REPORT

VERTEBRATE SURVEYS

GRANDVIEW AREA

NEW RIVER GORGE NATIONAL RIVER

PREPARED BY:
THOMAS K. PAULEY
DEPARTMENT OF BIOLOGICAL SCIENCES
MARSHALL UNIVERSITY
HUNTINGTON, WEST VIRGINIA 25755

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has been observed to date in the "Potential Development Zones".

TABLE 1. Common habitat types with amphibians, reptiles, and mammals observed. Habitat types included mixed deciduous forest (MDF), open forest (OF), grassy areas (G), rock outcrops (RO), wetlands (W), creeks (C), seeps (S), pond (P), and road puddles (RP).

	HABITAT TYPES								
SALAMANDERS	MDF	OF	G	RO	W	C	S	P	RP
A. maculatum								X	
V. viridescens								X	
D. fuscus						X			
D. monticola						X			
D. ochrophaeus	X					X	X		
P. cinereus	X								
P. glutinosus	X								
P. kentucki	X			X					
H. scutatum					X				
G. porphyriticus						X	X		
A. AENEUS				X					
TOADS/FROGS									
B. americanus								X	X
P. crucifer								X	X
H. chrysoscelis								X	X
R. c. melanota								X	
R. palustris								X	
R. sylvatica								X	

TABLE 1. Continued - Reptiles

	HABITAT TYPES								
TURTLES	MDF	OF	G	RO	W	C	S	P	RP
C. serpentina								X	
T. carolina	X	X	X						
LIZARDS	NONE OBSERVED								
SNAKES									
N. sipedon								X	

TABLE 1. Continued - Mammals

	HABITAT TYPES								
RODENTS	MDF	OF	G	RO	W	C	S	P	RP
S. cinereus	X	X	X						
T. striatus	X	X							
P. maniculatus	X	X							
P. leucopus	X	X							
S. cooperi			X		X				
S. fumeus	X	X	X						
S. DISPAR	X	X			X				
N. insignis	X	X			X				

TABLE 2. Sites with amphibian, reptile, and mammal species observed.

Site 1.

General Location: Turkey Spur Rock; east side of road approximately 50 meters from parking area at Turkey Spur Rock.

Date: 5/18/92

Time: Day

Elevation: 2,320 ft.

Aspect: Southeast

Habitat: Road cut

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling techniques: Herp rake; hand

SITE 2.

General Location: Turkey Spur Rock; Along trail south of parking lot at Turkey Spur Rock.

Date: 5/18/92

Time: Day

Elevation: 2,320 ft.

Aspect: East

Habitat: Dry, mixed deciduous forest

Species:

Amphibians - red eft (*Notophthalmus v. viridescens*) - 3

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 3.

Location: Canyon Rim area

Date: 5/18/92

Time: Day

Elevation: 2,360 ft.

Aspect: East

Habitat: Rock outcrop; mixed deciduous forest

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

Site 4.

Location: Canyon Rim area

Date: 5/18/92

Time: Day

Elevation: 2,350 - 2,400 ft.

Aspect: East

Habitat: Rock outcrop; mixed deciduous forest

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 5.

Location: Canyon Rim area

Date: 5/18/92

Time: Day

Elevation: 2,350 - 2,400 ft.

Aspect: Northeast

Habitat: Mix deciduous forest; rock outcrops

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 6.

Location: Canyon Rim area

Date: 5/18/92

Time: Day

Elevation: 2,350- 2,400 ft.

Aspect: Northeast

Habitat: Mixed deciduous forest; rock outcrop

Species:

Amphibians - red eft (*Notophthalmus v. viridescens*) - 3

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 7.

General Location: 0.1 mile north of road to pond

Date: 5/18/92

Time: Day

Elevation: 2,410 ft.

Aspect: Northeast

Habitat: Small wetland

Species:

Amphibians - northern dusky salamander (*Desmognathus f. fuscus*) - 1; seal salamander (*Desmognathus monticola*) - 1; four-toed salamander (*Hemidactylium scutatum*) - 2 (both females on eggs); gray treefrog (*Hyla chrysoscelis*) - several calling.

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 8.

Location: Amphitheater

Date: 5/18/92

Time: Day

Elevation: 2,460 ft.

Aspect: North

Habitat: Grass Area

Species:

Amphibians - gray treefrog (Hyla chrysoscelis) - several calling.

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 9.

Location: Road between picnic area and dump site

Date: 5/18/92

Time: Day

Elevation: 2,414 ft.

Aspect: North

Habitat: Road puddles

Species:

Amphibians - eastern American toad (Bufo a. americanus) - 2

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 10.

Location: Dump site

Date: 5/18/92

Time: Day

Elevation: 2,410 ft.

Aspect: Flat

Habitat: Mixed deciduous forest

Species:

Amphibians - redback salamander (*Plethodon cinereus*) - 1

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 11.

Location: Dump site

Date: 5/18/92; 5/19/92; 5/20/92

Time: Day

Elevation: 2,400 ft.

Aspect: Flat

Habitat: In trash at dump

Species:

Amphibians: pickerel frog (*Rana palustris*) - 1

Reptiles: eastern box turtle (*Terrapene c. carolina*) - 1

Mammals: white-footed mouse (*Peromyscus leucopus*) - 4

Sampling Techniques: Herp rake; hand; small mammal snap traps; small mammal live traps (Sherman)

SITE 12.

Location: At dump site

Date: 5/18/92

Time: Day

Elevation: 2,400 ft.

Aspect: Flat

Habitat: Road puddles

Species:

Amphibians - eastern American toad (Bufo a. americanus)
- numerous larvae and 1 subadult.

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 13.

Location: Along road from dump site to end of "Potential Development Zone"

Date: 5/18/92

Time: Day

Elevation: 2,402 ft.

Aspect: West

Habitat: Edge of road; mixed deciduous forest.

Species:

Amphibians - slimy salamander (Plethodon glutinosus) - 1;
redback salamander (Plethodon cinereus) - 1;
eastern American Toad (Bufo a. americanus) - 1 juvenile and 1 calling.

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 14.

Location: Along road from dump site to end of "Potential Development Zone".

Date: 5/18/92

Time: Day

Elevation: 2,396 ft.

Aspect: West

Habitat: In road and at edge of road.

Species:

Amphibians - mountain dusky salamander (Desmognathus ochrophaeus)

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 15.

Location: Along road from dump site to end of "Potential Development Zone".

Date: 5/18/92

Time: Day

Elevation: 2,384 ft.

Aspect: West

Habitat: In road and at edge of road.

Species:

Amphibians - mountain dusky salamander (Desmognathus ochrophaeus) - 2; gray tree frog (Hyla chrysoscelis) - calling

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 16.

Location: North of road from dump site to New River; near edge of "Potential Development Zone".

Date: 5/18/92

Time: Day

Elevation: 2,390 ft.

Aspect: South to southwest

Habitat: Rock outcrop

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 17.

Location: Northwest of picnic area

Date: 5/18/92

Time: Day

Elevation: 2,370 - 2,380 ft.

Aspect: South

Habitat: Mixed deciduous forest

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 18.

Location: Northwest of picnic area

Date: 5/18/92

Time: Day

Elevation: 2,400 - 2,415 ft.

Aspect: Southwest

Habitat: Mixed deciduous forest

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 19.

Location: Maintenance area

Date: 5/18/92

Time: Day

Elevation: 2,420 - 2,460 ft.

Aspect: South to southwest

Habitat: Open forest

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 20.

Location: Amphitheater area

Date: 5/18/92

Time: Day

Elevation: 2,450 - 2,477 ft.

Aspect: Southwest; southeast

Habitat: Open grass; shrub

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 21.

Location: Outside of park area south of main overlook

Date: 5/18/92

Time: Night

Elevation: 2,500 ft.

Aspect: Flat

Habitat: Farm pond

Species:

Amphibians - northern spring peeper (*Pseudacris c. crucifer*) - several calling.

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 22.

Location: Picnic area south of main overlook

Date: 5/18/92

Time: Night

Elevation: 2,484 ft.

Aspect: Flat

Habitat: Open woods in picnic area

Species:

Amphibians - gray tree frog (*Hyla chrysoscelis*) - several calling from trees.

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 23.

Location: South of main overlook in "Potential Species/Sensitivity Area".

Date: 5/18/92

Time: Night

Elevation: 2,460 ft.

Aspect: East

Habitat: Rock outcrop

Species:

Amphibians - Cumberland Plateau salamander (Plethodon kentucki) - 1

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 24.

Location: South of main overlook in "Potential Species/Sensitivity Area".

Date: 5/18/92

Time: Night

Elevation: 2,460 ft.

Aspect: Northeast

Habitat: Rock outcrop

Species:

Amphibians - slimy salamander (Plethodon glutinosus) - 1;
redback salamander (Plethodon cinereus) - 3;
GREEN SALAMANDER (Aneides aeneus) -1.

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 25.

Location: South of main overlook in "Potential Species/Sensitivity Area."

Date: 5/18/92

Time: Night

Elevation: 2,460 ft.

Aspect: Northeast

Habitat: Rock outcrop

Species:

Amphibians - Cumberland Plateau salamander (*Plethodon kentucki*) -2; mountain dusky salamander (*Desmognathus ochrophaeus*) - 1.

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 26.

Location: South of main overlook in "Potential Species/Sensitivity Zone".

Date: 5/18/92

Time: Night

Elevation: 2,460 ft.

Aspect: Southeast

Habitat: Rock outcrop

Species:

Amphibians - Cumberland Plateau salamander (Plethodon kentucki) - 1; GREEN SALAMANDER (Aneides aeneus) - 1

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 27.

Location: Trail just south of main overlook in "Potential Species/Sensitivity Zone".

Date: 5/18/92

Time: Night

Elevation: 2,460 ft.

Aspect: Southeast

Habitat: Rock outcrop

Species:

Amphibians - Cumberland Plateau salamander (Plethodon kentucki) - 3

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 28.

Location: Main overlook

Date: 5/18/92

Time: Night

Elevation: 2,460 ft.

Aspect: East

Habitat: Rock outcrop

Species:

Amphibians - eastern American toad (Bufo a. americanus) - 1.

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 29.

Location: Castle Rock Trail; north of main overlook.

Date: 5/18/92

Time: Night

Elevation: 2,460 ft.

Aspect: Northeast

Habitat: Rock outcrop

Species:

Amphibians - Cumberland Plateau salamander (Plethodon kentucki) - 2.

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 30.

Location: Castle Rock Trail; north of main overlook.

Date: 5/18/92

Time: Night

Elevation: 2,460 ft.

Aspect: Northeast

Habitat: Rock outcrop

Species:

Amphibians - Cumberland Plateau salamander (Plethodon kentucki) - 3

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 31.

Location: Castle Rock Trail; north of main overlook

Date: 5/18/92

Time: Night

Elevation: 2,460 ft.

Aspect: Northeast

Habitat: Rock outcrop

Species:

Amphibians - Cumberland Plateau salamander (Plethodon kentucki) - 4

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 32.

Location: Castle Rock Trail; north of main overlook

Date: 5/18/92

Time: Night

Elevation: 2,450 ft.

Aspect: Northeast

Habitat: Rock outcrop

Species:

Amphibians - Cumberland Plateau salamander (Plethodon kentucki) - 2

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 33.

Location: West of Turkey Spur Road

Date: 5/19/92; 5/20/92; 5/21/92

Time: Day and Night

Elevation: 2,420 - 2,437 ft.

Aspect: Small Knoll with west, north, and south aspects.

Habitat: Open grassy area with an edge of shrubs and mixed deciduous forest.

Species:

Amphibians - redback salamander (Plethodon cinereus) - 1

Reptiles - eastern box turtle (Terrapene c. carolina) -1

Mammals - eastern chipmunk (Tamias striatus) - 2; white-footed mouse (Peromyscus leucopus) - 7; deer mouse (Peromyscus maniculatus) 1; masked shrew (Sores cinereus); southern bog lemming (Synaptomys cooperi) - 3.

Sampling Techniques: Herp rake; hand; small mammal snap traps; small mammal live traps (Sherman)

SITE 34.

Location: West of Turkey Spur Road

Date: 5/19/92; 5/20/92

Time: Day and Night

Elevation: 2,380 - 2,420 ft.

Aspect: West to northwest and southwest

Habitat: Mixed deciduous forest

Species:

Amphibians - slimy salamander (*Plethodon glutinosus*) - 1; Cumberland Plateau salamander (*Plethodon kentucki*) - 1

Reptiles - None

Mammals - white-footed mouse (*Peromyscus leucopus*) - 3

Sampling Techniques: Herp rake; hand; small mammal snap traps; small mammal live traps (Sherman)

SITE 35.

Location: West of Turkey Spur Road

Date: 5/19/92; 5/20/92; 5/21/92

Time: Day and Night

Elevation: 2,380 -2,400 ft.

Aspect: West to northwest and southwest

Habitat: Mixed deciduous forest

Species:

Amphibians - eastern American toad (Bufo a. americanus) - 1 subadult

Reptiles - None

Mammals - white-footed mouse (Peromyscus leucopus) - 6

Sampling Techniques: Herp rake; hand; small mammal snap traps; small mammal live traps (Sherman)

SITE 36.

Location: West of Turkey Spur Road

Date: 5/20/92

Time: Day and Night

Elevation: 2,392 -2,406 ft.

Aspect: West to southwest

Habitat: Mixed deciduous forest

Species:

Amphibians - Cumberland Plateau salamander (*Plethodon kentucki*) -1; eastern American toad (*Bufo a. americanus*) - 2

Reptiles - None

Mammals - deer mouse (*Peromyscus maniculatus*) - 5

Sampling Techniques: Herp rake; hand; small mammal snap traps; small mammal live traps (Sherman)

SITE 37.

Location: West of Turkey Spur Rock

Date: 5/19/92; 5/20/92

Time: Day and Night

Elevation: 2,380 - 2,413 ft.

Aspect: South

Habitat: Mixed, deciduous forest

Species:

Amphibians - redback salamander (Plethodon cinereus) - 1

Reptiles - None

Mammals - eastern chipmunk (Tamias striatus) - 2; white -footed mouse (Peromyscus leucopus) - 13

Sampling Techniques: herp rake; hand; small mammal snap traps; small mammal live traps (Sherman)

SITE 38.

Location: Ridge west of picnic area

Date: 5/19/92

Time: Day

Elevation: 2,420 - 2,434 ft.

Aspect: West

Habitat: Mixed, deciduous forest

Species:

Amphibians - red back salamander (Plethodon cinereus) - 4; Cumberland Plateau salamander (Plethodon kentucki) - 2

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 39.

Location: Ridge west of picnic area

Date: 5/19/92

Time: Day

Elevation: 2,400 - 2,420 ft.

Aspect: West

Habitat: Mixed, deciduous forest

Species:

Amphibians - Cumberland Plateau salamander (*Plethodon kentucki*) - 1; red eft (*Notophthalmus v. viridescens*) - 1

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 40.

Location: Ridge west of picnic area

Date: 5/19/92

Time: Day

Elevation: 2,380 - 2,400 ft.

Aspect: West

Habitat: Mixed, deciduous forest

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 41.

Location: Ridge west of picnic area

Date: 5/19/92

Time: Day

Elevation: 2,350 ft.

Aspect: West

Habitat: Mixed, deciduous forest; between ridges

Species:

Amphibians - slimy salamander (*Plethodon glutinosus*) -1; Cumberland Plateau salamander (*Plethodon kentucki*) - 2; eastern American toad (*Bufo a. americanus*) - 1

Reptiles - eastern box turtle (*Terrapene c. carolina*) - 2

Mammals - None

Sampling Techniques: Herp rake; none

SITE 42.

Location: Ridge west of picnic area

Date: 5/19/92

Time: Day

Elevation: 2,400 - 2,420 ft.

Aspect: West

Habitat: Mixed, deciduous forest

Species:

Amphibians - redback salamander (Plethodon cinereus) - 3; Cumberland Plateau salamander (Plethodon kentucki) - 4; red eft (Notophthalmus v. viridescens) - 1

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 43.

Location: Ridge west of picnic area

Date: 5/19/92

Time: Day

Elevation: 2,420 - 2,428 ft.

Aspect: West

Habitat: Mixed, deciduous forest

Species:

Amphibians - redback salamander (Plethodon cinereus) - 1

Reptiles - eastern box turtle (Terrapene c. carolina) - 1

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 44.

Location: Picnic area

Date: 5/19/92

Time: Day

Elevation: 2,420 ft.

Aspect: South

Habitat: Open, mixed deciduous forest

Species:

Amphibians - redback salamander (Plethodon cinereus) - 1; Cumberland Plateau salamander (Plethodon kentucki) - 2

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 45.

Location: Ravine south of picnic area

Date: 5/19/92; 5/20/92

Time: Day

Elevation: 2,400 ft.

Aspect: Southwest

Habitat: Small creek in shallow ravine

Species:

Amphibians - mountain dusky salamander (Desmognathus ochrophaeus) -3

Reptiles - None

Mammals - white-footed mouse (Peromyscus leucopus) - 4

Sampling Techniques: Herp rake; hand; small mammal snap traps; small mammal live traps (Sherman)

SITE 46.

Location: Ravine southwest of picnic area

Date: 5/19/92

Time: Day

Elevation: 2,350 - 2,380 ft.

Aspect: Southwest

Habitat: Small creek in ravine

Species:

Amphibians - mountain dusky salamanders (Desmognathus ochrophaeus) - 7

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 47.

Location: Creek below dam of lake

Date: 5/19/92

Time: Day

Elevation: 2,340 - 2,350 ft.

Aspect: South

Habitat: First order creek

Species:

Amphibians - seal salamanders (Desmognathus monticola) - 4

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 48.

Location: Creek below dam of lake

Date: 5/19/92

Time: Day

Elevation: 2,350 - 2,370 ft.

Aspect: West

Habitat: Creek

Species:

Amphibians - mountain dusky salamander (Desmognathus ochrophaeus) - 1; seal salamander (Desmognathus monticola) - 1.

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 49.

Location: Pond

Date: 5/19/92; 5/20/92

Time: Day

Elevation: 2,360 - 2,380 ft.

Aspect: West

Habitat: Pond (in water and on bank)

Species:

Amphibians - spotted salamander (*Ambystoma maculatum*) - several larvae and egg masses; redback salamander (*Plethodon cinereus*) - 1; red-spotted newt (*Notophthalmus v. viridescens*) - several; northern spring peeper (*Pseudacris c. crucifer*) - several calling; green frog (*Rana clamitans melanota*) - 1

Reptiles - eastern box turtle (*Terrapene c. carolina*) - 1; northern water snake (*Nerodia s. sipedon*) - 2

Mammals - white-footed mouse (*Peromyscus leucopus*) - 8; deer mouse (*Peromyscus maniculatus*) - 3

Sampling Techniques: Herp rake; hand

SITE 50.

Location: South end of lake

Date: 5/19/92; 5/20/92; 5/21/92

Time: Day

Elevation: 2,378 ft.

Aspect: West

Habitat: Wetland at edge of lake

Species:

Amphibians - four-toed salamander (Hemidactylium scutatum) - 1 female brooding eggs

Reptiles - common snapping turtle (Chelydra s. serpentina) - 1; northern water snake (Nerodia s. sipedon) - 1

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 51.

Location: Road to maintenance building

Date: 5/19/92

Time: Day

Elevation: 2,396 ft.

Aspect: West

Habitat: Roadside ditch

Species:

Amphibians - northern dusky salamander (*Desmognathus f. fuscus*) - 1; mountain dusky salamander (*Desmognathus ochrophaeus*) -1

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake, hand

SITE 52.

Location: Creek near maintenance road

Date: 5/19/92

Time: Day

Elevation: 2,390 ft.

Aspect: Southwest

Habitat: Creek

Species:

Amphibians - northern dusky salamander (*Desmognathus f. fuscus*) -1; mountain dusky salamander (*Desmognathus ochrophaeus*) - 1

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 53.

Location: Turkey Spur Rock

Date: 5/19/92

Time: Night

Elevation: 2,350 ft.

Aspect: West

Habitat: Rock outcrop

Species:

Amphibians - GREEN SALAMANDER (Aneides aeneus) -1; eastern American toad (Bufo a. americanus) -1 subadult

Reptiles - None

Mammals - white-footed mouse (Peromyscus leucopus) - 3; deer mouse (Peromyscus maniculatus) - 4

Sampling Techniques: Flashlight; hand; small mammal snap traps; small mammal live traps (Sherman)

SITE 54.

Location: Bridge Trail south of picnic area

Date: 5/19/92

Time: Night

Elevation: 2,410 ft.

Aspect: South

Habitat: Open woods

Species:

Amphibians - redback salamander (Plethodon cinereus) - 2; Cumberland Plateau salamander (Plethodon kentucki) - 3

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 55.

Location: Creek southwest of picnic area

Date: 5/19/92

Time: Night

Elevation: 2,390 ft.

Aspect: South

Species:

Amphibians - northern dusky salamander (Desmognathus f. fuscus) - 1; mountain dusky salamander (Desmognathus ochrophaeus) - 1

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 56.

Location: Forest north of lake

Date: 5/19/92

Time: Night

Elevation: 2,420 - 2,440 ft.

Aspect: Northwest

Habitat: Mixed deciduous forest

Species:

Amphibians - mountain dusky salamander (Desmognathus ochrophaeus) - 1; redback salamander (Plethodon cinereus) - 1; Cumberland Plateau salamander (Plethodon kentucki) - 2

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 57.

Location: Ridge north of lake

Date: 5/19/92

Time: Night

Elevation: 2,440 - 2,443 ft.

Aspect: Northwest

Habitat: Mixed deciduous forest

Species:

Amphibians - redback salamander (*Plethodon cinereus*) - 2; Cumberland Plateau salamander (*Plethodon kentucki*) - 3

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 58.

Location: Junction at Turkey Spur Road

Date: 5/19/92

Time: Night

Elevation: 2,450 - 2,460 ft.

Aspect: Southeast

Habitat: Mixed deciduous forest

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 59.

Location: Turkey Spur Rock

Date: 5/19/92

Time: Night

Elevation: 2,344 ft.

Aspect: Northeast

Habitat: Emergent Rock

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 60.

Location: West of Turkey Spur Road; northwest of site 29.

Date: 5/20/92

Time: Day and Night

Elevation: 2,288 - 2,412 ft.

Aspect: Northeast

Habitat: Mixed, deciduous forest

Species:

Amphibians - None

Reptiles - None

Mammals - white-footed mouse (Peromyscus leucopus) - 2

Sampling Techniques: Herp rake; hand; small mammal snap traps; small mammal live traps (Sherman)

SITE 61.

Location: South of Turkey Spur Rock

Date: 5/20/92

Time: Day

Elevation: 2,370 - 2,409 ft.

Aspect: West

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 62.

Location: Ridge south of lake

Date: 5/20/92

Time: Day

Elevation: 2,420 - 2,440 ft.

Aspect: North and west

Habitat: Dry, mixed deciduous forest

Species:

Amphibians - redback salamander (Plethodon cinereus) - 1

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 63.

Location: Ridge south of lake

Date: 5/20/92

Time: Day

Elevation: 2,360 - 2,410 ft.

Aspect: West

Habitat: Dry, mixed deciduous forest

Species:

Amphibians - redback salamander (Plethodon cinereus) - 11; Cumberland Plateau salamander (Plethodon kentucki) - 1

Reptiles - None

Mammals - None

SITE 64.

Location: Area south of lake

Date: 5/20/92

Time: Day

Elevation: 2,410 ft.

Aspect: West

Habitat: Small ravine with seep

Species:

Amphibians - northern spring salamander (Gyrinophilus p. porphyriticus) - 1

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 65.

Location: Ridge south of lake

Date: 5/20/92

Time: Day

Elevation: 2,400 - 2,440 ft.

Aspect: West to southwest

Habitat: Mixed deciduous forest

Species:

Amphibians - redback salamander (Plethodon cinereus) -2

Reptiles - None

Mammals - None

Sampling Techniques: Herp rake; hand

SITE 66.

Location: South of lake

Date: 5/20/92

Time: Day

Elevation: 2,410 ft.

Aspect: West

Habitat: Ravine with creek

Species:

Amphibians - None

Reptiles - None

Mammals - None

SITE 67.

Location: Northeast of lake

Date: 5/20/92

Time: Night

Elevation: 2,390 ft.

Aspect: Southeast

Habitat: Small rock outcrop

Species:

Amphibians - None

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand

SITE 68.

Location: Lake

Date: 5/20/92; 6/26/92; 8/21/92

Time: Night

Elevation: 2,390 ft.

Aspect: Flat

Habitat: Lake

Species:

Amphibians - spotted salamander (Ambystoma maculatum) - several larvae; red-spotted newt (Notophthalmus v. viridescens) - several; northern spring peeper (Pseudacris c. crucifer) - several; gray tree frog (Hyla chrysoscelis) - calling; green frog (Rana clamitans melanota) - several calling and several larvae; pickerel frog (Rana palustris) - calling and several froglets

Reptiles - None

Mammals - None

Sampling Techniques: Flashlight; hand; dip nets; funnel traps, small mammal snap traps; small mammal live traps (Sherman)

SITE 69.

Location: Turkey Spur Rock

Date: 6/10/92; 6/26/92; 7/13/79; 7/27/92; 8/21/92

Time: Checked during day

Elevation: 2,320 ft.

Aspect: Southeast

Habitat: Rock outcrop

Species:

Amphibians - slimy salamander (Plethodon glutinosus) - 3;

Reptiles - none

Mammals - masked shrew (Sorex cinereus) - 4; LONG-TAILED SHREW (SOREX DISPAR) - 1; smokey shrew (Sorex fumeus) - 1;

Sampling Techniques: 1/2 gallon pitfall traps

SITE 70.

Location: North of pond

Date: 6/10/92; 6/26/92; 7/13/92; 7/27/92; 8/21/92

Time: Checked during day

Elevation: 2,420 ft.

Aspect: South

Habitat: Mixed deciduous forest

Species:

Amphibians - redback salamander (Plethodon cinereus) - 1

Reptiles - None

Mammals - white-footed mouse (Peromyscus leucopus) - 1; masked shrew (Sorex cinereus) - 2

Sampling Techniques: Two 50-gallon pitfalls with drift fence

SITE 71.

Location: Pond

Date: 6/10/92; 6/26/92; 7/13/92; 7/27/92; 8/21/92

Time: Checked during day

Elevation: 2,380 ft.

Aspect: Northeast

Habitat: Edge of pond

Species:

Amphibians - mountain dusky salamander (Desmognathus ochrophaeus) - 1; redback salamander (Plethodon cinereus) - 3; eastern American toad (Bufo a. americanus) - 3; pickerel frog (Rana palustris) - 2; green frog (Rana clamitans melanota) - 1; wood frog (Rana sylvatica) - 6

Reptiles - eastern box turtle (Terrapene c. carolina) - 2

Mammals - white-footed mouse (Peromyscus leucopus) - 1; masked shrew (Sorex cinereus) - 3; smoky shrew (Sorex fumeus) - 1; woodland jumping mouse (Napaeozapus insignis) - 1

Sampling Techniques: Two 5-gallon pitfalls with drift fence

TABLE 3. Birds observed in habitats at Grandview. Habitats included dry, mixed deciduous forest (MDF), coniferous forest (CF), ravine (R), open forest (OF), grassy areas with edge of shrubs or trees (G), rock outcrops (RO), and pond (P).

	HABITAT TYPES							
SPECIES	MDF	CF	R	OF	G	RO	C	P
Canada Goose								X
Wood Duck								X
Turkey Vulture						X		
BLACK VULTURE						X		
Red-tailed Hawk						X		
Broad-winged Hawk						X		
PEREGRINE FALCON						X		
Turkey	X							
Common Nighthawk						X		
Chimney Swift					X	X		
Ruby-throated Hummingbird					X			
Belted Kingfisher								X
Common Flicker				X	X			
Pileated Woodpecker	X							
Yellow-bellied Sapsucker				X				
Downy Woodpecker	X							
Great Crested Flycatcher	X							
Eastern Phoebe				X				
Acadian Flycatcher			X					
Eastern Wood Pewee	X							

TABLE 3. Continued.

SPECIES	HABITAT TYPES							
	MDF	CF	R	OF	G	RO	C	P
OLIVE-SIDED FLYCATCHER	X							
Bank Swallow				X				
Blue Jay	X			X				
Common Raven						X		
American Crow	X			X				
Black-capped Chickadee	X			X				
Tufted Titmouse	X			X				
Winter Wren	X		X					
Carolina Wren				X	X			
Mockingbird					X			
Gray Catbird					X			
Brown Thrasher					X			
American Robin				X	X			
Wood Thrush	X		X					
Veery	X							
Eastern Bluebird					X			
Blue-gray Gnatcatcher				X				
Cedar Waxwing					X	X		
Solitary Vireo	X							
Red-eyed Vireo	X							
Black & White Warbler	X							
Magnolia Warbler		X						

Table 3. Continued.

	HABITAT TYPES							
SPECIES	MDF	CF	R	OF	G	RO	C	P
Black-throated Green Warbler	X							
Black-throated Blue Warbler	X							
Pine Warbler					X			
Oven Bird	X							
Louisiana Waterthrush							X	
Kentucky Warbler			X		X			
Common Yellowthroat					X			
Hooded Warbler			X					
Canada Warbler					X			
American Redstart	X							
Eastern Meadowlark					X			
Red-winged Blackbird								X
Northern Oriole					X			
Common Grackle					X			
Brown-headed Cowbird					X			
Scarlet Tanager	X							
Cardinal					X			
Rose-breasted Grosbeak		X						
Indigo Bunting					X			
American Goldfinch					X			
Rufous-sided Towhee					X			
Chipping Sparrow					X			
Song Sparrow					X			

TABLE 4. Amphibian and reptile species observed by site.

AMPHIBIANS	SITE
Ambystoma maculatum (spotted salamander)	49, 68
Notophthalmus v. viridescens (red-spotted newt, red eft)	2, 6, 39, 42, 49, 68
Desmognathus f. fuscus (northern dusky salamander)	7, 51, 52, 55
Desmognathus ochrophaeus (mountain dusky salamander)	14, 15, 24, 45, 46, 48 51, 52, 55, 56, 71
Desmognathus monticola (seal salamander)	7, 47, 48
Plethodon cinereus (redback salamander)	10, 13, 24, 33, 34, 37, 38, 42, 43, 44, 49, 54, 56, 57, 62, 63, 65, 70, 71
Plethodon glutinosus (slimy salamander)	13, 24, 41, 69
Plethodon kentucki (Cumberland Plateau salamander)	23, 24, 26, 27, 29, 30, 31, 32, 34, 36, 38, 39, 41, 42, 44, 54, 56, 57, 63
Hemidactylium scutatum (four-toed salamander)	7, 50
Gyrinophilus p. porphyriticus (northern spring salamander)	64
ANEIDES AENEUS (GREEN SALAMANDER)	24, 26, 53
Bufo a. americanus (eastern American toad)	9, 12, 13, 28, 35, 36, 41, 53, 71
Pseudacris c. crucifer (northern spring peeper)	21, 49, 68
Hyla chrysoscelis (gray treefrog)	7, 8, 15, 22, 68
Rana clamitans melanota (green frog)	49, 68, 71

TABLE 4. Amphibians Continued.

AMPHIBIANS	SITE
Rana sylvatica (wood frog)	71
Rana palustris (pickerel frog)	11, 68, 71

TABLE 4. Continued.

REPTILES	SITE
Chelydra s. serpentina (common snapping turtle)	50
Terrapene c. carolina (eastern box turtle)	11, 33, 41, 43, 49, 71
Nerodia s. sipedon (northern water snake)	49, 50

TABLE 4. Continued

MAMMALS	SITE
Sorex cinereus (masked shrew)	33, 69, 70, 71
Sorex fumeus (smoky shrew)	69, 71
SOREX DISPAR (LONG-TAILED SHREW)	69
Tamias striatus (eastern chipmunk)	33, 37
Peromyscus maniculatus (deer mouse)	33, 36, 49, 53
Peromyscus leucopus (white-footed mouse)	11, 33, 34, 35, 37 45, 49, 53, 70, 71
Synaptomys cooperi (southern bog lemming)	33
Napaeozapus insignis (woodland jumping mouse)	71

** Several other species of mammals were observed throughout the Grandview area. These included white-tailed deer (Odocoileus virginianus), Virginia opossum (Didelphis virginiana), woodchuck (Marmota monax), eastern gray squirrel (Sciurus carolinensis), fox squirrel (Sciurus niger), and raccoon (Procyon lotor).

TABLE 5. Species of concern that could occur at Grandview.

	HABITAT
AMPHIBIANS	
Ambystoma jeffersonianum (Jefferson salamander)	Pond, road puddles
Eurycea lucifuga (cave salamander)	Caves, deep rock crevices, abandoned coal mines
REPTILES	
Scincella lateralis (ground skink)	Dry forest, rock outcrops
Eumeces laticeps (broadhead skink)	Dry forest, rock out crops
BIRDS	
Accipiter cooperii (Cooper's hawk)	Deciduous forest
Vermivora chrysoptera (golden-winged warbler)	Variety of edge types adjacent to deciduous forest
MAMMALS	
Sorex dispar (long-tailed shrew)	Mixed deciduous forest
Sorex hoyi (pygmy shrew)	Well-drained mixed deciduous forest
Microtus chrotorrhinus (rock vole)	Rock outcrops, emergent rocks
Spilogale putorius (spotted skunk)	Dry rocky forest


Strip Mine
Turkey Spur
Rock
2400
800
Mine
2200
GRANDVIEW STATE PARK
Gate
Picnic Area
2000
Picnic Area
Amph theater
8M
1215
2400
2400