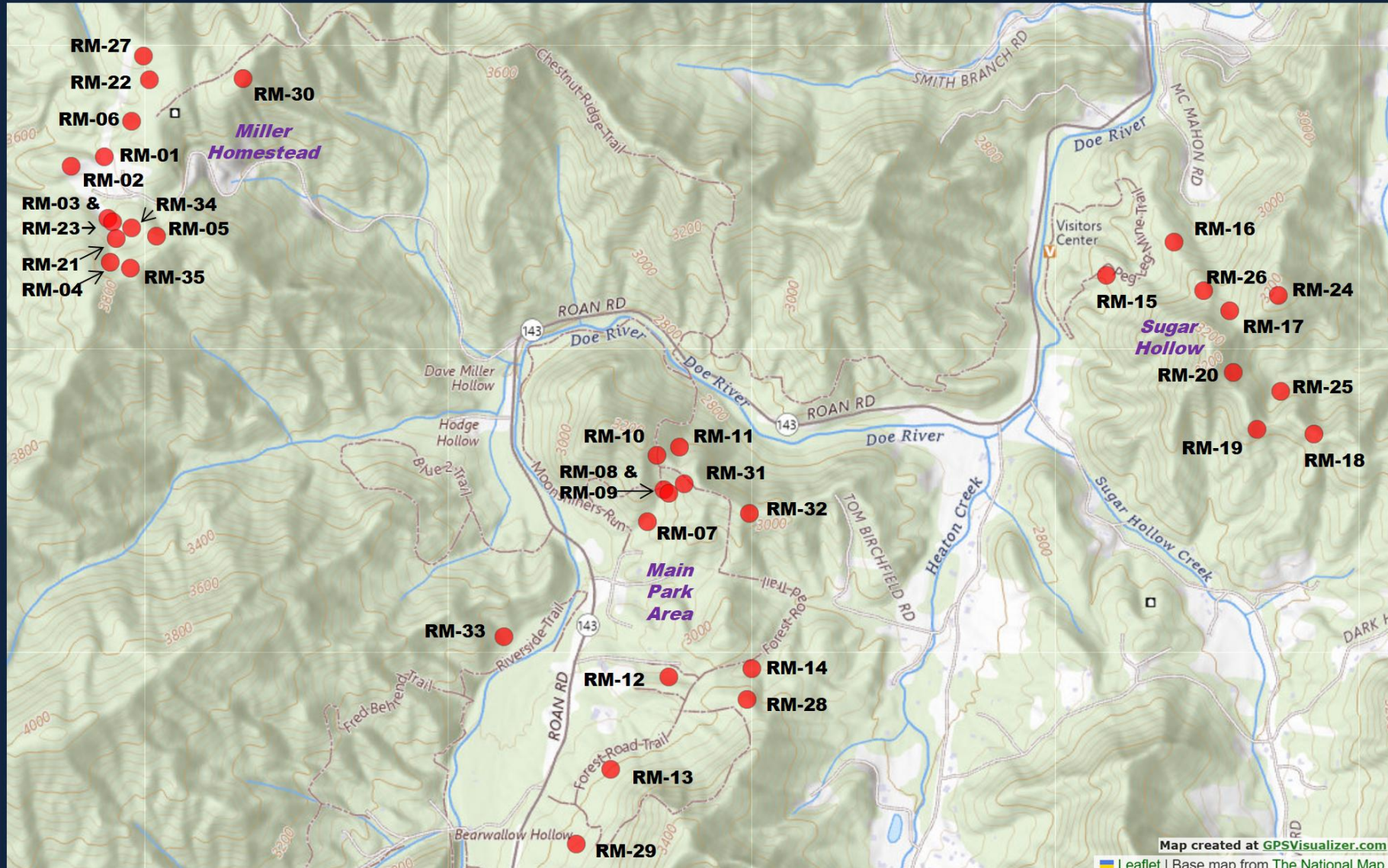
Notice: All "still videos" shown throughout this report were recorded by R.G. Middleton, 2024.

Camera Surveys at TN State Parks: 2024

Roan Mountain State Park (RMSP)



ROAN MOUNTAIN STATE PARK 2024 TRAIL CAMERA LOCATIONS



ROAN MOUNTAIN STATE PARK: 2024 WILDLIFE LIST OF SPECIES

| CAMERA SITE ↓ | AREA ↓ | Bats | Bear, Black | Bobcat | Bird-of-Prey | Chipmunk, Eastern | Coyote | Creepers, Brown | Crow | Deer, White-tailed | Fox, Gray | Fox, Red | Grouse, Ruffed | Hawk, Red-tail | Mammal, Small | Opossum, Virginia | Owl, Barred | Owl, Screech | Rabbit, Cottontail | Raccoon | Robin | Skunk, Striped | Squirrel, Flying | Squirrel, Gray | Thrasher, Brown | Turkey, Wild | Vulture, Black | Weasel, Long-tail | Woodpk., Downy | Woodpk., Pileated |
|---------------|--------------|------|-------------|--------|--------------|-------------------|--------|-----------------|------|--------------------|-----------|----------|----------------|----------------|---------------|-------------------|-------------|--------------|--------------------|---------|-------|----------------|------------------|----------------|-----------------|--------------|----------------|-------------------|----------------|-------------------|
| RM-01 | Miller Farm | ✓ | ✓ | | | | ✓ | | | ✓ | | | | | | | | | | ✓ | | | ✓ | ✓ | | | | | | ✓ |
| RM-02 | Miller Farm | ✓ | ✓ | ✓ | | | ✓ | | ✓ | ✓ | | | | | ✓ | ✓ | | | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | | ✓ | |
| RM-03 | Miller Farm | ✓ | | | | | | | | ✓ | | | | | | | | | | | | | | | | | | | | |
| RM-04 | Miller Farm | ✓ | | | | | | | | ✓ | | | | | | | | | | | ✓ | | | | | | | | | |
| RM-05 | Miller Farm | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RM-06 | Miller Farm | ✓ | ✓ | | | | ✓ | | | ✓ | | | | | | | | | | ✓ | | | | | | ✓ | | | | |
| RM-07 | RMSP-Main | ✓ | | | | ✓ | ✓ | | ✓ | ✓ | | | | | | ✓ | | | ✓ | ✓ | | | | ✓ | | ✓ | | | | ✓ |
| RM-08 | RMSP-Main | ✓ | | | | | | | | ✓ | | | | | | | ✓ | | | ✓ | | | | ✓ | | | | | | |
| RM-09 | RMSP-Main | | ✓ | ✓ | | | ✓ | | | ✓ | | | | | | | | | | ✓ | | | | ✓ | | | | | | |
| RM-10 | RMSP-Main | | ✓ | | | | | | | ✓ | | | | | | | | | | | | | | | | | | | | |
| RM-11 | RMSP-Main | | ✓ | | | | | | | ✓ | | | | | | | | | | ✓ | | | | ✓ | | | | | | |
| RM-12 | RMSP-Main | ✓ | ✓ | | | | ✓ | | ✓ | ✓ | | | | | | | | | | ✓ | | | | ✓ | | ✓ | | | | |
| RM-13 | RMSP-Main | | | | | | | | ✓ | ✓ | | | | | | | | | | ✓ | | | | | | | | | | |
| RM-14 | RMSP-Main | ✓ | | | | | | | ✓ | ✓ | | | | | ✓ | | | | | | | | | | | | | | | |
| RM-15 | Sugar Hollow | | ✓ | | | | ✓ | ✓ | | ✓ | | | | | | | | | | ✓ | | | | ✓ | | | | ✓ | | |
| RM-16 | Sugar Hollow | | | | | ✓ | ✓ | | | ✓ | | | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | | | |
| RM-17 | Sugar Hollow | ✓ | ✓ | | | | ✓ | | | ✓ | ✓ | | | | | | ✓ | | | | | | | | | | | | | |
| RM-18 | Sugar Hollow | ✓ | ✓ | | | | ✓ | | | ✓ | | ✓ | | | | | | | | ✓ | | | | | | ✓ | | | | |

CONTINUED

BRIEF SUMMARY OF WILDLIFE CAMERA STUDY AT RMSP 2024

- 35 RMSP field sites were covered with trail camera surveillance from Mar-Dec 2024.
- 4,240 days/nights of combined video coverage at RMSP.
- 12,939 videos recorded and ALL were reviewed.
- Game animals observed: wild turkey, white-tailed deer, black bear, squirrels, & rabbits.
- We documented at least 29 RMSP wildlife species including a few birds.
- No mountain lion videos recorded at RMSP.
- No wild hogs were recorded at RMSP.

2024 RESULTS SUMMARY FOR ROAN MOUNTAIN STATE PARK

29 Wildlife Species Documented

BIRDS (n= 13)

- American crow
- barred owl
- bird-of-prey “group”
- black vulture
- brown creeper
- brown thrush
- crow
- downy woodpecker
- pileated woodpecker
- red-tailed hawk
- ruffed grouse
- screech owl
- wild turkey

SMALL MAMMALS (n= 6)

- bats
- eastern chipmunk
- eastern gray squirrel
- flying squirrel
- small mammal “group”
- weasel, long-tailed

MEDIUM MAMMALS (n= 4)

- cottontail rabbit
- raccoon
- striped skunk
- Virginia opossum

LARGE MAMMALS (n= 6)

- American black bear
- bobcat
- coyote
- gray fox
- red fox
- white-tailed deer

ROAN MOUNTAIN
STATE PARK-2024

American Black Bear (*Ursus americanus*)
Miller Homestead / Ridge Above Horse Barn



ROAN MOUNTAIN STATE PARK-2024

American Black Bear Family Group
Sugar Hollow Addition



78 F 26.92 inHg

TRAILCAM01

09/02/2024 05:52PM

American Black Bear

Roan Mountain State Park-2024

Sugar Hollow Addition

New Backcountry Campsite – Rosebay Ridge Trail

**Black Bears can
run up to 35 miles
per hour.**



58 F 27.26 inHg

TRAILCAM01

08/25/2024 06:51AM

ROAN MOUNTAIN STATE PARK-2024

American Black Bears Wrestling

Sugar Hollow Addition / Rosebay Ridge Trail
Crest of High Knob-Near Backcountry Campsite

Just playing or,
mating ritual (?).



Roan Mountain State Park

Barred Owl

Forest Spring & Wetland

Turkey Trot Trail Area



Roan Mountain State Park

Raven Rock Trail

Long-tailed Weasel



ND Game & Fish

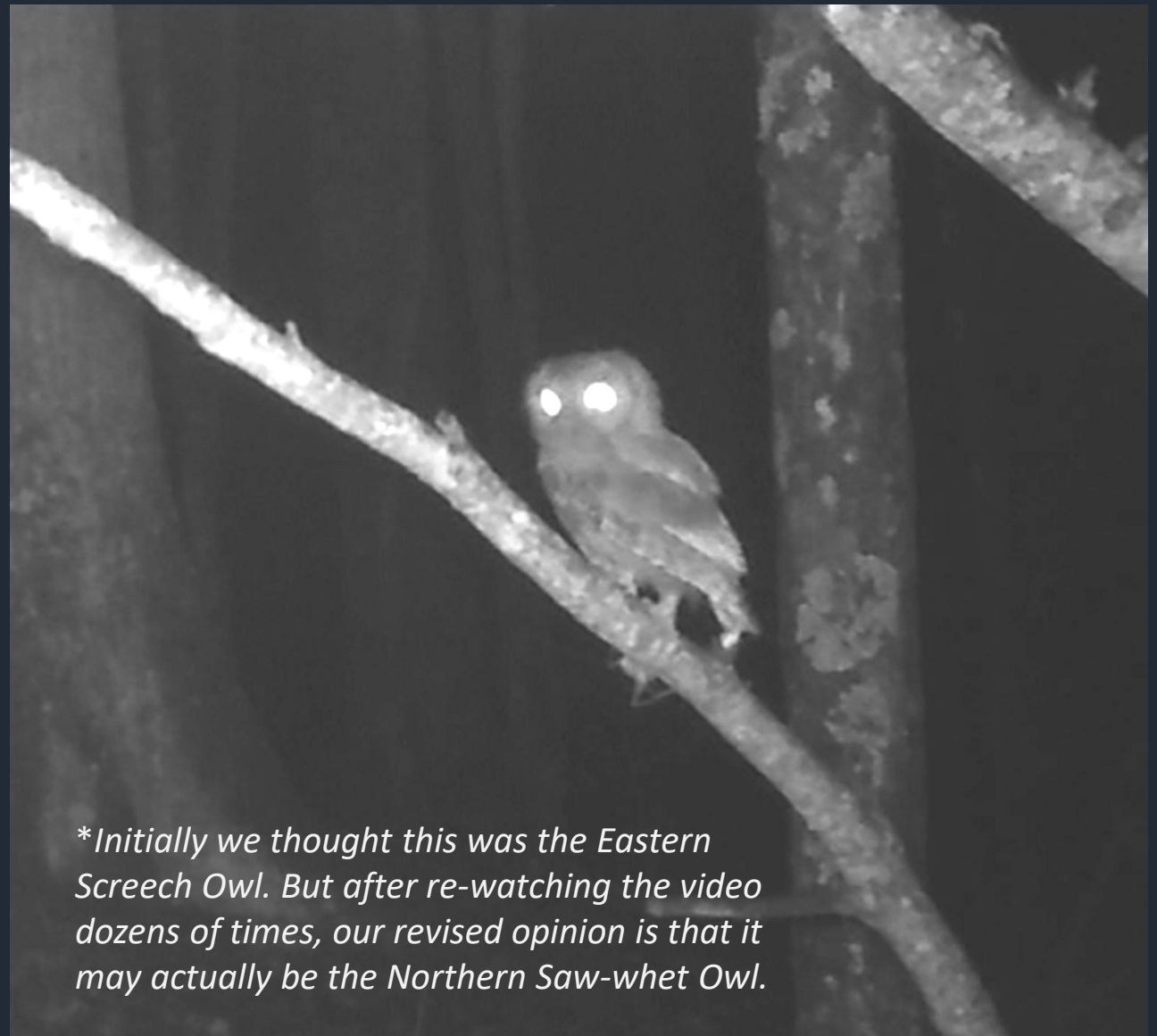
Northern Saw-whet Owl*

Aegolius acadicus

Roan Mountain State Park-2024

Raven Rock Trail

Camera Deployment Site Elevation = 3,200 feet



According to the TWRA, one of the good places to see the Northern Saw-whet owl in Tennessee is on Roan Mountain near the NC/TN border. **This owl is the smallest bird-of-prey in North America.**

VIRGINIA OPOSSUM*

Didelphis virginiana

**The Virginia opossum is the only marsupial native to North America (north of Mexico).*

Roan Mountain State Park-2024
Moonshiners Run Trail



63 F 27.05 inHg

TRAILCAM01

05/04/2024 09:45AM

STRIPED SKUNK

Mephitis-mephitis

- No conservation concerns in TN / hunted & trapped for their pelts.
- Accurately aims & shoots the overwhelming stinky musk up to 15 feet toward the threat.
- Composed of a yellow, oily, & highly volatile liquid of sulfur-based organic chemicals (thiols & thioacetates).



Roan Mountain State Park

Ridge Crest on Forest Road Trail

White-tailed Deer-Buck



66 F 26.93 inHg

TRAILCAM01

10/23/2024 06:10PM

American Black Bear

Roan Mountain State Park-2024

Sugar Hollow Addition / Rosebay Ridge Trail
Crest of High Knob-Near Backcountry Campsite



Bobcat with Prey

Roan Mountain State Park-2024

Sugar Hollow Addition / Rosebay Ridge Trail
Crest of High Knob-Near Backcountry Campsite



Roan Mountain State Park: Sugar Hollow

Rosebay Ridge Trail at Backcountry Camp with Springs

White-tailed Deer-Buck



64 F 27.17 inHg

TRAILCAM01

08/22/2024 07:33PM

Roan Mountain State Park

Bobcat (*Lynx rufus*)
Forest Road Trail junction
with Turkey Trot Trail

*Note the “leopard-like” coat
on this bobcat.*



Roan Mountain State Park

Coyote (*Canis latrans*)

Miller Homestead

Ridgeside Above Horse Barn



55 F

TRAIL CAM01

04/09/2024 07:49AM

Roan Mountain State Park-2024

Coyote with Prey in its Mouth

Miller Homestead

Ridgeside Above Horse Barn



60 F

TRAILCAM01

04/02/2024 08:03AM

Red Fox (*Vulpes vulpes*)
Roan Mountain State Park-2024
Sugar Hollow Addition / Rosebay Ridge Trail
Crest of High Knob-Near Backcountry Campsite



62F 26.61 inHg

TRAILCAM01

5/12/2024 07:22AM

Roan Mountain State Park

Forest Road Trail

Pileated Woodpecker



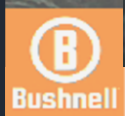
73 F 27.02 inHg

TRAILCAM01

08/01/2024 01:33PM

THANK YOU FOR YOUR TIME

Y'ALL COME BACK AND SEE US !!



06-13-2024 07:19:06