

**APPENDIX I. BATS CAPTURED DURING MIST NETTING SURVEY**



Site	Date	Time	Species	Reproductive Cond	Age	Sex	Weight (g)	Forearm (mm)	Net	Band No KY-F&W	Notes
GM-Memphis Jct. 1	7/18/05	00:35	<i>Myotis grisescens</i>	PL	A	F	11.1	43	A	A11828	
GM-Memphis Jct. 1	7/21/05	22:15	<i>Lasiurus borealis</i>	NR	J	F	9.8	42	A	A11602	
GM-Memphis Jct. 1	7/21/05	23:10	<i>Myotis grisescens</i>	TD	A	M	10.8	44	B	A11607	
GM-Memphis Jct. 1	7/21/05	00:00	<i>Myotis grisescens</i>	NR	A	M	10.8	43	A	A11634	
GM-Memphis Jct. 1	7/21/05	00:58	<i>Myotis grisescens</i>	NR	J	F	10.0	43	A	A11612	
GM-Memphis Jct. 1	7/21/05	01:55	<i>Myotis grisescens</i>	NR	A	M	10.4	43	B	A11626	
GM-Memphis Jct. 1	7/21/05	01:55	<i>Myotis grisescens</i>	TD	A	M	10.4	43	B	A11633	
GM-Memphis Jct. 1	7/21/05	02:05	<i>Pipistrellus subflavus</i>	NR	J	M	5.1	34	A	No Band	Too small for banding
GM-Memphis Jct. 2	7/20/05	21:17	<i>Lasiurus borealis</i>	-	-	-	-	-	A	No Band	Got out of net
GM-Memphis Jct. 2	7/20/05	21:35	<i>Lasiurus borealis</i>	PL	A	F	13.6	41	A	A11786	
GM-Memphis Jct. 2	7/20/05	21:35	<i>Eptesicus fuscus</i>	PL	A	F	18.5	47	A	A11776	
GM-Memphis Jct. 2	7/20/05	22:20	<i>Eptesicus fuscus</i>	NR	A	F	23.0	49	A	A11763	
GM-Memphis Jct. 2	7/20/05	22:20	<i>Eptesicus fuscus</i>	NR	A	M	17.0	47	A	A11754	
GM-Memphis Jct. 2	7/20/05	22:20	<i>Eptesicus fuscus</i>	PL	A	F	20.5	46	A	A11767	
GM-Memphis Jct. 2	7/20/05	22:20	<i>Eptesicus fuscus</i>	NR	A	F	19.5	48	A	A11756	
GM-Memphis Jct. 2	7/20/05	22:30	<i>Eptesicus fuscus</i>	NR	J	F	15.0	46	A	A11783	
GM-Memphis Jct. 2	7/20/05	22:35	<i>Eptesicus fuscus</i>	-	-	-	-	-	-	A11763	Recapture
GM-Memphis Jct. 2	7/20/05	22:50	<i>Lasiurus borealis</i>	NR	J	F	12.5	42	A	A11757	
GM-Memphis Jct. 2	7/20/05	22:56	<i>Eptesicus fuscus</i>	NR	A	M	17.7	46	A	A11774	
GM-Memphis Jct. 2	7/20/05	22:56	<i>Eptesicus fuscus</i>	NR	J	F	21	48	A	A11840	
GM-Memphis Jct. 2	7/20/05	22:56	<i>Eptesicus fuscus</i>	NR	J	F	13.3	44	A	A11830	
GM-Memphis Jct. 2	7/20/05	23:10	<i>Lasiurus borealis</i>	-	-	-	-	-	A	No Band	Got out of net
GM-Memphis Jct. 2	7/20/05	00:05	<i>Eptesicus fuscus</i>	NR	J	F	17.5	49	A	A11794	
GM-Memphis Jct. 2	7/21/05	21:25	<i>Pipistrellus subflavus</i>	NR	J	M	4.0	33	A	A11138	
GM-Memphis Jct. 2	7/21/05	22:20	<i>Eptesicus fuscus</i>	PL	A	F	22.7	47	B	A11149	
GM-Memphis Jct. 2	7/21/05	22:20	<i>Eptesicus fuscus</i>	-	-	-	-	-	B	No Band	Got out of net



Site	Date	Time	Species	Reproductive Cond	Age	Sex	Weight (g)	Forearm (mm)	Net	Band No KY-F&W	Notes
GM-Memphis Jct. 2	7/21/05	23:10	<i>Eptesicus fuscus</i>	PL	A	F	18.6	44	B	A11126	
GM-Memphis Jct. 2	7/21/05	23:19	<i>Eptesicus fuscus</i>	NR	J	F	15.5	45	A	A11101	
GM-Memphis Jct. 2	7/21/05	23:35	<i>Eptesicus fuscus</i>	PL	A	F	17.5	45	B	A11129	
GM-Memphis Jct. 2	7/21/05	00:00	<i>Eptesicus fuscus</i>	NR	J	M	16.5	46	A	A11102	
GM-Memphis Jct. 2	7/21/05	00:30	<i>Eptesicus fuscus</i>	-	-	-	-	-	B	A11101	
GM-Memphis Jct. 2	7/21/05	00:30	<i>Pipistrellus subflavus</i>	NR	J	M	5.1	31	B	A11130	
GM-Memphis Jct. 2	7/21/05	01:15	<i>Eptesicus fuscus</i>	PL	A	F	20.9	47	B	A11115	
GM-Memphis Jct. 2	7/21/05	02:00	<i>Eptesicus fuscus</i>	PL	A	F	18.9	49	B	A11122	

A = Adult  
 J = Juvenile  
 F = Female  
 M = Male

L = Lactating  
 PL = Post Lactating  
 P = Pregnant  
 S = Scrotal

NR = Non-reproductive  
 U = Unknown

**APPENDIX II. PHOTOGRAPHS OF NET SITES**

Net Site 1. Jennings Creek east of KY 2665 bridge



Nets A and B on same stream corridor

Net Site 2. Private road running parallel to the south side of the Barren River, north of US 31W near the KY 3225 junction



Net A



Net B

**APPENDIX III. MIST NETTING DATA SHEETS**

# East Kentucky Power Mist Netting Data Sheet

01A

Date: 7-18-05 Project: GM - Memphis Jet County: Warren Quad: BG North  
 Location: Glen Lily Rd (26605) + Jennings Creek Anabat #: \_\_\_\_\_  
 Start Time: 9:00 Start Temp: 85 End Time: 2:00 End Temp: 70°  
 Weather: Clear + humid Wind: — Personnel: RS, MCT

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
1	1235	<i>M. griseascens</i>	F/PL	A	11.1	43	A/12	A11822	
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5 Description: GPS # 1 GM-MJNS Message: Jennings Creek  
 36.99995 N 86.48525 W

ok take photo



# East Kentucky Power Mist Netting Data Sheet

D/B

Date: 7/21/05 Project: GM-Memphis St County: Warren Quad: Bowling Green South  
 Location: Jennings Creek approx. 0.5km downstream of Green Lily Rd.  
 Start Time: 9:00 Start Temp: 80.0°F End Time: 2:00 End Temp: 74.5  
 Weather: Hot, Humid, Clear Wind: calm Personnel: ITV, JES

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: <u>XY:W</u>	Transmitter Frequency
1	10:15	<i>L. borealis</i>	F	YOY	9.8	42	A/4'	A11602	
2	11:10	<i>M. grisescens</i>	M/TD	A	10.4	44	B/12'	A11607	
3	12:00	<i>M. grisescens</i>	M	A	10.8	43	A-14'	A11634	
4	12:58	<i>M. grisescens</i>	F	YOY	10.0	43	A-13'	A11612	
5	1:55	<i>M. gris.</i>	M	A	10.4	43	B/15'	A11626	
6	1:55	<i>M. gris.</i>	M/TD	A	10.4	43	B/15'	A11633	
7	2:05	<i>Pip. sub</i>	M	YOY	5.1	34	A/12'	No Band	
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Site Description: Nets over stream corridor with good canopy closure  
 Stream corridor is bordered by approx 20ft riparian zone - on either side is open pasture

# East Kentucky Power Mist Netting Data Sheet

2A

Date: 7-20-05 Project: GM - Memphis Junction County: Warren Quad: Bowing Green 11

Location: Barren River - Private property off 31W Anabat #: \_\_\_\_\_

Start Time: 7:00pm Start Temp: 85° End Time: 2:00am End Temp: \_\_\_\_\_

Weather: 20% hot and humid Wind: 0 mph Personnel: MCT, JNB

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
1	9:17	<i>L. borealis</i>	GOVT	OUT	OF	NET	A/12		
2	9:35	<i>L. borealis</i>	F/postloc	A	13.6	41	A/6	A11786	
3	9:37	<i>E. fus</i>	F/postloc	A	18.5	47	A/4	A11776	
4	9:40	<i>E. fus</i>	F/immature	A	23	49	A/7	A11763	
5	10:20	<i>E. fus</i>	M	A	17	47	A/10	A11754	
6	10:20	<i>E. fus</i>	F/postloc	A	20.5	46	A/5	A11767	
7	10:20	<i>E. fus</i>	F/immature	A	19.5	48	A/10	A11756	
8	10:30	<i>E. fus</i>	F/immature	10Y	15	46	A/12	A11783	
9	10:35	<i>E. fus</i>	F/immature	10Y			A	A11763	
10	10:50	<i>L. borealis</i>	F/immature	10Y	12.5	42	A/15	A11757	
11	10:50	<i>E. fus</i>	F	A	17.7	46	A/10	A11774	
12	10:56	<i>E. fus</i>	F	10Y	21	47	A/15	A11740	
13	10:56	<i>E. fus</i>	F/immature	10Y	13.3	47	A/15	A11730	
14	11:10	<i>L. borealis</i>	GOVT	OUT	OF	NET	A/16		
15	12:00	<i>E. fus</i>	F	10Y	22	49	A/6	A11794	
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Description: GPS # 1 GM 117 NS2 11000000 Barren River 31W  
 7.012811 86.41054 W

# East Kentucky Power Mist Netting Data Sheet

2B

Date: 7-21-05 Project: GM - Manuplus County: Warren Quad: Bowling Green N

Location: Private rd 10 Warehouse off 2100 (same as 7-21) Anabat #: \_\_\_\_\_

Start Time: 9:00pm Start Temp: 91.5° End Time: 2100 End Temp: 77

Weather: Clear, hot + HUMID Wind: 0-3 mph Personnel: SRB, JTB

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type:	Transmitter Frequency
1	9:00	P. sub.	M	YOY	4.0	33	A/6ft	A11135	
2	10:20	E. fus.	F/adult	F	22.5	47	C/5ft	A11149	
3	10:30	E. fus.	F/adult	F	22.5	47	C/5ft	_____	
4	11:10	E. fus.	F/adult	A	22.0	44	B/10ft	A11126	
5	11:19	E. fus.	F	YOY	15.5	45	A/3ft	A11101	
6	11:35	E. fus.	F/adult	F	17.5	45	B/4ft	A11129	
7	11:40	E. fus.	M	YOY	16.5	46	A/5	A11102	
8	12:30	E. fus.	F/adult	F	22.0	47	B/5	A11101	
9	12:30	P. sub.	M	YOY	5.1	31	B/8	A11130	
10	1:00	E. fus.	F/adult	F	22.0	47	E/10ft	A11101	
11	1:00	E. fus.	F/adult	F	18.9	45	B/5ft	A11101	
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Site Description:  
Same as 1/21

## APPENDIX IV. MISTNETTING GUIDELINES

# MIST NETTING GUIDELINES FROM INDIANA BAT RECOVERY PLAN

Agency Draft - March 1999

## RATIONALE

A typical mist net survey is an attempt to determine presence or probable absence of the species; it does not provide sufficient data to determine population size or structure. Following these guidelines will standardize procedures for mist netting. It will help maximize the potential for capture of Indiana bats at a minimum acceptable level of effort. Although the capture of bats confirms their presence, failure to catch bats does not absolutely confirm their absence. Netting effort as extensive as outlined below usually is sufficient to capture Indiana bats. However, there have been instances in which additional effort was necessary to detect the presence of the species.

## NETTING SEASON

May 15—August 15

These dates define acceptable limits for documenting the presence of summer populations of Indiana bats, especially maternity colonies. Several captures, including adult females and young of the year, indicate that a nursery colony is active in the area. Outside these dates, even when Indiana bats are caught, data should be carefully interpreted: If only a single bat is captured, it may be a transient or migratory individual.

## EQUIPMENT

Mist nets - Use the finest, lowest visibility mesh commercially available:

1. In the past, this is 1 ply, 40 denier monofilament—denoted 40/1
2. Currently, monofilament is not available and the finest on the market is 2 ply, 50 denier nylon—denoted 50/2
3. Mesh of approximately 1 1/4 - 1 3/4 in (~38 mm)

Hardware - No specific hardware is required. There are many suitable systems of ropes and/or poles to hold the nets. See NET PLACEMENT below for minimum net heights, habitats, and other netting requirements that affect the choice of hardware. The system of Gardner, et al. (1989) has met the test of time.

NET PLACEMENT Potential travel corridors such as streams or logging trails typically are the most effective places to net. Place the nets approximately perpendicular across the corridor. Nets should fill the corridor from side to side and from stream (or ground) level up to the overhanging canopy. A typical set is seven meters high consisting of three or more nets “stacked” on top one another and up to 20 m wide. (Different width nets may be purchased and used as the situation dictates.)

Agency Draft - March 1999

Occasionally it may be desirable to net where there is no good corridor. Take caution to get the nets up into the canopy. The typical equipment described in the section above may be inadequate for these situations, requiring innovation on the part of the observers.

#### RECOMMENDED NET SITE SPACING:

Stream corridors—one net site per km of stream.

Non-corridor land tracts—two net sites per square km of forested habitat.

#### MINIMUM LEVEL OF EFFORT

Netting at each site should consist of:

At least three net nights (unless bats are caught sooner) (one net set up for one night = one net night)

A minimum of two net locations at each site (at least 30 m apart, especially in linear habitat such as a stream corridor)

A minimum of two nights of netting

Sample Period: begin at sunset; net for at least 5 hr

Each net should be checked approximately every 20 min

No disturbance near the nets, other than to check nets and remove bats

#### WEATHER CONDITIONS

Severe weather adversely affects capture of bats. If Indiana bats are caught during weather extremes, it is probably because they are at the site and active despite inclement weather. On the other hand, if bats are not caught, it may be that there are bats at the site but they may be inactive due to the weather. Negative results combined with any of the following weather conditions throughout all or most of a sampling period are likely to require additional netting:

Precipitation

Temperatures below 10°C

Strong winds (Use good judgment: moving nets are more likely to be detected by bats.)

#### MOONLIGHT

There is some evidence that small myotome bats avoid brightly lit areas, perhaps as predator avoidance. It is typically best to set nets under the canopy where they are out of the moon light, particularly when the moon is half-full or greater.



**APPENDIX V. MIST-NETTING PROPOSAL**

July 11, 2005

Mr. Lee Andrews  
U.S. Fish and Wildlife Service  
Frankfort Field Office  
3761 Georgetown Rd.  
Frankfort, KY 40601

Dear Lee,

Enclosed is information concerning the Indiana Bat (*Myotis sodalis*) mist-netting survey plan for the following project being considered by East Kentucky Power Cooperative (EKPC):

### **General Motors – Memphis Junction 161 kV Transmission Line**

The project is approximately 10 miles in length and is located in Warren County in western Kentucky (See overview map). The line begins at the East Bowling Green/General Motors Substation northeast of Bowling Green and travels west along the northern edge of the city. It then turns southwest after the third Barren River crossing and extends to just east of Blue Level. At this point, the line travels south and ends at the Memphis Junction Substation, located southwest of Memphis Junction. The majority of the project involves rebuilding an existing line to increase it from 69 kV to 161 kV. A portion of the line, running from the second Barren River crossing to the Jennings Creek crossing, will be new line that parallels an existing line. Another section, extending from Blue Level south to the Memphis Junction Substation, will be new transmission line.

The parallel and rebuild sections of the line will require extensions of the current rights-of-ways (ROWs), with a maximum of 70 additional feet for the parallel section and 30 additional feet (15 on each side) for the rebuild section. The extension of the existing ROWs will require the clearing of some trees and could potentially affect the Indiana bat. Therefore, a mist-netting survey plan is being created to address this issue.

EKPC biologists surveyed the 10 miles of existing powerline ROW and concluded that approximately 2 miles are bordered by wooded areas. EKPC biologists classified the wooded areas into one of three categories: good, marginal, and poor. These categories are described as:

**Good** – the wooded areas provide adequate foraging habitat, potential roost trees, and are connected to other sections of habitat of the same quality.

**Marginal** – the wooded areas provide some opportunities for foraging, but the majority of the area has a thick understory. The trees in this designation are fairly young in age with little development of cavities, crevices, and exfoliating bark providing limited roosting opportunities for Indiana bats.



**Poor** – the wooded areas provide very little opportunity for foraging. The wooded areas have a dense understory, trees are very young, and the area resembles the late stages of old field succession. Potential roost sites are very limited and it is estimated that no potential roost trees occur in this habitat type.

The section of the line with the most wooded area begins west of the Natcher Parkway and extends southwest to KY 432. This section of the line is being rebuilt, but the current ROW is wide enough to accommodate the upgrade. Therefore, this section will not require any additional clearing of trees.

The remaining portion of the line contains less than 1 mile of wooded habitat. Two small, wooded areas contain woods that may provide habitat suitable for the Indiana bat. These areas are marked on the enclosed maps and described below.

- 1) **Barren River crossing (Map 1).** This site has good woods along both sides of the river, with wooded roads running parallel to the river on the north side. We propose one mist-netting site here over the river and along the roads.
- 2) **Jennings Creek crossing (Map 2).** This area contains good woods along the banks of the creek, with a larger area of woods located adjacent to the south side of the creek. One mist-netting site is proposed for this area over the creek.

Please review this proposal for a mist netting survey for the Indiana Bat. After surveying the project area, we feel this proposal is more than adequate to determine the presence/probable absence of this species in the project area. Once the survey has been completed, a detailed report of our results will be submitted to your office for comment. We are also in the process of surveying the project area for other federally threatened and endangered species that may occur there. We are surveying the area for species such as Price's potato-bean, Eggert's sunflower, and gray bats. We will submit the results of these surveys as well with the mist netting report.

I would appreciate your comments on this proposal for mist-netting as soon as possible. If you have any questions concerning this or any of our projects please feel free to contact me at your convenience. Thank you for taking the time to address our concerns.

Sincerely,

Joe Settles  
Supervisor  
Natural Resources and Environmental Communications



# East Kentucky Power Mist Netting Data Sheet

1A

Date: 7/9/05 Project: \_\_\_\_\_ County: Boone Quad: A10800010014 (NW)

Location: Point Knob Access Road

Start Time: 9:00am Start Temp: 79.5 End Time: 2:00pm End Temp: 77.0

Weather: Cloudy Wind: Light Personnel: \_\_\_\_\_

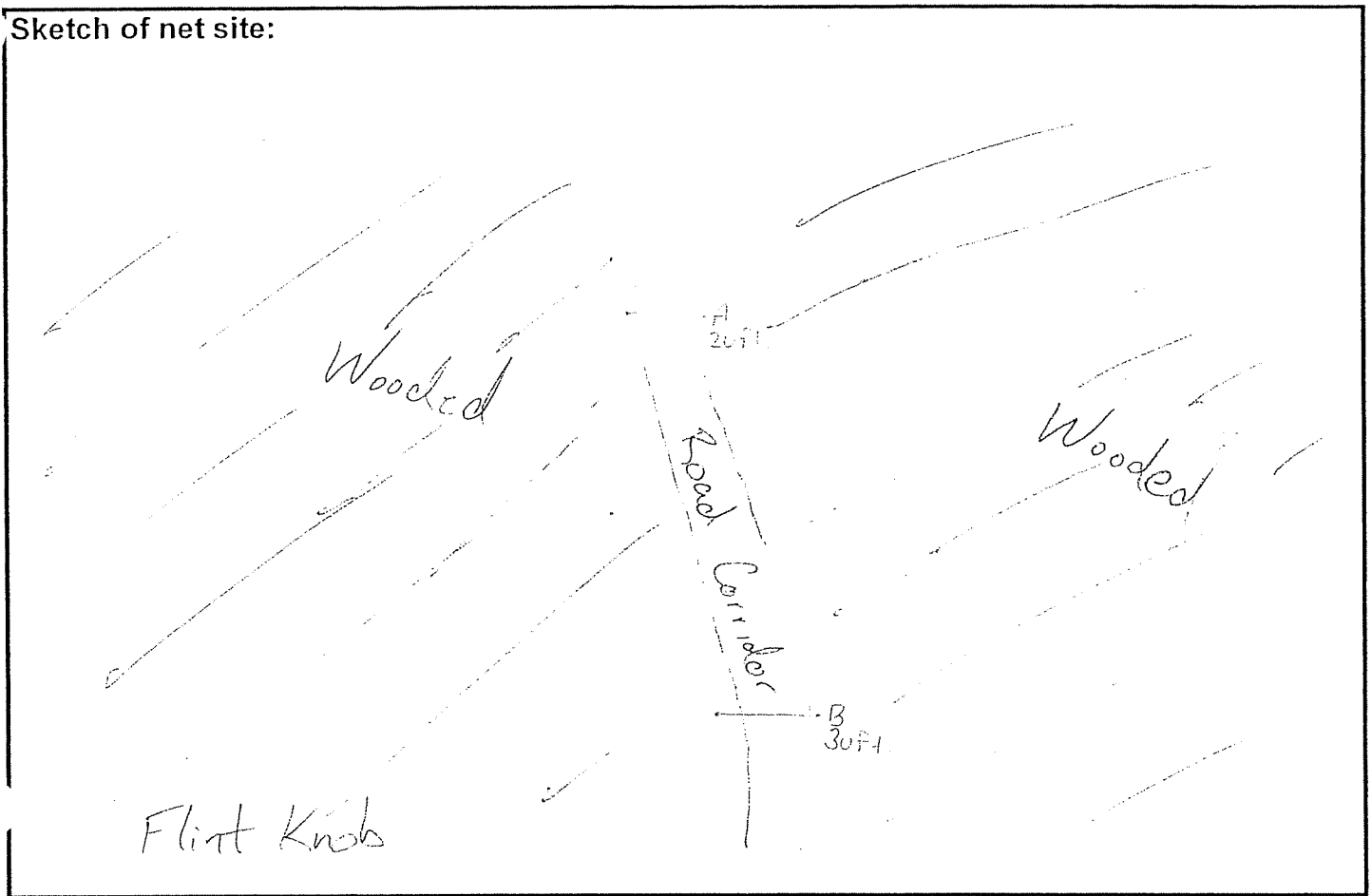
Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
1	10:35pm	M. luciferus	M	Y04	1.2g	83mm	A/4ft	A11014	
2			M	Y01	1.6g	43mm	A/6ft	A11041	
3	12:40pm	E. fus.	II	A	2.75g	50mm	B/9ft	F 550	
4	2:05	L. ber	M	Y01	10.9g	41mm	B/15ft	A11001	
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Site Description: Wooded road corridor 37.0854° N 85.9408° W  
Woods intermixed with some mature trees and large snags  
along with small trees and cedar thickets

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



Vegetative description:

*Ulmus rubra*  
*Fraxinus pennsylvanica*  
*Acer rubrum*  
*Carya ovata*  
*Juniperus procumbens*  
*Rhus glabra*  
*Yucca*

Herps:

# East Kentucky Power Mist Netting Data Sheet

1B  
(NW)

Date: 7/20/05 Project: Barren to Mt. Morgan County: Barren Quad: Glasgow, N

Location: Flint Knob access road

Start Time: 9:00 Start Temp: 61° End Time: 2:00 End Temp: 74°

Weather: clear to cloudy Wind: 0 Personnel: JM, ES

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

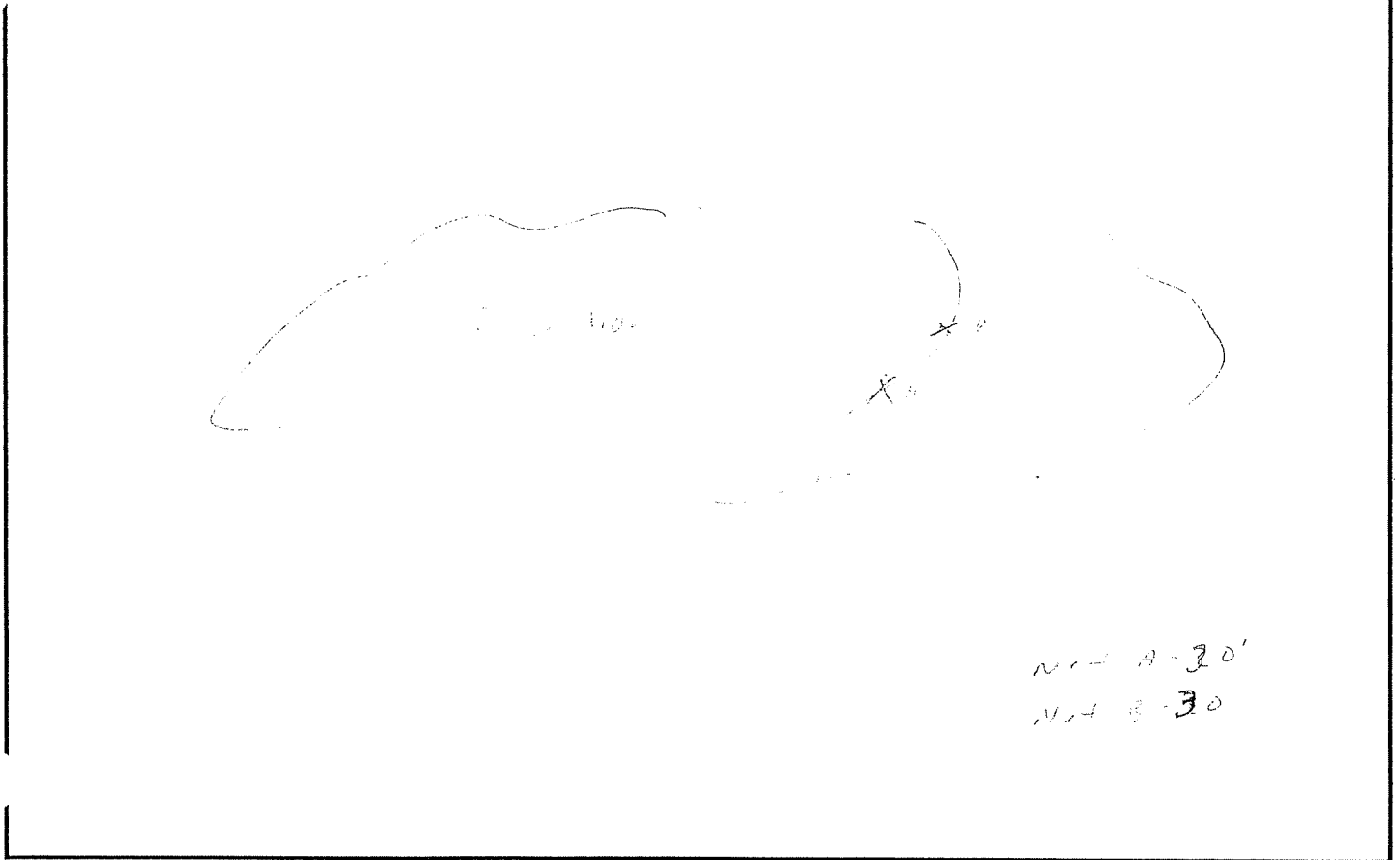
#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: <u>USFW</u>	Transmitter Frequency
1	12:20	<i>M. gilvirens</i>	M	YOY	6.4	43	B/10	A11627	
2									
3									
4									
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**Site Description:**

Netting access road that goes through to shy, poor timber by upper 1/3 rd, then enters by red maple, southern red oak, sh. blackberry, & blue oak & post oak. Some older trees scattered about. Appear to be remnants of former higher elevation forest.

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



Vegetative description:

Herps:

Bullfrog, Fowler's Toad

8/3/05

### East Kentucky Power Mist Netting Data Sheet

Date: 8/4/05 Project: Barren-Oakland-Magna County: Barren Quad: Park City

Location: Fencerow off 255 main proposed line (USFWS recommendation) Anabat #: \_\_\_\_\_

Start Time: 9:00 PM Start Temp: 77° End Time: 2:00 AM End Temp: 68°

Weather: warm humid Wind: calm Personnel: SRB, CSC

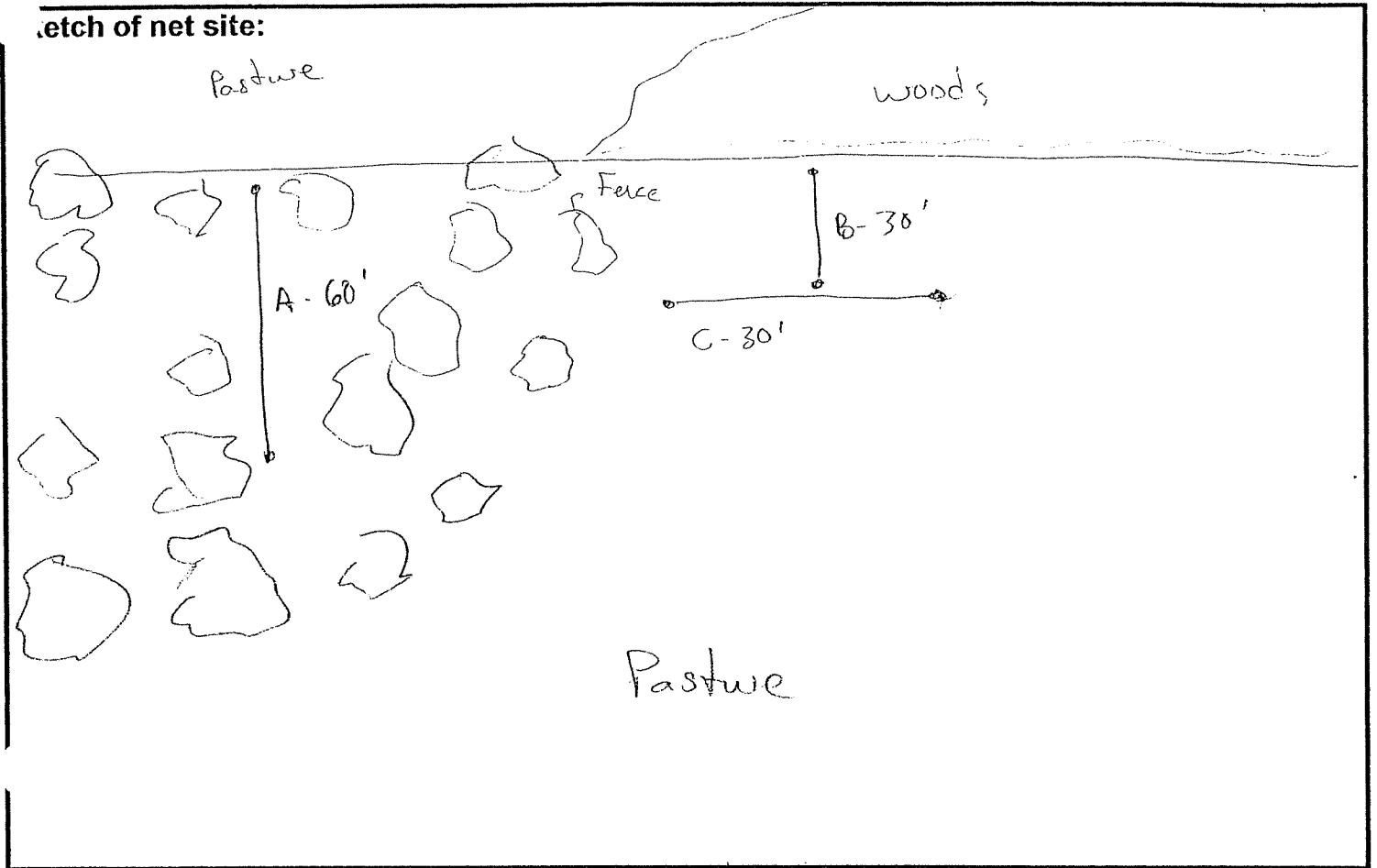
Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
1	12:05	<i>P. sub.</i>	M	YOY	5.8	33	B/12	A11812	
2	12:05	<i>N. hum.</i>	F	YOY	10.8	37	B/5	A11769	
3	1:25	<i>L. borealis</i>	F	YOY	9.5	41	B/12	A11839	
4									
5									
6									
7									
8	9:25	<i>L. borealis</i>	F	YOY	8.7	41	A/8	A11804	
9	10:05	<i>M. griseocens</i>	M	A	9.2	43	B/1	A11787	
10									
11									
12									
13									
14									
15									
16									
17									
18									
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23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									

Site Description: GPS # 2 37.05451° N 86.05854° W BOM  
Sparsely wooded fencerow btwn 2 small woodlots

# East Kentucky Power Mist Netting Data Sheet

## Sketch of net site:



## Vegetative description:

Dogwood, Hackberry, Cherry, Tulip Poplar, Sycamore  
Sunar

Herps: Green Frog



## Bat Capture Data Sheet

Project No.: 05-328/EKP      Date: 3 Aug 05      Biologists: Schwiershann, Oney

Net Site: Gossitt Farm - Iron Mt. Rd.      State/County/Quad: KY/BARREN      Nets Closed: 0200

GPS: 37° 03' 49"      86° 01' 56"      699 Elev.

37.06361      86.03222

Time	Temp	Humi	Wind	Cloud Cover	Moon
2100	80.2	86	—	5%	—
2200	73.4	95	—	—	—
2300	71.8	95	—	—	—
0000	70.4	96	—	—	—
0100	69.0	96	—	—	—
0200	68.0	96	—	—	—

Beaufort Wind Scale	
WindSpeed	Description
0-3	Calm to light air
4-18	Light to moderate breeze
19-31	Fresh to strong breeze
≥ 32	Nets closed

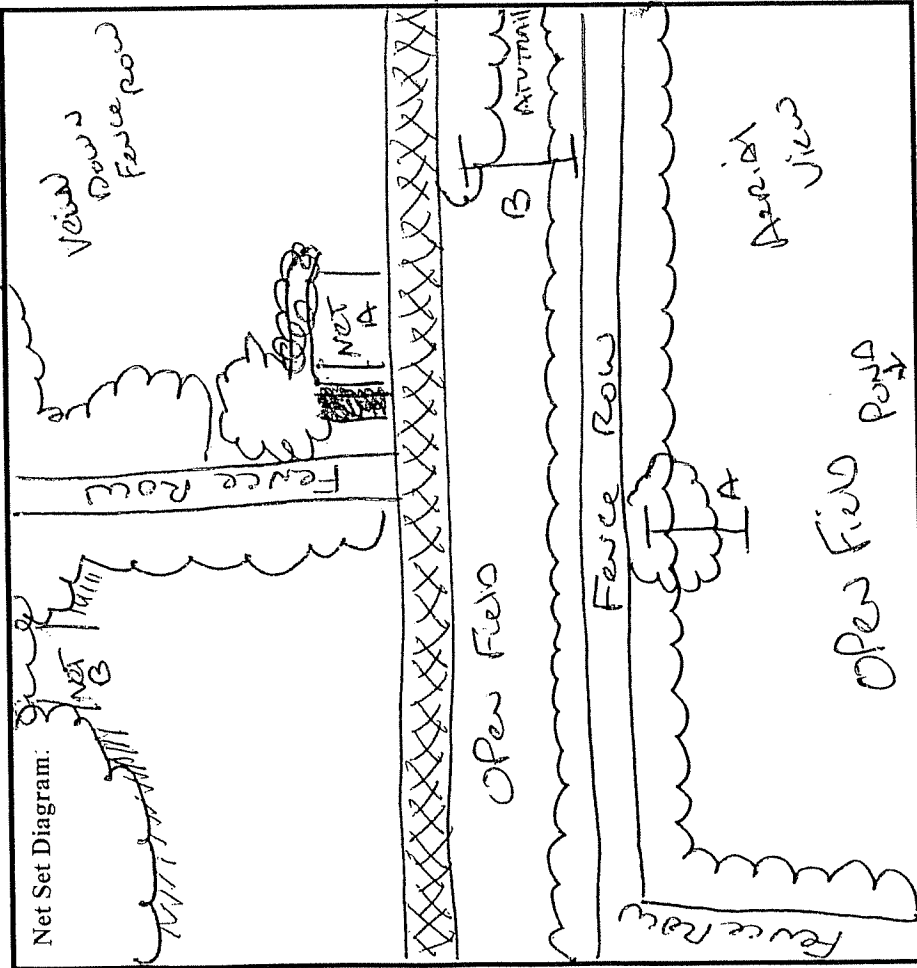
Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other
A	20	20					Fence Row
B	20	20					Fence Row*

\* 010 ATV/Farm Trail

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #
1	<i>P. P. strabus subflavus</i>	2333	J	M	↑	6	35.3	N	B - Left Center	None
2	<i>Myotis grisescens</i>	0020	J	M	↑	10	44.0	Y	B - Right Center	A1377S

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended

**NET SITE HABITAT DESCRIPTION**



Project: DS-328 / EKP - BARN CO.  
 Date: 3/26/05 Site Name: Crosslet Farm  
 Estimated Distance to Water Source: 3/10 mile - Farm Pond

STREAM CHARACTERISTICS

Bank Height: \_\_\_\_\_ Channel Width: \_\_\_\_\_ Stream  
 Width: \_\_\_\_\_ Riparian Width: \_\_\_\_\_  
 Avg. Water Depth: \_\_\_\_\_ % Canopy Cover \_\_\_\_\_  
 % Substrate type: Bedrock, Boulder \_\_\_\_\_, Cobble \_\_\_\_\_, Gravel \_\_\_\_\_  
 Sand \_\_\_\_\_, Fines \_\_\_\_\_

VEGETATION

Estimated Canopy Closure: closed moderate open  
 Dominant Canopy Species Avg. DBH range 3-10"  
 1. Q. FALCATA 2. J. NIRA 3. N. SYLVATICA

Roost Tree Potential consists of: Large Trees Snags Moderate Low  
 Roost Tree Potential for Area: High

Dominant Subcanopy Species  
 1. J. VIRGINIANA 2. DEC. DECIDUOUS 3. A. RUBRUM  
 Dominant Shrub Species  
 1. RHUS GLABRA 2. A. ALTISSIMA 3. BOE. P. WOOD

Comments: Several owls, 2 Coyote prints just to north & south  
LARGE SASSAFRAS - COULD BE STATE RECORD - 20' DBH

Project No.: 05-328/EUP Date: 4 Aug 05 Biologists: Schwensham, Oney

Net Site: Cassette farm - Iron Mt. Rd State/County/Quad: Ky/Barrren

GPS: 37° 03' 49" N 86° 01' 56" W 699 E.W. Nets Opened: 2045 Nets Closed: 0145

Time	Temp	Humi	Wind	Cloud Cover	Moon
2100	77.6	84	1	—	—
2200	74.0	83	—	—	—
2300	71.6	95	1	—	—
0000	72.6	96	1	—	—
0100	67.4	96	—	—	—
0200	68.0	96	—	—	—

Beaufort Wind Scale	
WindSpeed	Description
0 - 3	Calm to light air
4 - 18	Light to moderate breeze
19 - 31	Fresh to strong breeze
≥ - 32	Nets closed

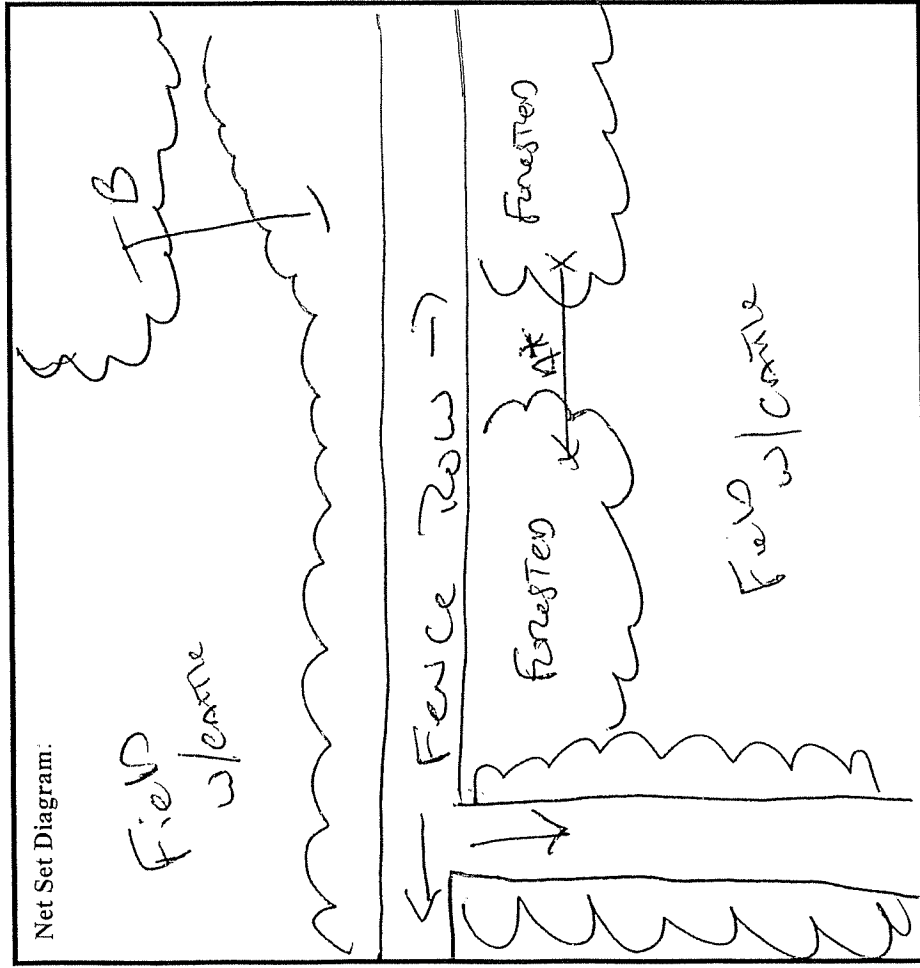
Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other
A	<u>36</u>	<u>20</u>					<u>Fence Rail</u> *
B	<u>20</u>	<u>20</u>					<u>Fence Rail</u> **

\* Trail into Fence Run \*\* 010 ATV / 0100 Trail

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Band #
<u>NO BATS</u>									

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended

**NET SITE HABITAT DESCRIPTION**



Project: 05-328 / EHP BARREN COUNTY  
 Date: 4 AUG 05 Site Name: CUSSETTS FARM  
 Estimated Distance to Water Source: 3/10 mile - farm pond

STREAM CHARACTERISTICS

Bank Height: \_\_\_\_\_ Channel Width: \_\_\_\_\_ Stream  
 Width: \_\_\_\_\_ Riparian Width: \_\_\_\_\_  
 Avg. Water Depth: \_\_\_\_\_ % Canopy Cover \_\_\_\_\_  
 % Substrate type: Bedrock \_\_\_\_\_, Boulder \_\_\_\_\_, Cobble \_\_\_\_\_, Gravel \_\_\_\_\_,  
 Sand \_\_\_\_\_, Fines \_\_\_\_\_.

VEGETATION

Estimated Canopy Closure: closed moderate open  
 Dominant Canopy Species Avg. DBH range 3"-10"

1. Q. FALCATA 2. J. ALBINA 3. N. SYLVESTRICA

Roost Tree Potential consists of: Large Trees Snags Moderate Low  
 Roost Tree Potential for Area: High

Dominant Subcanopy Species

1. J. VIRGINIANA 2. P. DELICATA 3. A. RUBRUM

Dominant Shrub Species

1. R. GLABRA 2. A. NITENSIS 3. DEFLORATA

Comments: \* new site

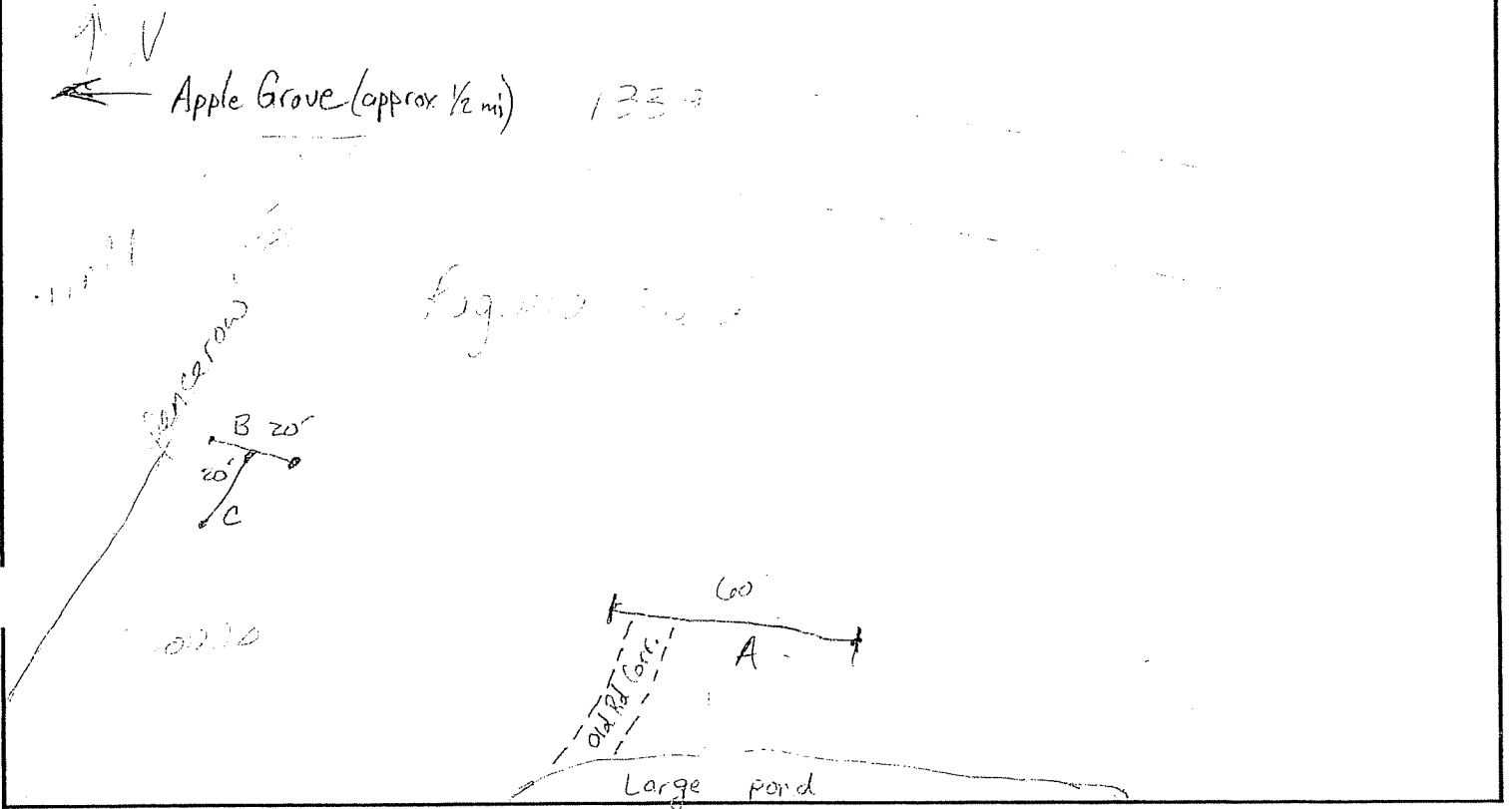


## East Kentucky Power Mist Netting Data Sheet (2 nights)

**Net Site Description:**

Small fragment of woods surrounded by farmland  
 Net A is in opening (old road) between field and pond  
 Nets B & C in "T" configuration perpendicular to tree line

**Sketch of net site; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.**



**Vegetative description; include dominant plant species.**

Red Maple	Sweetgum	Black cherry	White Oak
Yellow Poplar	Sugar maple	Winged Sumac	Black Oak
Walnut	Hickory (Pignut + Mockernut)		Pine Oak
Sycamore	Sassafras	Dogwood	

**Herps:**

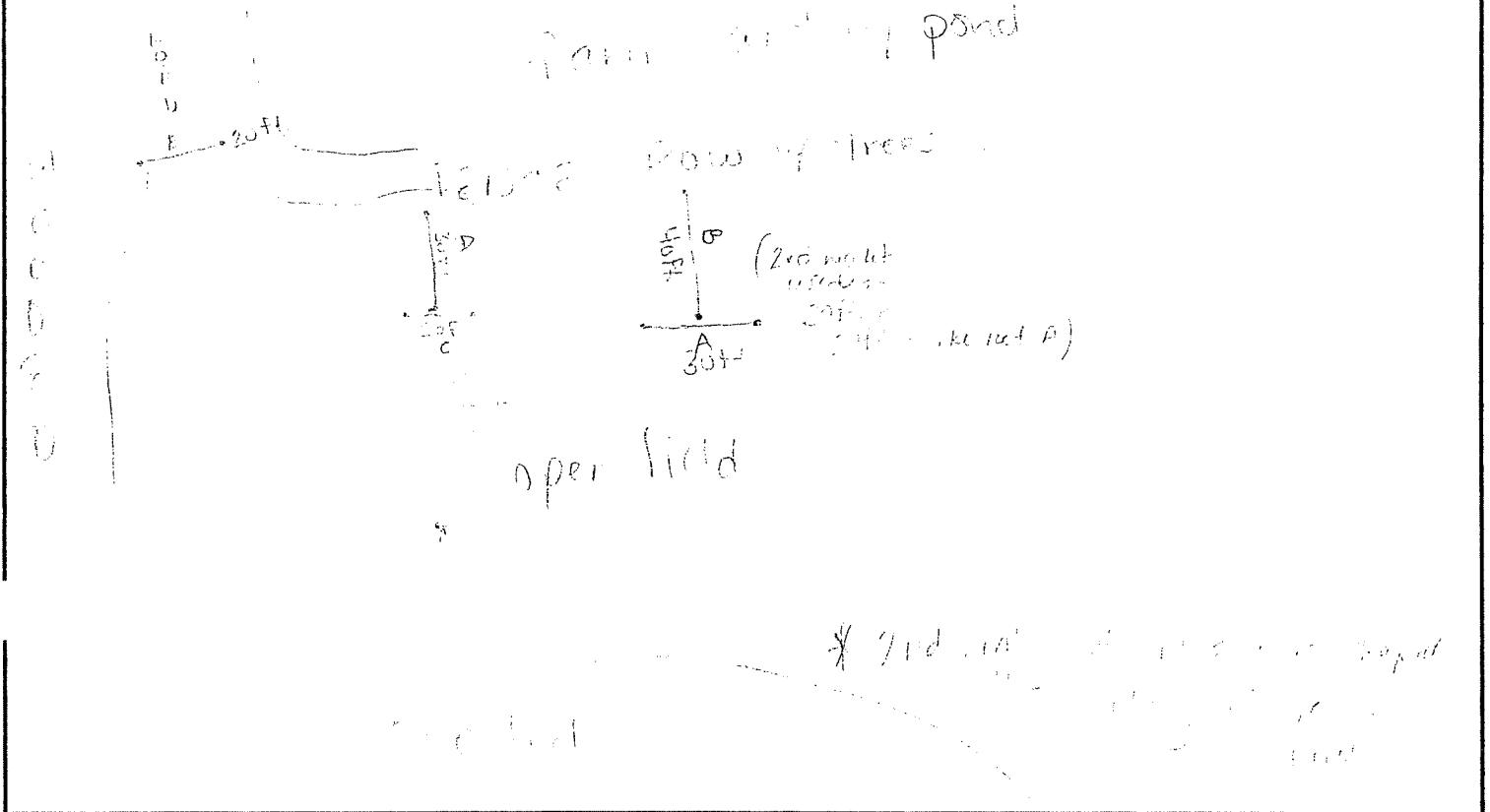
Bullfrog                      Painted Turtle  
 Green Frog  
 S. Leopard



# East Kentucky Power Mist Netting Data Sheet (2 nights)

## Net Site Description:

Sketch of net site; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.



Vegetative description; include dominant plant species.

*Juniperus virginiana*

*Rhus glabra*

*Quercus* sp.

Wooded area with many other species, including *Asplenium* sp.

## Herps:



# East Kentucky Power Mist Netting Data Sheet

1 A

Date: 7/21/05 Project: Memphis Jct. - Aberdeen County: Warren Quad: Habley SE

Location: SW end of Hilltop Manor Subdivision, off KY 2605 Anabat #: \_\_\_\_\_

Start Time: 9:00 Start Temp: 81° End Time: 2:00 End Temp: 76°

Weather: Clear & warm Wind: 0-5 mph Personnel: SRB, RS

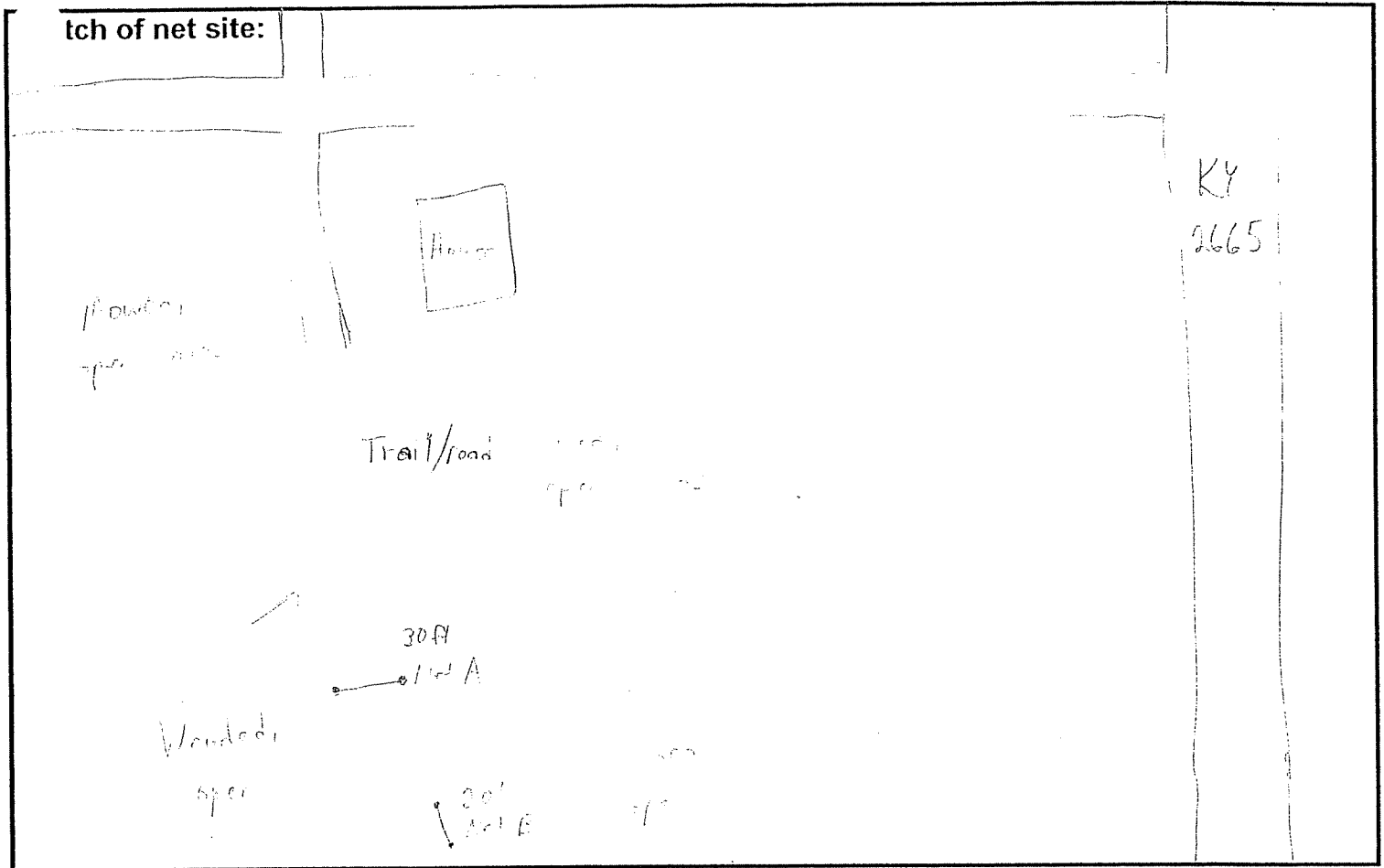
Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
1									
2									
3									
4									
5		No Bats		either	night				
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
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31									
32									
33									
34									
35									

Location Description: 37.00717° N 86.53094° W

Open wooded area at end of private property w/ a trail leading into thicker woods

# East Kentucky Power Mist Netting Data Sheet



## Vegetative description:

Shagbark hickory, Pignut hickory, Green ash, White oak, Red oak, Basswood, Red cedar, Red bud, Red maple

## Herps:

Project No.: 05-328 / EEP mstrm111111 Date: 21 July 05 Biologists: Schwartz & Schmidt

 Net Site: Wildtop Dr. #1 State/County/Quad: Ky / Warren / Hadley

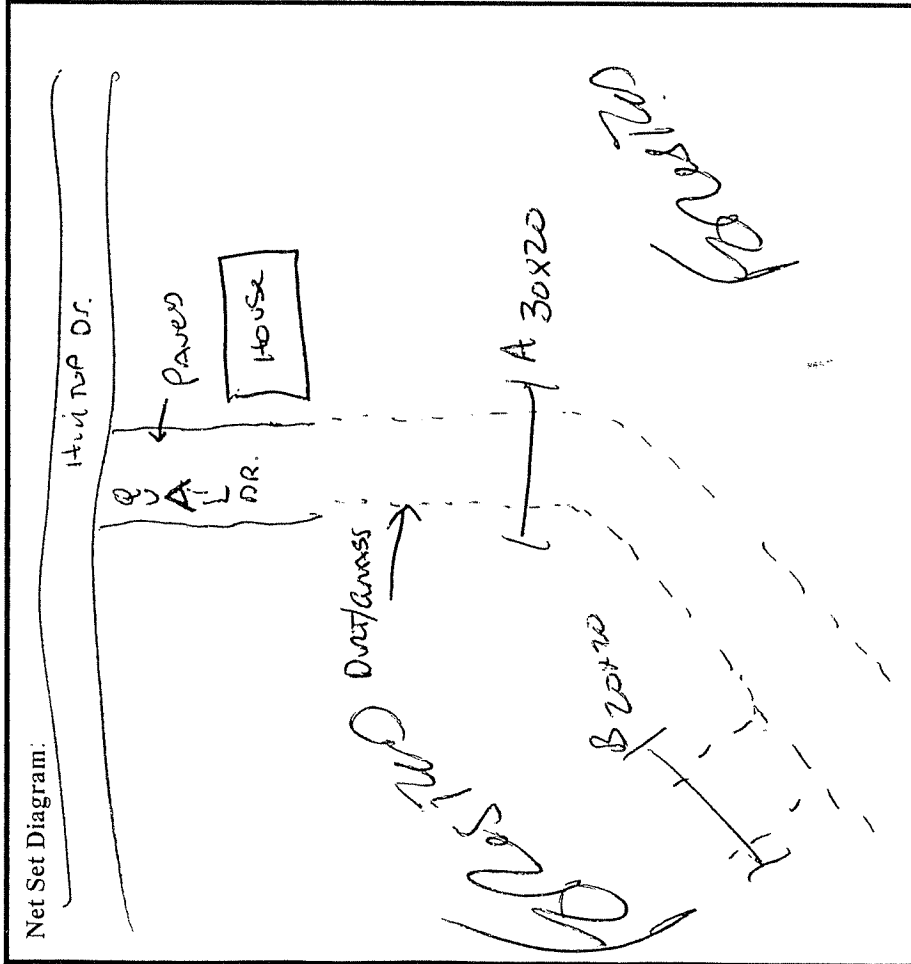
 GPS: 37° 00' 30" - 86° 31' 51" (450 FT ASL) Nets Opened: 2015 Nets Closed: 0200

Time	Temp	Wind	Cloud Cover	Moon	Beaufort Wind Scale		Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other
					WindSpeed	Description								
0200	86.0	1	—	—	0-3	Calm to light air	A	20	20	X				
0205	82.6	1	—	—	4-18	Light to moderate breeze								
0210	83.4	2	25%	Full	19-31	Fresh to strong breeze	B	20	20	X				
0215	82.4	2	10%	Full	≥ 32	Nets closed								
0220	81.4	1	—	Full										
0225	80.8	1	—	Full										

No.	Species	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #
NO BATS									

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended

**NET SITE HABITAT DESCRIPTION**



Project: EK POSSIBLE Row mist net surveys  
 Date: 21 July 05 Site Name: HAVING DR. #1  
 Estimated Distance to Water Source: None @ 0.5 miles

**STREAM CHARACTERISTICS**

Bank Height: \_\_\_\_\_ Channel Width: \_\_\_\_\_ Stream \_\_\_\_\_  
 Width: \_\_\_\_\_ Riparian Width: \_\_\_\_\_  
 Avg. Water Depth: \_\_\_\_\_ % Canopy Cover \_\_\_\_\_  
 % Substrate type: Bedrock \_\_\_\_\_, Boulder \_\_\_\_\_, Cobble \_\_\_\_\_, Gravel \_\_\_\_\_  
 Sand \_\_\_\_\_, Fines \_\_\_\_\_

**VEGETATION**

Estimated Canopy Closure: closed moderate open  
 Dominant Canopy Species Avg. DBH range 10 - 14" dbh

1. Q. ALBA 2. C. Brevifolia 3. T. Nigra

Roost Tree Potential consists of: Large Trees \_\_\_\_\_ Snags Both  
 Roost Tree Potential for Area: High \_\_\_\_\_ Moderate Low \_\_\_\_\_

Dominant Subcanopy Species

1. Ulmus Rubra 2. A. Rubrum 3. Cercis Canadensis

Dominant Shrub Species

1. Juniperus 2. Rubus 3. \_\_\_\_\_

Comments: \* Photos on old Nikon; 2 small bats observed feeding above canopy at dusk.  
To Small To Be Big Bats or Red.

# East Kentucky Power Mist Netting Data Sheet

2 A

Date: 7/18/05 Project: Memphis Junction Accident County: Wagner Quad: Hadley  
 Location: Gasper River under existing line old Island Community Rd. Anabat #: \_\_\_\_\_  
 Start Time: 9:00 pm Start Temp: 79° End Time: 2:00 AM End Temp: 70°  
 Weather: warm/humid Wind: calm Personnel: Eric Rose

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type:	Transmitter Frequency
1	10:20	<i>Nyctycorvus humeralis</i>	♂	A	10.8	35	A/2'	A07232	
2	11:10	<i>L. borealis</i>	♂	Juv	8.9	39	B/11'	A07207	
3	11:50	<i>M. grisescens</i>	♂	Juv	9.3	44	A/2'	A07211	
4	1:15	<i>M. grisescens</i>	♂	Juv	11.0	44	A/4'	A07230	
5									
6									
7									
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32									
33									
34									
35									

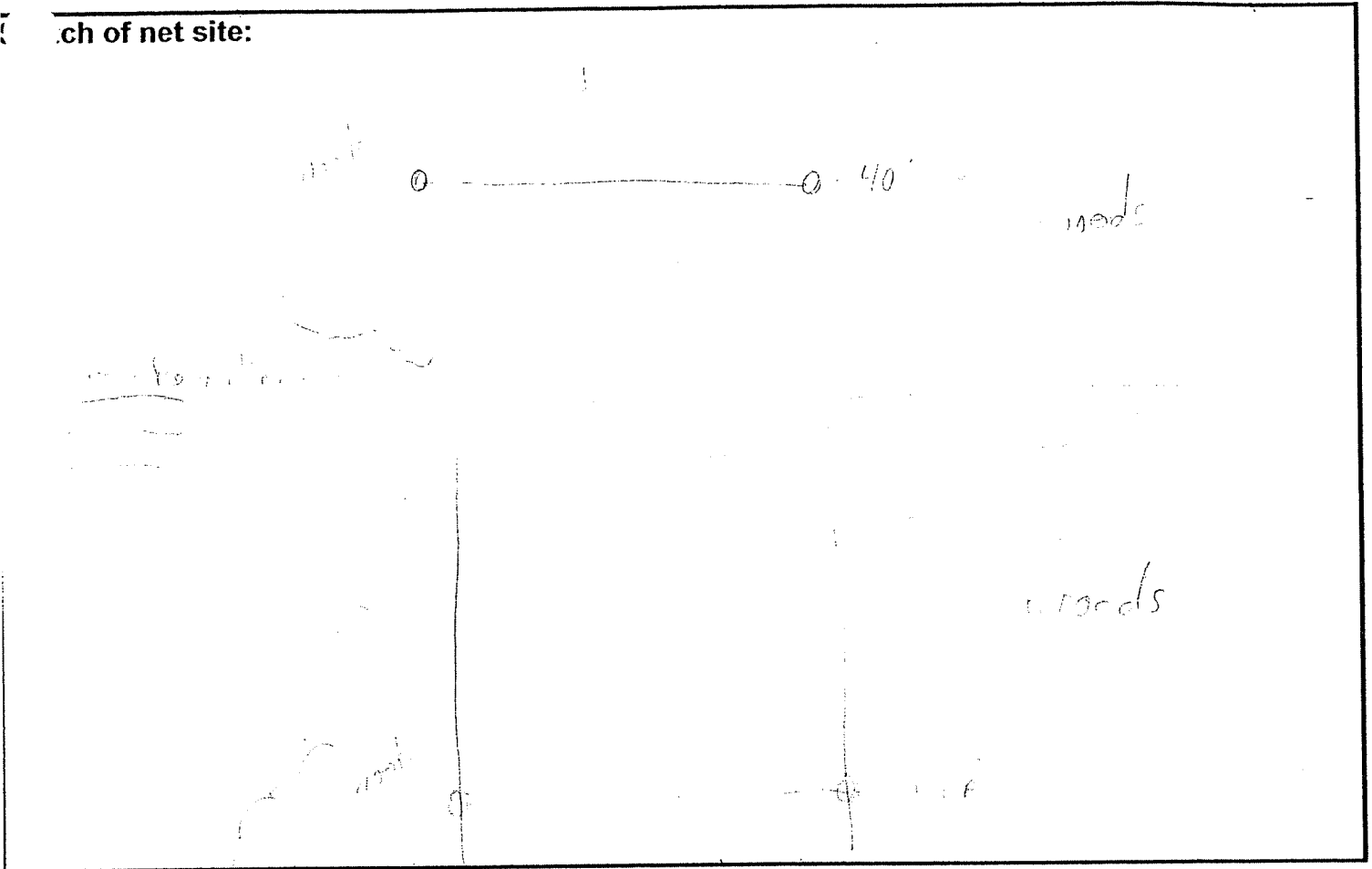
**S Description:**

Gasper river is 40' across, 2-4' deep  
 wooded, deep cut river with fair  
 canopy mid forest (14m)

181 007 GPS #3  
 Gasper River TN 50  
 7080 005

# East Kentucky Power Mist Netting Data Sheet

Location of net site:



## Vegetative description:

White Maple, Sycamore, Box Elder

## Herps:

Red Frog, Gray Treefrog, Green Frog

# East Kentucky Power Mist Netting Data Sheet

2 B

Date: 11/9/2005 Project: Long Point County: Warren Quad: Hadley

Location: Gasper River under existing powerline off of <sup>Ward</sup> ~~Ward~~ Rd Anabat #: \_\_\_\_\_

Start Time: 7:00 PM Start Temp: 80° F End Time: 2:00 AM End Temp: 69° F

Weather: Warm / Humid Wind: Calm Personnel: BLG/ESC/Branda Sam

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

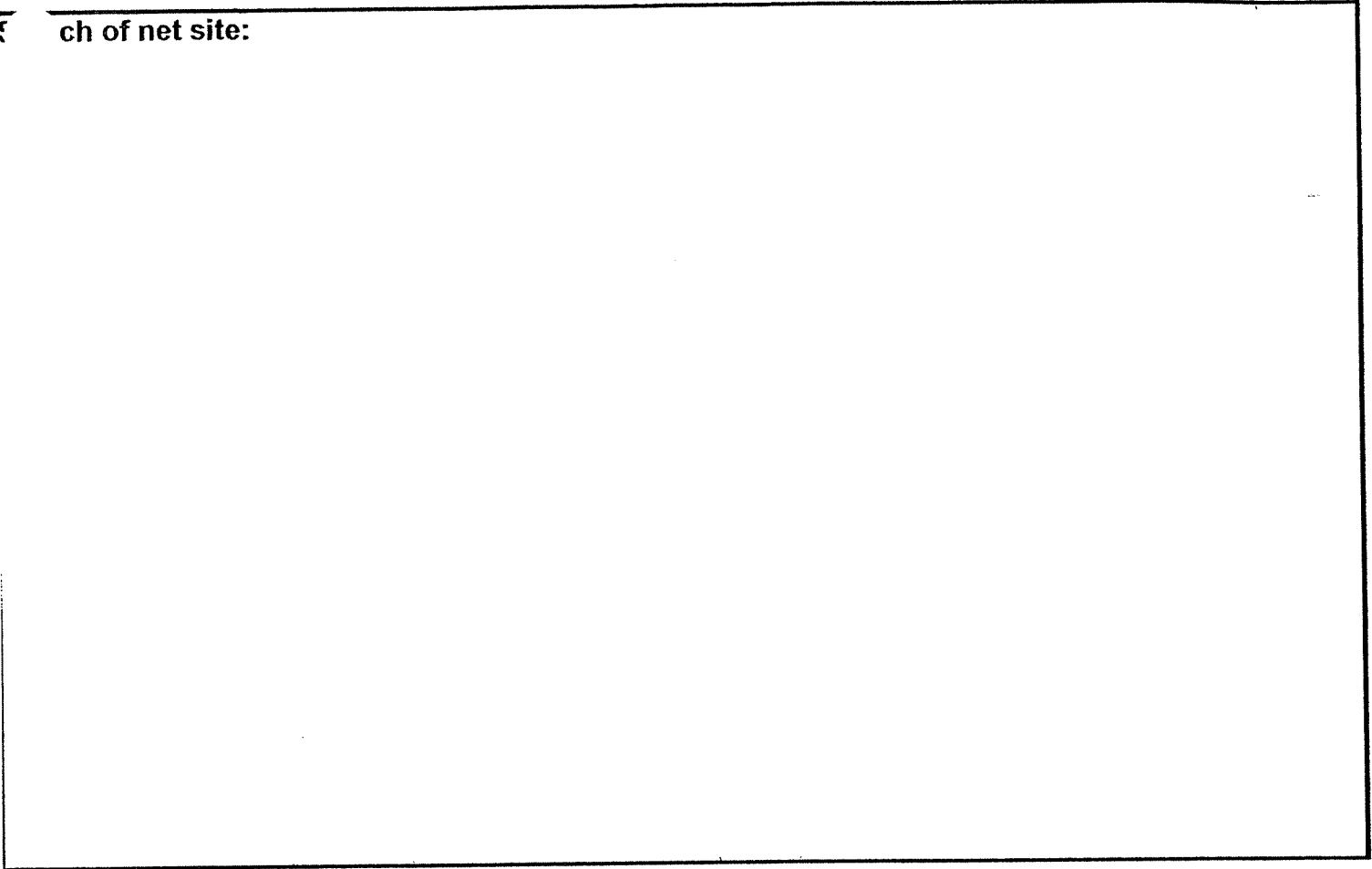
#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: <u>KDFWR</u>	Transmitter Frequency
1	7:00	<i>L. borealis</i>	♂/10x	Juv.	10.5	43	B/12'	A11573	
2	12:30	<i>M. grisescens</i>	♂	Juv.	10.4	43	A/1'	A11588	
3									
4									
5									
6									
7									
8									
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31									
32									
33									
34									
35									

Site Description:

Soil: ...

# East Kentucky Power Mist Netting Data Sheet

5. Location of net site:



Vegetative description:

Herps:



# Bat Capture Data Sheet

Project No.: OS-328/E18 BATS Date: 18 May 08

Biologists: Schweitzer, Ovey, Ryan

Net Site: Civilty Creek #1

State/Country/Quad: Ky Lawrence Wesley

GPS: 37° 05' 24" N 86° 36' 58" W

Nets Opened: 2100

Nets Closed: 0200

Time	Temp	Wind	Cloud Cover	Moon
2100	84.2	-	30%	-
2200	77.0	-	35%	-
2300	76.4	-	20%	3/4
0000	75.2	-	-	3/4
0100	74.8	-	-	3/4
0200	74.0	-	10%	3/4

Beaufort Wind Scale	Description
0-3	Calm to light air
4-18	Light to moderate breeze
19-31	Fresh to strong breeze
>=32	Nets closed

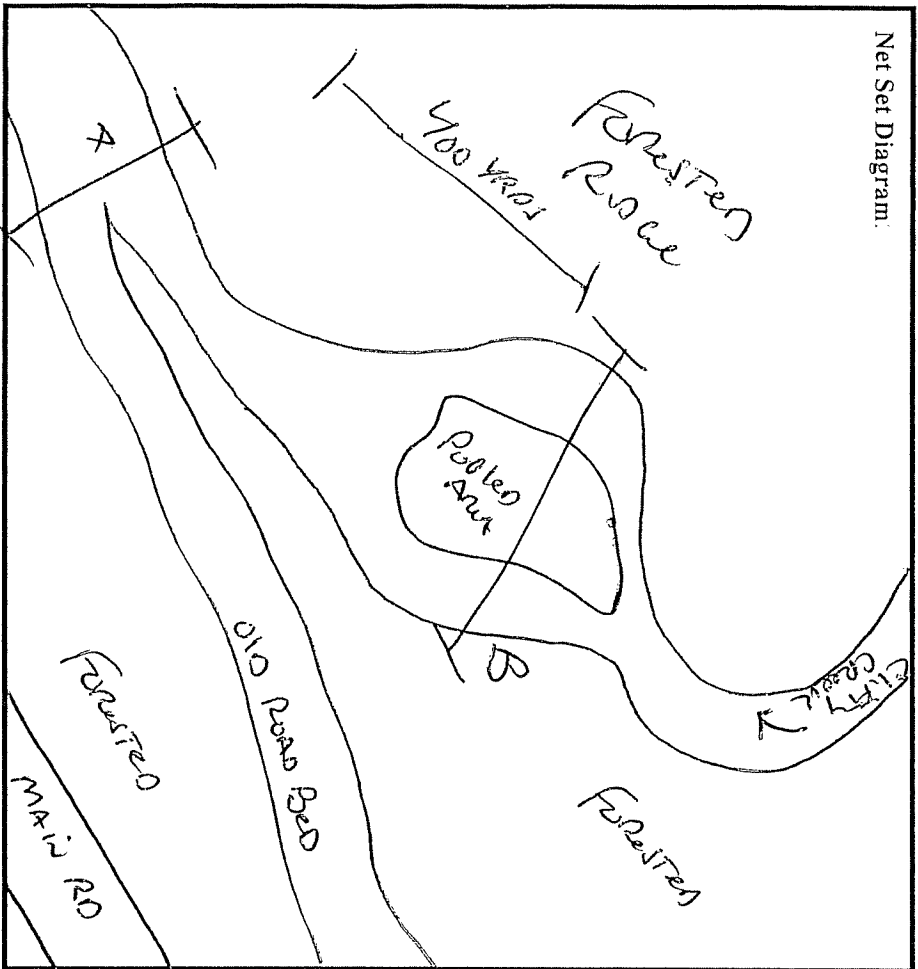
Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other
A	30	20		X			
B	20	20		X			

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #
1	P. striatus	2130	A	F	L	5.5	33	N	A - Center	A13841
2	P. S.	2140	A	F	L	6	34	N	A - Center - Road	A13842
3	Myotis septentrionalis	2210	A	M	↑	6.5	36	N	A - Low Center	A13843
4	P. S.	2215	J	M	NR	5.5	33.5	N	A - Low Center	A13844
5	P. S.	2240	J	F	NR	5.5	34	N	B - Low Center	A13845
6	P. S.	0000	A	F	L	7	34	Y	B - Low Center	A13846

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended

NET SITE HABITAT DESCRIPTION

Net Set Diagram:



Comments:

Project: 05-328 / ELD Bat Survey  
 Date: 12/14/05 Site Name: CITY Creek #1  
 Estimated Distance to Water Source: 0

STREAM CHARACTERISTICS

Bank Height: 1-3' Channel Width: 20'-30' Stream  
 Width: 10'-20' Riparian Width: 100' + VEG TO NEXT - 30-50' SOUTH  
 Avg. Water Depth: 0-2.5' % Canopy Cover 80%  
 % Substrate type: Bedrock     , Boulder     , Cobble 95, Gravel 5,  
 Sand 1, Fines 1.

VEGETATION

Estimated Canopy Closure: closed (moderate) open  
 Dominant Canopy Species Avg. DBH range 10-14' 0814  
 1. F. Canadensis 2. L. Triflora 3. Acer Rubrum  
 Roost Tree Potential consists of: Large Trees Snags      Both  
 Roost Tree Potential for Area: High (Moderate) Low  
 Dominant Subcanopy Species  
 1. F. Canadensis 2. A. Rubrum 3. A. O. Canadensis  
 Dominant Shrub Species  
 1. Liriodendron 2.      3.

Bat Capture Data Sheet

Project No.: EKP Bat Survey/05-328 Date: 19 July 05 Biologists: Onry, Byrd

Net Site: Climy Creek #1 State/Country/Quad: KY/Warren/Hadley

GPS: 37° 05' 24" N, 86° 36' 58" W Nets Opened: 2100 Nets Closed: 0200

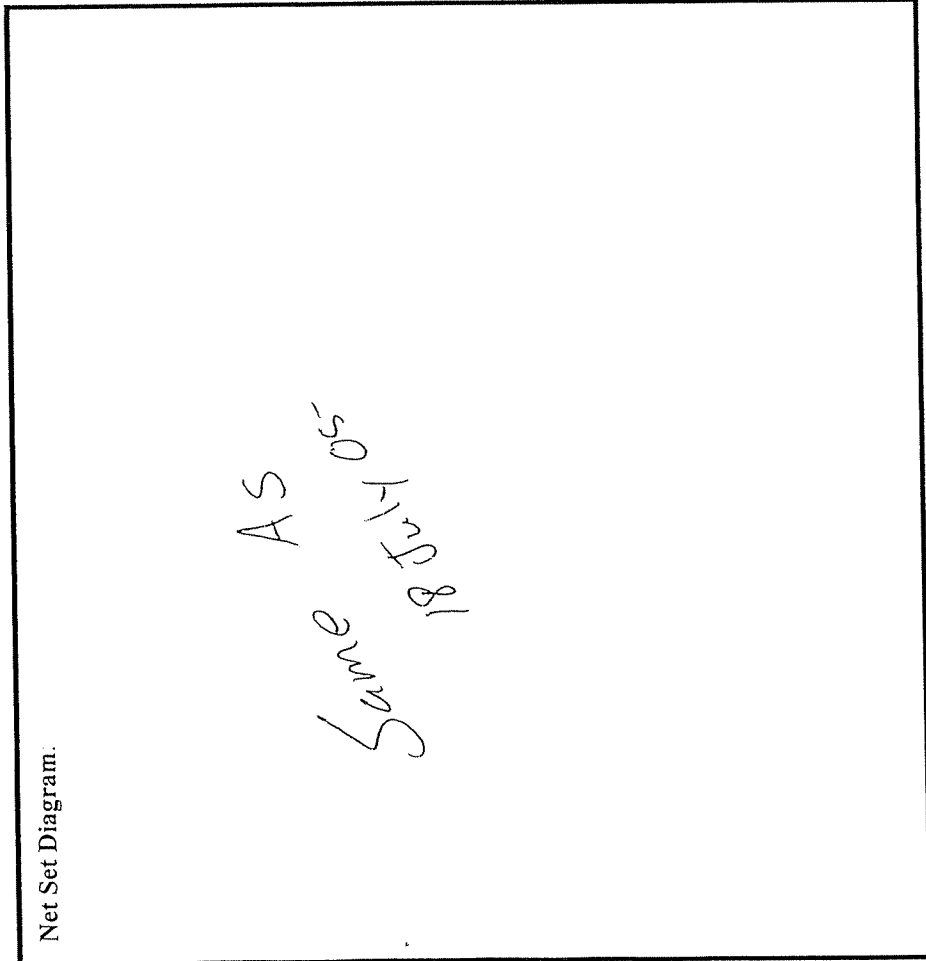
Time	Temp	Humi	Wind	Cloud Cover	Moon	Beaufort Wind Scale		Nets										
						Wind Speed	Description	Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other			
2100	79°	41	0-3	30	Full	0-3	Calm to light air	A	30	20								
2200	77°	43	0-3	30	Full	4-18	Light to moderate breeze	B	20	20		X						
2300	76°	44	0-3	30	Full	19-31	Fresh to strong breeze											
0000	74°	45	0-3	30	Full	≥-32	Nets closed											
0300	77°	45	0-3	30	Full													

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #
1	<i>Myotis lucifugus</i>	0315	A	M	↓	11g	35.4	N	A/low center	A13753
2	<i>Pipistrellus subflavus</i>	0130	A	M	↓	6g	34.3	N	A/High center	A13754

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended

**NET SITE HABITAT DESCRIPTION**

Net Set Diagram:



Project: 05-328 WEKP Bat Survey  
 Date: 19 July 05 Site Name: Clifty Creek #1  
 Estimated Distance to Water Source: 0

**STREAM CHARACTERISTICS**

Bank Height: 1-3 Channel Width: 20-30 Stream  
 Width: 0-20' Riparian Width: 100 yds N - 300 yds S  
 Avg. Water Depth: 0-2.5 % Canopy Cover 80%  
 % Substrate type: Bedrock     , Boulder     , Cobble     , Gravel     ,  
 Sand     , Fines     .

**VEGETATION**

Estimated Canopy Closure: closed (moderate) open  
 Dominant Canopy Species Avg. DBH range 10-14 DBH  
 1. Fagus grandifolia 2. Liriodendron tulipifera 3. Acer rubrum  
 Roost Tree Potential consists of: Large Trees  
 Roost Tree Potential for Area: High Moderate      Both  
 Dominant Subcanopy Species Moderate Low

Dominant Shrub Species  
 1. F. grandifolia 2. A. rubrum 3. A. obtusum (Chickadee)  
 Dominant Shrub Species  
 1. Spice Bush 2.      3.     

**Comments:** Found cave in cliff face. Also found Turkey Vulture chick nest in rock shelter. Photos.

Rana utricularia (5 Leopard), R. catesbeiana, Pipa americana, S. woodhousei, Fowler, Rana sylvatica melanota  
Eurycea cirrigera (6 Twinned Salamander), E. lucifuga (Cave Salamander)

**Project Name:** East Kentucky Power Mist Net Surveys

**Project #:** 05-328

**Survey Date(s):** 18 July – 10 August 2005 **Biologists:** Jeff Schwierjohann & Robert Oney

Clifty Creek Net Site A – 18 & 19 July



Clifty Creek Net Site B – 18 & 19 July





# East Kentucky Power Mist Netting Data Sheet

4A + 4B

Date: 7-18-05 7-19-05 Project: \_\_\_\_\_ County: Wayne Quad: \_\_\_\_\_

Location: \_\_\_\_\_ Anabat #: \_\_\_\_\_

Start Time: \_\_\_\_\_ Start Temp: \_\_\_\_\_ End Time: \_\_\_\_\_ End Temp: \_\_\_\_\_

Weather: \_\_\_\_\_ Wind: \_\_\_\_\_ Personnel: \_\_\_\_\_

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

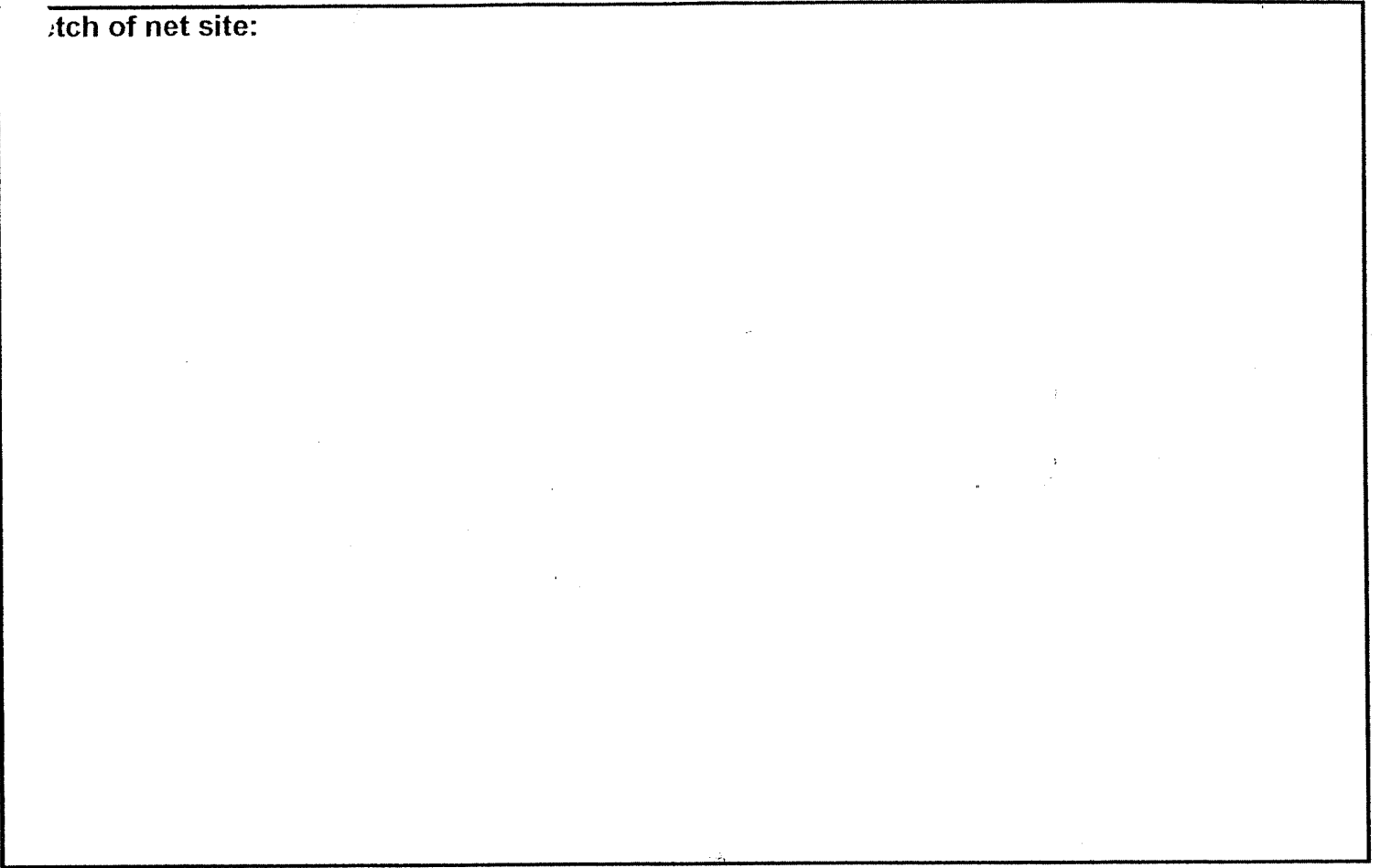
#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
1									
2									
3			M	YOY	10.2	37			
4									
5	10:10	L. fus	GOT	OUT	6F	NET	A/10		
6	10:10								
7									
8	10:42	P. sub.	GOT	OUT	6F	NET	E/18		
9	10:42	P. sub.	RECAPTURE				A/10	A11140	
10	11:00	L. bor.	F	A	22.4	43	A/10	A11147	
11									
12									
13									
14									
15	7/19/05								
16									
17	9:35	P. subvarius	F/PL	A	7.0	33	A/10	A11137	
18	10:41	P. sub.	F	YOY	5.1	34	A/2	A11123	
19	11:22	L. borealis	M	A	13.0	37	E/15	F11133	
20	12:17	L. bor.	F/PL	A	15.0	41	A/4	A11111	
21	12:51	P. sub.	F	YOY	4.9	33	B/13	A11145	
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

**Site Description:**

GPS: "MJA111" 37.11042° N / 88.9310° W  
 MJA111 R L 31.07° N  
 02.5209° W

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



Vegetative description:

*Fraxinus americana*  
*Quercus macrocarpa*  
*Cephalanthus occidentalis*  
*Opuntia latifolia*  
*Asplenium platyneuron*

Herps:



Project No.: EKP Bat Survey/05-328 Date: 20 July 2005 Biologists: Robert C. Oney Wes Byrd

Net Site: Little Muddy Creek State/County/Quad: KY / Butler / Morgantown

GPS: 37° 09' 29" N, 86° 38' 50" W Nets Opened: 9:00 pm Nets Closed: 2:00 am

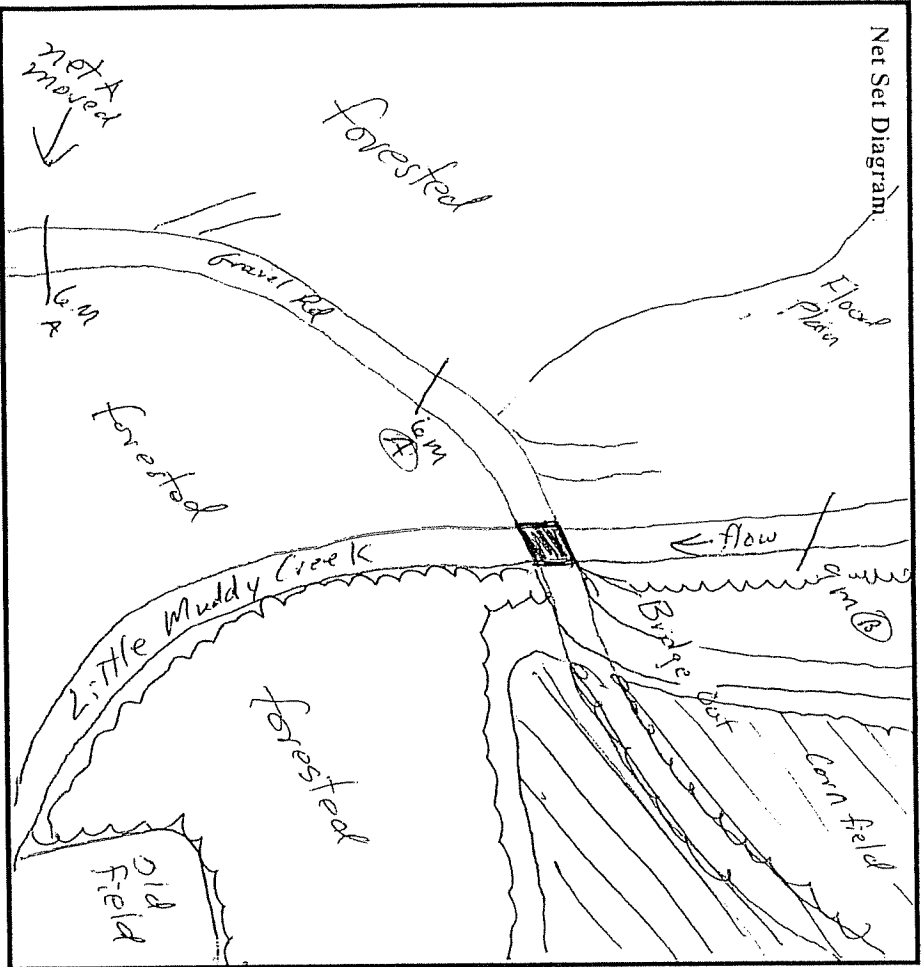
Time	Temp F	Humi	Wind	Cloud Cover	Moon	Beaufort Wind Scale	
						WindSpeed	Description
9:00	82°	88	0-3	15	Full	0-3	Calm to light air
10:00	80°	42	0-3	15	Full	4-18	Light to moderate breeze
11:00	77°	44	0-3	15	Full	19-31	Fresh to strong breeze
12:00	76°	45	0-3	15	Full	≥ 32	Nets closed
1:00	77	45	0-3	15	Full		
2:00	76	45	0-3	15	Full		

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #
1	<i>Pipistrellus subflavus</i>	2215	A	M	↓	4.6g	33.3	N	B / Top center	A13755
2	<i>Lasiurus borealis</i>	2218	A	F	L	12.5g	41.6	N	A / Top center	A13756
3	<i>L. borealis</i>	2300	A	F	PL	8.5g	41.6	N	B / Top center	A13757
4	<i>P. subflavus</i>	2315	A	F	L	7.0g	34.3	N	B / Top left	<del>A13758</del>
5	<i>Myotis grisescens</i>	2320	A	F	PL	10.5g	42.7	N	B / Bottom center	A13758
6	<i>M. grisescens</i>	2325	A	F	PL	12.9g	43.7	N	B / Bottom center	A13759
7	<i>M. grisescens</i>	0002	A	F	PL	11.4g	43.7	N	B / Bottom center	A13760
8	<i>M. grisescens</i>	0012	A	F	PL	10.4g	43.7	N	A / Bottom center	A13761
9	<i>M. grisescens</i>	0103	A	M	↓	11g	43.7	N	B / Top right	A13762
10	<i>L. borealis</i>	0115	J	F	-	4.2g	41.6	N	A / Top right	A13763
11	<i>L. borealis</i>	0140	J	F	-	4.9g	39.5	N	A / Top right	A13764

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended

Escaped x3+1

NET SITE HABITAT DESCRIPTION



Comments: Net A 6m was moved due to Bat locating and avoiding net.

Project: OS-328 / EKP Bat Survey

Date: 20 July 2005 Site Name: Little Muddy Creek

Estimated Distance to Water Source: 0

STREAM CHARACTERISTICS

Bank Height: 1.6 Channel Width: 20-25' Stream

Width: 15-18' Riparian Width: Looking Downstream LB 3-6m, RG 7-10

Avg. Water Depth: 1.5' % Canopy Cover moderate

% Substrate type: Bedrock 0, Boulder 0, Cobble 0, Gravel 5, Sand 30, Fines 65.

VEGETATION

Estimated Canopy Closure: closed moderate open

Dominant Canopy Species Avg. DBH range 15-18 inches

1. Silver Maple 2. Hackberry 3. Green Ash

Roost Tree Potential consists of: Large Trees

Roost Tree Potential for Area: High

Dominant Subcanopy Species

1. Ba Elder 2. Silver Maple 3. Hackberry

Dominant Shrub Species

1. Boston Burn 2. Banksia 3. Hackberry

Snags

Moderate

Both

Low

# Bat Capture Data Sheet

Project No.: EKP Bat Survey/bs-328 Date: 21 July 2005 Biologists: Robert C. Oring Wes Byrd

Net Site: Little Muddy Creek State/County/Quad: KY/Butler/MORGANTOWN

GPS: 37° 09' 29" N, 81° 58' 50" W Nets Opened: 9:00 p.m. Nets Closed: 2:00 a.m.

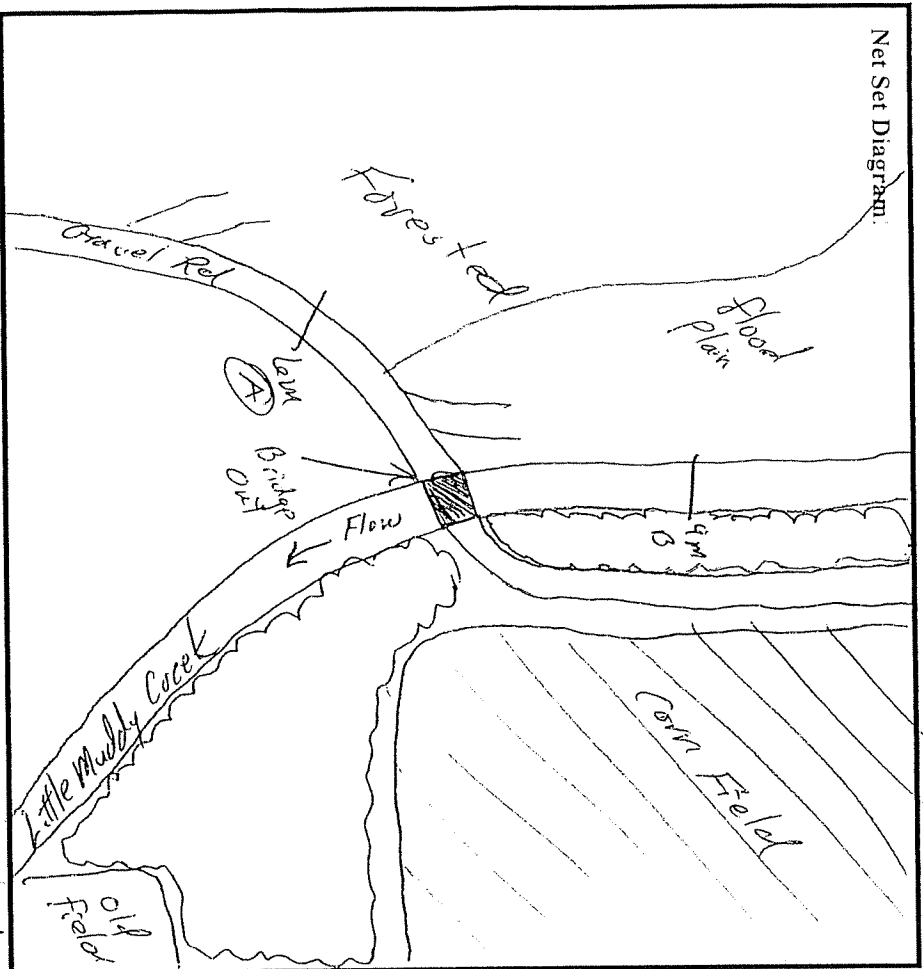
Time	Temp	Humi	Wind	Cloud Cover	Moon	Beaufort Wind Scale		
						WindSpeed	Description	
4:00	84	84	0-3	0	Full	0-3	Calm to light air	
10:00	81	92	0-3	0	Full	4-18	Light to moderate breeze	
11:00	79	94	0-3	0	Full	19-31	Fresh to strong breeze	
12:00	78	95	0-3	0	Full	≥ 32	Nets closed	
2:00	77	95	0-3	0	Full			

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #	Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other
1	<i>M. grisescens borealis</i>	22:42	A	F	PL	10.2	42.6	N	A / Middle center		A	10 m	20'	X				
2	<i>Pipistrellus subflavus</i>	23:08	A	M	↓	5.9	33.3	N	B / Top center		B	9 m	20'					
3	<i>P. subflavus</i>	23:15	J	M	↑	4.5	32.2	N	B / Bottom center									
4	<i>M. grisescens</i>	23:55	A	M	↓	10.2	42.6	N	A / Bottom right		A							
5	<i>M. borealis</i>	23:59	J	M	↑	8.2	39.5	N	A / Bottom center		A							
6	<i>M. grisescens</i>	00:22	J	F	-	11.4	43.7	N	B / Bottom center		B							
7	<i>M. grisescens</i>	01:02	J	M	↑	9.3	42.6	N	B / Bottom right		A							
8	<i>M. grisescens</i>	01:04	A	F	PL	12.5	44.7	N	B / Middle right		A							
9	<i>M. grisescens</i>	02:00	J	M	↑	11.3	43.7	N	B / Bottom center		A							

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended

2 Red Bat escapes

NET SITE HABITAT DESCRIPTION



Net Set Diagram:

Project: 05-328 / EKP Bat Survey

Date: 21-July-2005 Site Name: Little Muddy Creek

Estimated Distance to Water Source: -0-

STREAM CHARACTERISTICS

Bank Height: ~6' Channel Width: 20-25' Stream

Width: 15-18' Riparian Width: Leaking down stream or 1.8-3.6m RB > 1.2

Avg. Water Depth: 1.5 % Canopy Cover moderate

% Substrate type: Bedrock 0, Boulder 0, Cobble 0, Gravel 5,

Sand 30, Fines 65.

VEGETATION

Estimated Canopy Closure: closed moderate open

Dominant Canopy Species Avg. DBH range 15-18 inches

1. Silver Maple 2. Hackberry 3. Green Ash

Roost Tree Potential consists of: Large Trees Snags Both

Roost Tree Potential for Area: High Moderate Low

Dominant Subcanopy Species

1. Box Elder 2. Silver Maple 3. Hackberry

Dominant Shrub Species

1. Sweeten Bush 2. Box Elder 3. Hackberry

Comments: imminent canopy adjacent to road Shelbyville Hwy white oaks; Necodice sipedon pleuralis  
(C. leucogaster)

Shelbyville serpentina

# Bat Capture Data Sheet

 Project No.: KRP Bat Survey / 05-328 Date: 26 July - 2005 Biologists: Robert C. Oney, Wesley L. Byrd

 Net Site: WMA - Cocksipping Rd. State/County/Quad: KY / Ohio / Greenwell Paradise
37.30656°N, 86.57813°W

 GPS: 37° 18' 24" N, 86° 52' 41" W Nets Opened: 9:00 p.m. Nets Closed: 2:00 a.m.

Time	Temp	Humi	Wind	Cloud Cover	Moon
9:00	78	94	0-3	0	—
10:00	77	94	0-3	0	—
11:00	75	95	0-3	0	—
12:00	75	95	0-3	0	—
1:00	74	96	0-3	0	—
2:00	73	96	0-3	0	h

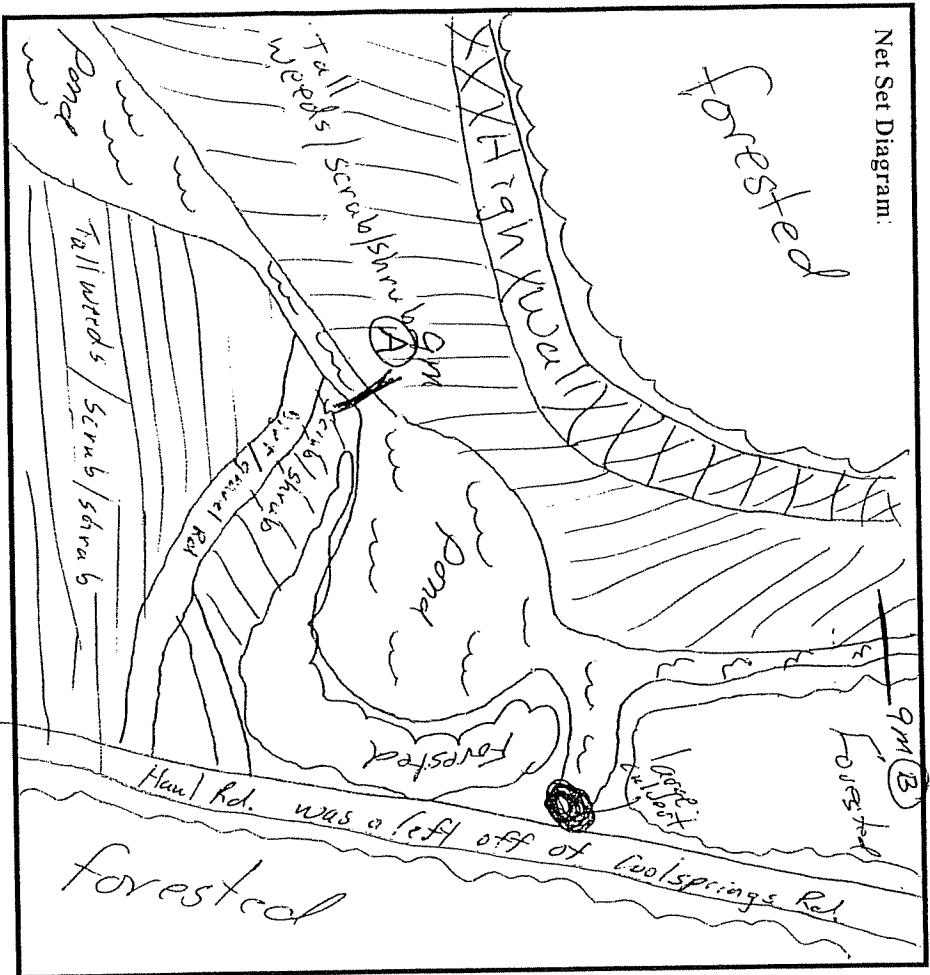
Beaufort Wind Scale	
Wind Speed	Description
0-3	Calm to light air
4-18	Light to moderate breeze
19-31	Fresh to strong breeze
≥ 32	Nets closed

Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other
A	27	20			X		
B	27	20		X			between two ponds

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #
1	<i>Pipistrellus subflavus</i>	21:30	A	F	L	6.2g	34.3	N	A / Top center	—
2	<i>P. subflavus</i>	22:45	J	F	—	5.7g	35.4	N	B / Middle center	—
3	<i>P. subflavus</i>	22:50	A	M	↓	6.5g	33.3	N	B / Top center	—
4	<i>Eptesicus fuscus</i>	00:20	A	M	↓	18.4g	48.9	N	A / Middle center	A13771
5	<i>Pasiurus borealis</i>	00:20	J	M	↑	11.5g	38.5	N	A / Middle center	A13772
6	<i>P. subflavus</i>	01:15	J	M	↑	5.2g	33.3	N	A / Middle center	—
7	<i>P. subflavus</i>	01:45	A	F	L	6.8g	37.3	N	B / Top center	—

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended

NET SITE HABITAT DESCRIPTION



Comments: Can't see ponds from Rd. Nets A & B placed in narrow area w/ some canopy over waterways between ponds. Several bats observed flying.

Project: DS-328 / EKP Bat Survey

Date: 26-July-05 Site Name: WMA Coolsprings

Estimated Distance to Water Source: 2

STREAM CHARACTERISTICS

Bank Height: \_\_\_\_\_ Channel Width: \_\_\_\_\_ Stream

Width: \_\_\_\_\_ Riparian Width: \_\_\_\_\_

Avg. Water Depth: \_\_\_\_\_ % Canopy Cover \_\_\_\_\_

% Substrate type: Bedrock \_\_\_\_\_, Boulder \_\_\_\_\_, Cobble \_\_\_\_\_, Gravel \_\_\_\_\_,

Sand \_\_\_\_\_, Fines \_\_\_\_\_.

VEGETATION

Estimated Canopy Closure: closed moderate open moderate to open

Dominant Canopy Species Avg. DBH range 12

1. Sycamore 2. Sugar Maple 3. Red Maple

Roost Tree Potential consists of: Large Trees Snags

Roost Tree Potential for Area: High Moderate Low

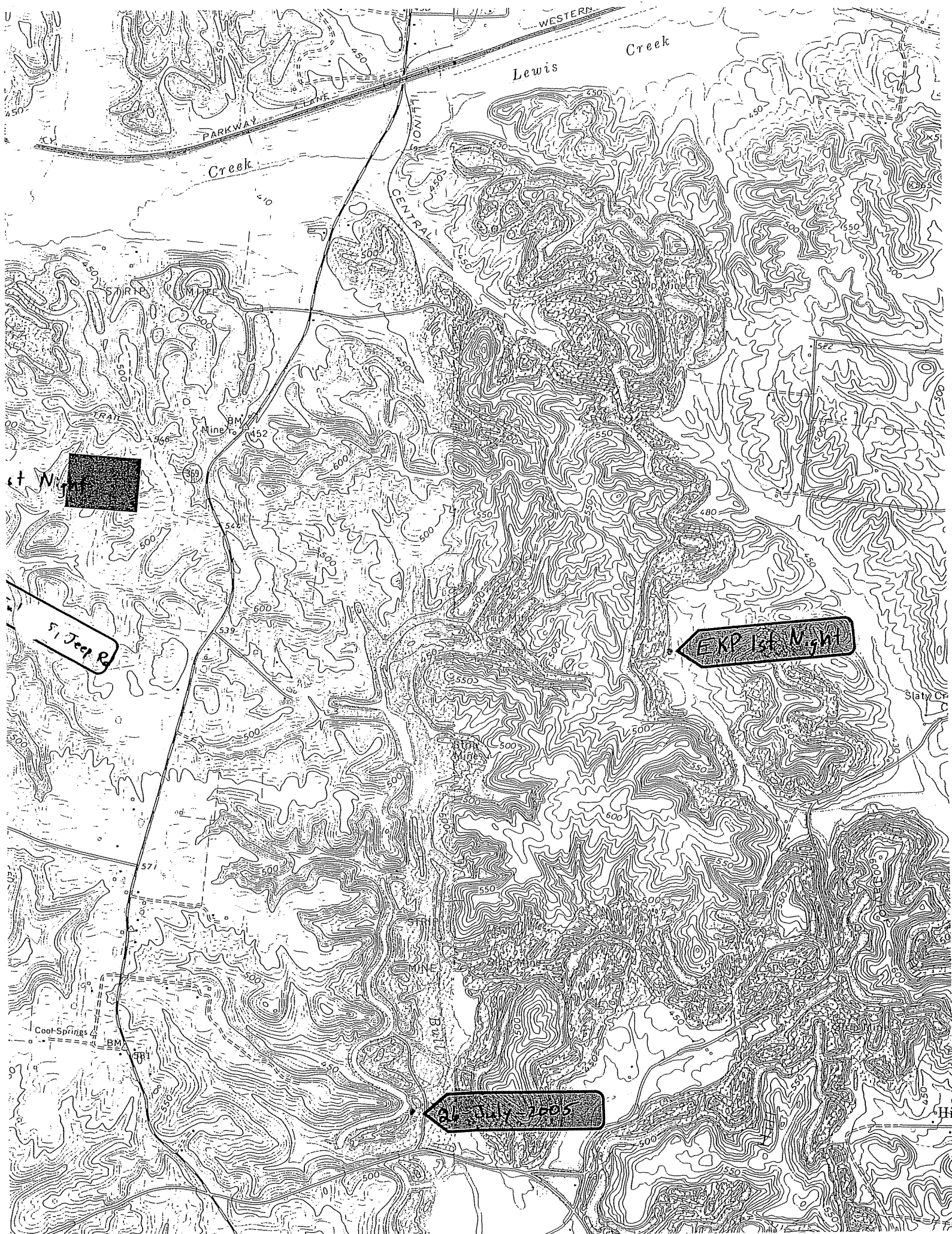
Dominant Subcanopy Species

1. Sycamore 2. Green Ash 3. River Birch

Dominant Shrub Species

1. Burton Bush 2. A. glaberrima 3. Red Bud

A. glaberrima



WESTERN  
Creek

Creek

CENTRAL

1st Night

EXP 1st Night

51 Jeep R

21 July 1905

PARKWAY

Lewis

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**Project Name:** East Kentucky Power Mist Net Surveys

**Project #:** 05-328

**Survey Date(s):** 18 July – 10 August 2005 **Biologists:** Jeff Schwierjohann & Robert Oney

Cool Springs Road Net Site A – 26 July



Cool Springs Road Net Site B – 26 July





# Bat Capture Data Sheet

Project No.: OS-328/ELP Date: 9-Aug-2005 Biologists: Robert C. Oney, Wesley Byrd

Net Site: Stream RD State/Country/Quad: KY/Ohio/EQUALITY

GPS: 37° 25' 55" N, 87° 02' 51" W Nets Opened: 9:00 p.m Nets Closed: 2:00 a.m

Time	Temp	Humi	Wind	Cloud Cover	Moon
9:00	80°	79	0-3	20	—
10:00	79°	79	0-3	20	—
11:00	79°	79	0-3	20	—
12:00	74°	88	0-3	0	—
1:00	73	84	0-3	0	—
2:00	73	91	0-3	0	—

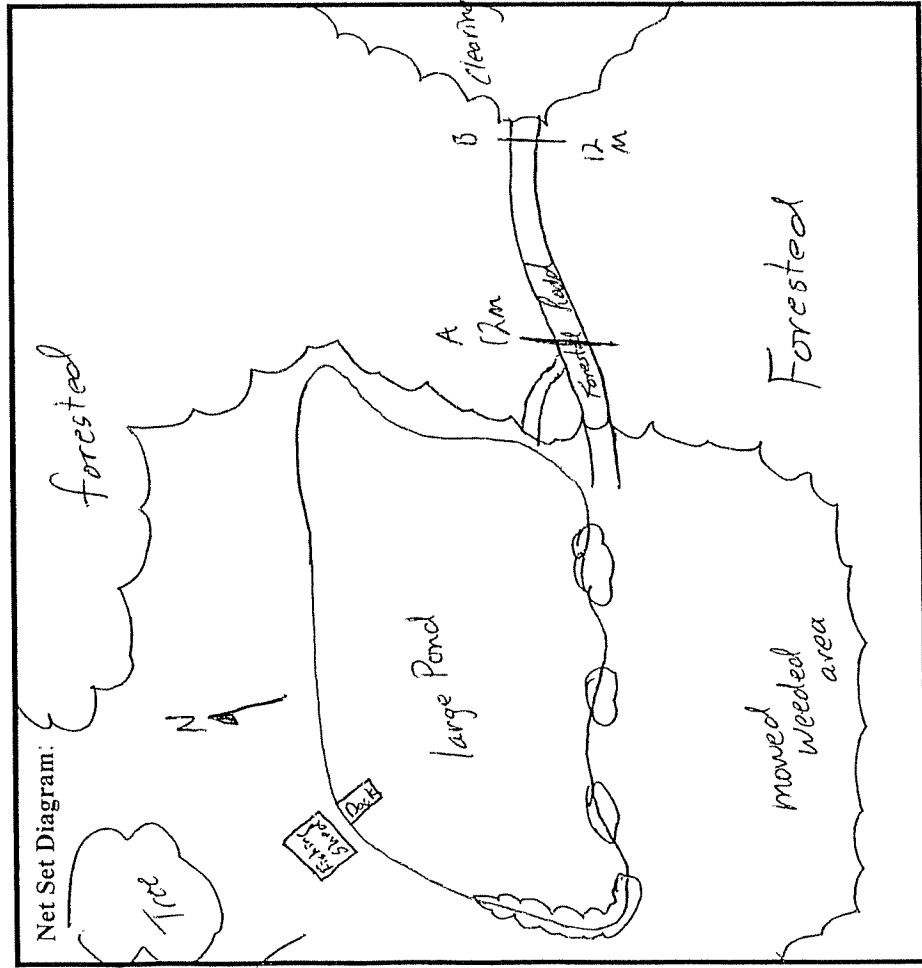
Beaufort Wind Scale	Description
0-3	Calm to light air
4-18	Light to moderate breeze
19-31	Fresh to strong breeze
≥ 32	Nets closed

Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other
A	12m	20'	X				
B	12m	20'	X				

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #

NO CAPTURES

**NET SITE HABITAT DESCRIPTION**



Project: OS-328 / Shoal Rd off of 85 out of Island FV

Date: 9-Aug-2005 Site Name: SURR 20

Estimated Distance to Water Source: 150-200'

STREAM CHARACTERISTICS

Bank Height: \_\_\_\_\_ Channel Width: \_\_\_\_\_ Stream  
 Width: \_\_\_\_\_ Riparian Width: \_\_\_\_\_  
 Avg. Water Depth: \_\_\_\_\_ % Canopy Cover: \_\_\_\_\_  
 % Substrate type: Bedrock \_\_\_\_\_, Boulder \_\_\_\_\_, Cobble \_\_\_\_\_, Gravel \_\_\_\_\_  
 Sand \_\_\_\_\_, Fines \_\_\_\_\_

VEGETATION

Estimated Canopy Closure: closed moderate open

Dominant Canopy Species Avg. DBH range 12-15"

1. Sweetgum <sup>Pignut</sup> 2. Carya glabra 3. Acer saccharum

Roost Tree Potential consists of: Large Trees Snags Both

Roost Tree Potential for Area: High Moderate Low

Dominant Subcanopy Species

1. Ulmus alata 2. Acer saccharum 3. Nyssa sylvatica

Dominant Shrub Species

1. Sassafras albidum 2. Aralia spinosa 3. Ulmus alata

Comments: Southern leopard (Rana utricularia), Fowler's Toad (Bufo woodhousii fowleri), (Acris crepitans blanchardi)

Eumeces fasciatus (Five-lined skink), (Rana pipiens) Northern leopard frog, R. catesbeiana, Rana clamitans melanota

Chelydra serpentina

Site photo # 6-7 A1B 5-4-net A

+ Bats observed over and around pond.

# Bat Capture Data Sheet

Project No.: OS-328/ELP Date: 10-Aug-2005 Biologists: Robert C. Bney Wesley Byrd

Net Site: Shrull Rd State/Country/Quad: KY/Ohio/Equality

GPS: 37° 25' 55" N, 87° 08' 51" W Nets Opened: 9:00pm Nets Closed: 2:00am

Time	Temp	Humi	Wind	Cloud Cover	Moon
9:00	<del>84</del>	<del>87</del>	0-3	0	---
10:00	74	76	0-3	0	---
11:00	78	72	0-3	0	---
12:00	77	77	0-3	0	---
1:00	77	77	0-3	0	---
2:00	74	84	0-3	0	---

Beaufort Wind Scale	Description
0-3	Calm to light air
4-18	Light to moderate breeze
19-31	Fresh to strong breeze
≥-32	Nets closed

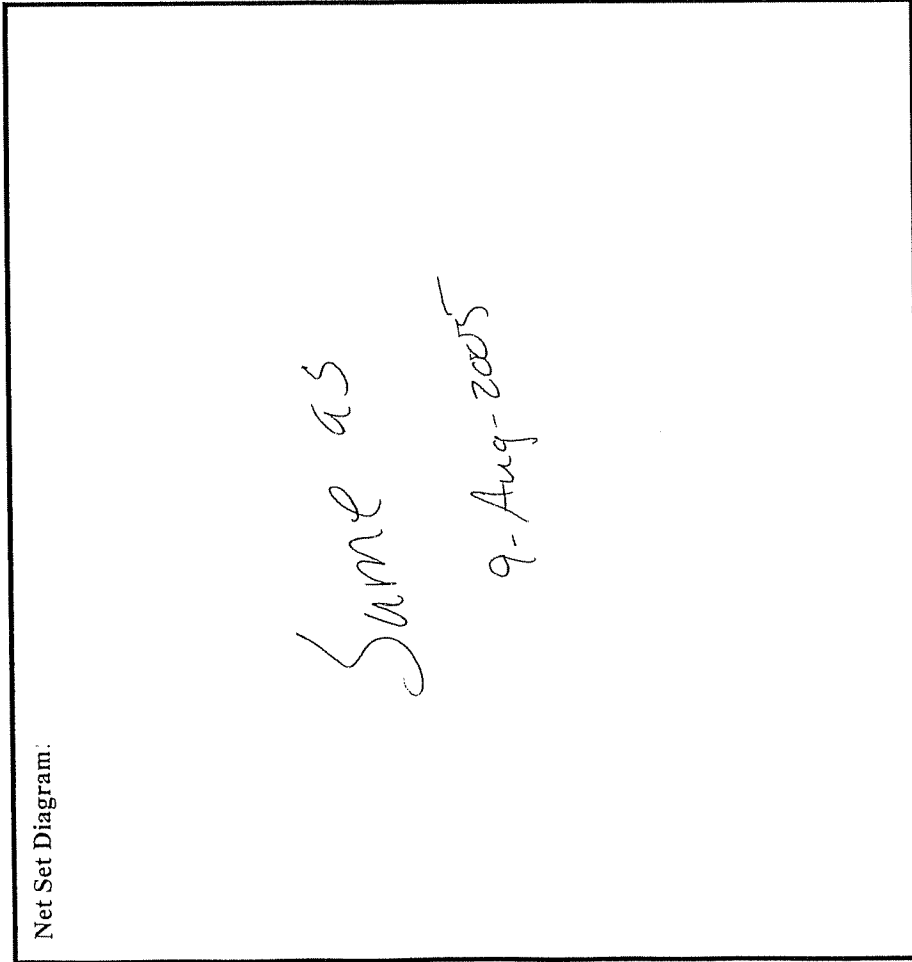
Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other
A	12M	20'	X				
B	12M	20'	X				

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #
1	<i>Myotis borealis</i>	2:24	J	M	↑	9.7g	39.55	N	A / Middle center	A13906
2	<i>M. borealis</i>	2:30	A	F	RL	12.2g	42.08	N	A / back-center	A13907

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended

NET SITE HABITAT DESCRIPTION

Net Set Diagram:



Project: OS-32B / Shull Rd Site off of 85 out of Island, KY  
 Date: 10-Aug-2005 Site Name: SHULL RD  
 Estimated Distance to Water Source: 150-200'

STREAM CHARACTERISTICS

Bank Height: \_\_\_\_\_ Channel Width: \_\_\_\_\_ Stream  
 Width: \_\_\_\_\_ Riparian Width: \_\_\_\_\_  
 Avg. Water Depth: \_\_\_\_\_ % Canopy Cover \_\_\_\_\_  
 % Substrate type: Bedrock \_\_\_\_\_, Boulder \_\_\_\_\_, Cobble \_\_\_\_\_, Gravel \_\_\_\_\_,  
 Sand \_\_\_\_\_, Fines \_\_\_\_\_.

VEGETATION

Estimated Canopy Closure: closed moderate open  
 Dominant Canopy Species Avg. DBH range 12-15'  
 1. Liquidambar styraciflua 2. Carpe glabra 3. Acer saccharum  
 Roost Tree Potential consists of: Large Trees Snags Both  
 Roost Tree Potential for Area: High Moderate Low  
 Dominant Subcanopy Species

1. Ulmus elata 2. Acer saccharum 3. Nyssa sylvatica  
 Dominant Shrub Species  
 1. Sassafras albidum 2. Aralia spicosa 3. Ulmus elata

Comments: \_\_\_\_\_

**Project Name:** East Kentucky Power Mist Net Surveys

**Project #:** 05-328

**Survey Date(s):** 18 July – 10 August 2005 **Biologists:** Jeff Schwierjohann & Robert Oney

Shrull Road Net Site A – 9 & 10 August

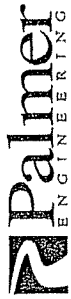


Shrull Road Net Site B – 9 & 10 August









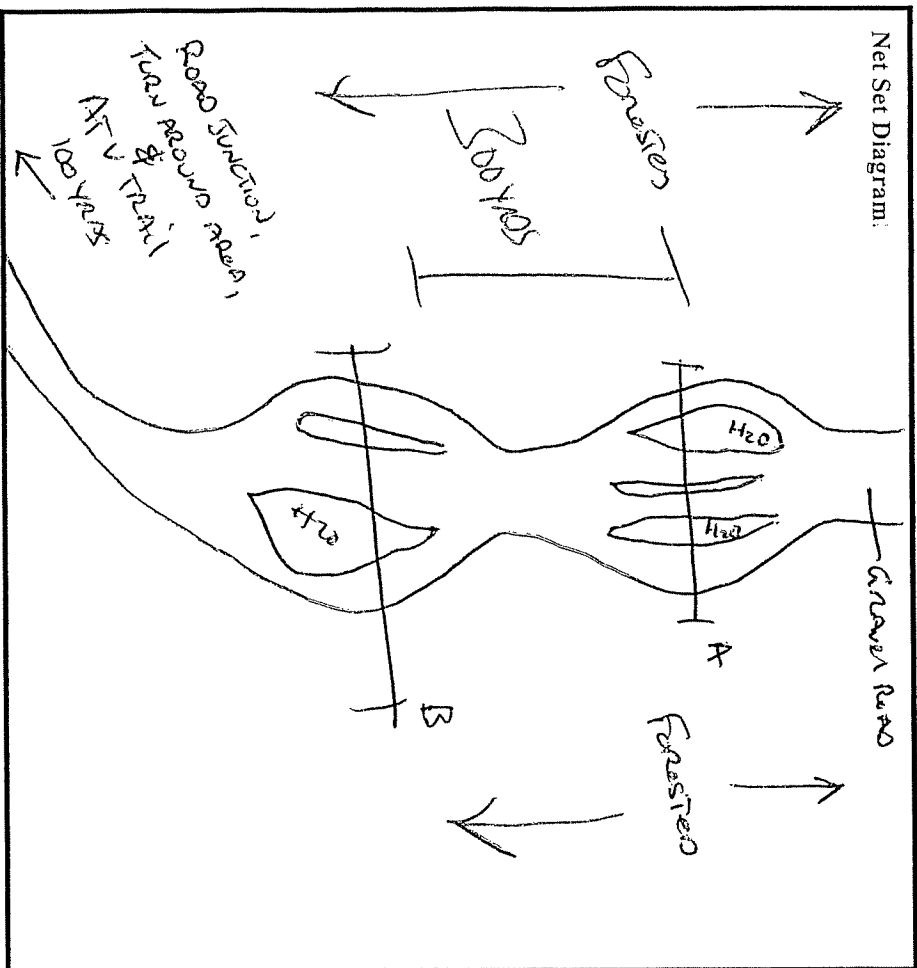
# Bat Capture Data Sheet

Project No.: 05-328/EKSP      Date: 26 July 05      Biologists: Schwenshand  
 Net Site: Walton Ashland 9      State/Country/Quad: KY / Ohio / Paradise / Cromwell  
 GPS: 37° 20' 20" N, -86° 52' 12" W      Nets Opened: 2045      Nets Closed: 0200

Time	Temp	Humi	Wind	Cloud Cover	Moon	Beaufort Wind Scale											
						WindSpeed	Description	Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other		
2100	83	89	1	—	—	0-3	Calm to light air	A	20	20	X					Road RJT	
2200	79.6	93	—	—	—	4-18	Light to moderate breeze										
2300	78.4	94	—	—	—	19-31	Fresh to strong breeze	B	20	20	X						Road RJT
0000	77.8	95	—	—	—	≥ -32	Nets closed										
0100	77.6	95	—	—	—												
0200	76.8	96	—	—	—												

No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #
1	P. P. STRIATUS SUBFLAVUS	0030	J	M	↑	33	5.5	N	B - Center	N

NET SITE HABITAT DESCRIPTION



Project: 05-328 / ELP Lu. 1500 American

Date: 26 July 05 Site Name: Lu. 1500 - American

Estimated Distance to Water Source: 0

STREAM CHARACTERISTICS

Bank Height: \_\_\_\_\_ Channel Width: \_\_\_\_\_ Stream

Width: \_\_\_\_\_ Riparian Width: \_\_\_\_\_

Avg. Water Depth: \_\_\_\_\_ % Canopy Cover \_\_\_\_\_

% Substrate type: Bedrock \_\_\_\_\_, Boulder \_\_\_\_\_, Cobble \_\_\_\_\_, Gravel \_\_\_\_\_, Sand \_\_\_\_\_, Fines \_\_\_\_\_

VEGETATION

Estimated Canopy Closure: closed moderate open

Dominant Canopy Species Avg. DBH range 10-8"

1. Prinositalis 2. Styraciflua 3. A. Rubra

Roost Tree Potential consists of: Large Trees Snags \_\_\_\_\_

Roost Tree Potential for Area: High \_\_\_\_\_ Moderate \_\_\_\_\_

Dominant Subcanopy Species

1. V. Americana 2. Styraciflua 3. R. Psoralea

Dominant Shrub Species

1. Rubus spp 2. Rhus glabra 3. \_\_\_\_\_

Both Low

Comments: Early Successional Forest with few larger trees scattered throughout. Observed 1 small BAT foraging in canopy at 2100, American Road, Green Run, Forey Tree Park.

**Project Name:** East Kentucky Power Mist Net Surveys

**Project #:** 05-328

**Survey Date(s):** 18 July – 10 August 2005 **Biologists:** Jeff Schwierjohann & Robert Oney

Wilson/Aberdeen #9 Net Site A – 26 July



Wilson/Aberdeen #9 Net Site B – 26 July





Project No.: EKP Bat Survey 105-328     Date: 25-July-2005     Biologists: Robert C. Oney, Wes. Byrd  
 Net Site: Jeep Road off of Happy Hollow Rd     State/County/Quad: KY/Ohio/Paradise  
 GPS: 37° 19' 56" N, 82° 54' 19" W     Nets Opened: 9:00pm     Nets Closed: 2:00am

Net	Length	Height	Road	Stream	Pond	Cave/Portal	Other
A	18'	20'	X				
B	27'	20'	X	Between two ponds			

WindSpeed	Beaufort Wind Scale	
	WindSpeed	Description
0-3	0-3	Calm to light air
4-18	4-18	Light to moderate breeze
19-31	19-31	Fresh to strong breeze
≥ 32	≥ 32	Nets closed

Time	Temp	Humi	Wind	Cloud Cover	Moon
9:00	83	86%	0-3	0	—
10:00	80	83%	0-3	0	—
11:00	77	82%	0-3	0	—
12:00	75	82%	0-3	0	—
1:00	75	85%	0-3	0	—
2:00	74	84%	0-3	0	—

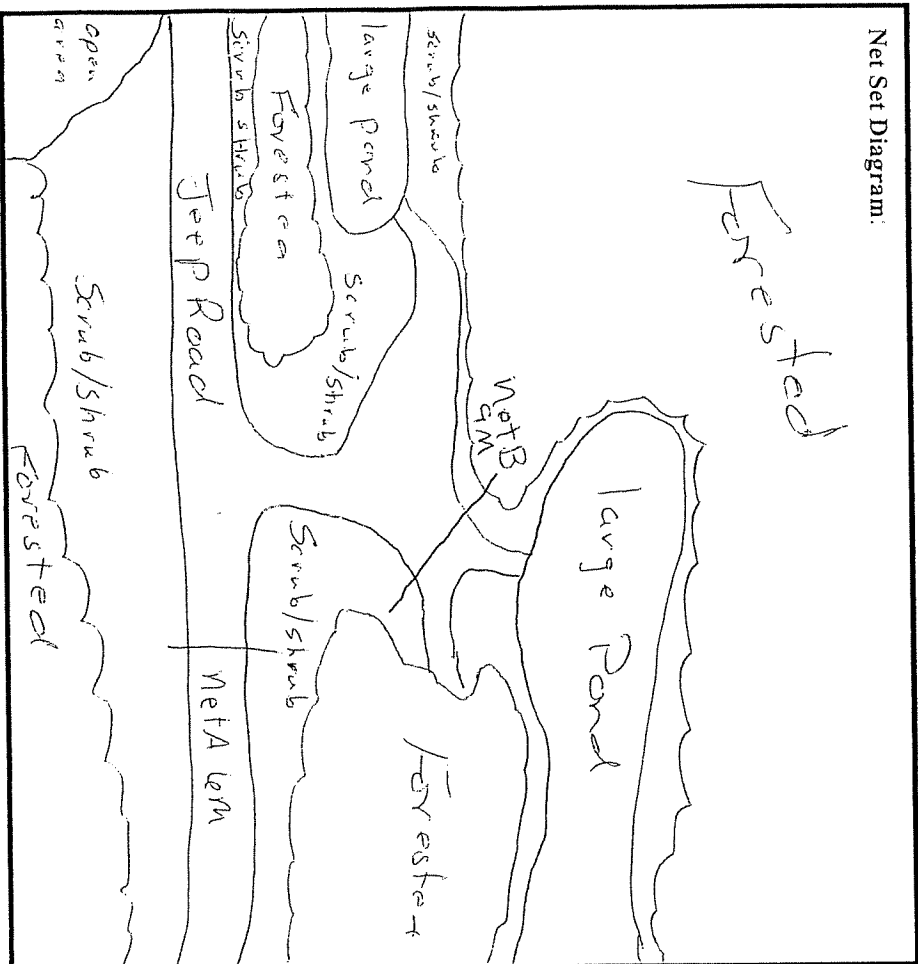
No.	Species	Time	Age	Sex	Repro.*	Wt	RFA (mm)	Feces (Y/N)	Net/Location	Band #

NO Captures

Reproduction: P - Pregnant; L - Lactating; PL - Post Lactating; ↑ - Testes Ascended; ↓ - Testes Descended  
 400 Shoppers Drive  
 PO Box 747  
 Winchester, Kentucky 40392-0747  
 (859) 744-1218

**NET SITE HABITAT DESCRIPTION**

Net Set Diagram:



Comments: Net A over Road corridor above 2 large ponds. Net B Between ponds on left of

Rd. Both Placed after Powerline. Bats observed flying high in open area and over ponds several

Photos 101 SPB Net A 105 Net A Canopy not closed (open) on Net B

103-104 Net B

Notes - species: Virginia pine (P. virginiana) (P. taeda) hickory, Red Oak, (C. stellata) Swamp Oak (Q. bicolor), soil

Shaded area (P. taeda) and wood (P. taeda) in area

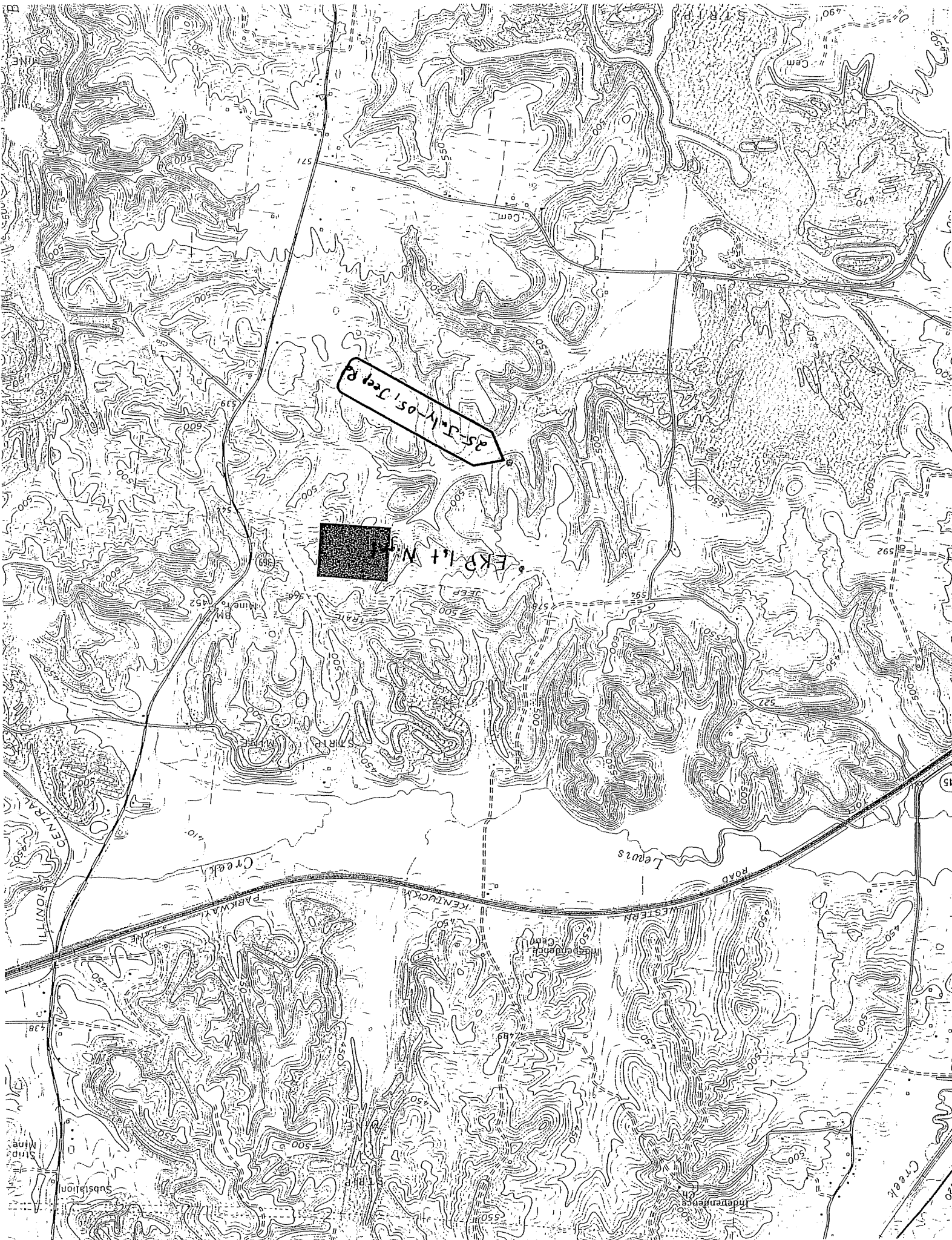
Project: EKP Bat Survey 105-328  
 Date: 25-July-2005 Site Name: Seep Rd.  
 Estimated Distance to Water Source: -2--

**STREAM CHARACTERISTICS**

Bank Height:      Channel Width:      Stream  
 Width:      Riparian Width:       
 Avg. Water Depth:      % Canopy Cover       
 % Substrate type: Bedrock     , Boulder     , Cobble     , Gravel     ,  
 Sand     , Fines     .

**VEGETATION**

Estimated Canopy Closure: closed (moderate) open  
 Dominant Canopy Species Avg. DBH range ~12"  
 1. Green Ash 2. Sycamore 3. White Pine  
 Root Tree Potential consists of: Large Trees Snags Both  
 Root Tree Potential for Area: High Moderate Low  
 Dominant Subcanopy Species  
 1. Black locust 2. Sugar maple 3. Green Ash  
 Dominant Shrub Species  
 1. Aunt Ann Olive 2. Winged Sumac 3. Devil's walking stick







**Project Name:** East Kentucky Power Mist Net Surveys

**Project #:** 05-328

**Survey Date(s):** 18 July – 10 August 2005 **Biologists:** Jeff Schwierjohann & Robert Oney

Jeep Road Net Site A – 25 July



Jeep Road Net Site B – 25 July





# East Kentucky Power Mist Netting Data Sheet

②  
4A

Date: 7/6/05 Project: Wilson-Aberdeen County: Ohio Quad: Equality SE  
 Location: Lone Star Rd, West 1903 ≈ 1 mile Anabat #: \_\_\_\_\_  
 Start Time: 9:00 PM Start Temp: 77° End Time: 2:00 AM End Temp: 67°  
 Weather: warm, humid Wind: calm Personnel: MCT, CSC

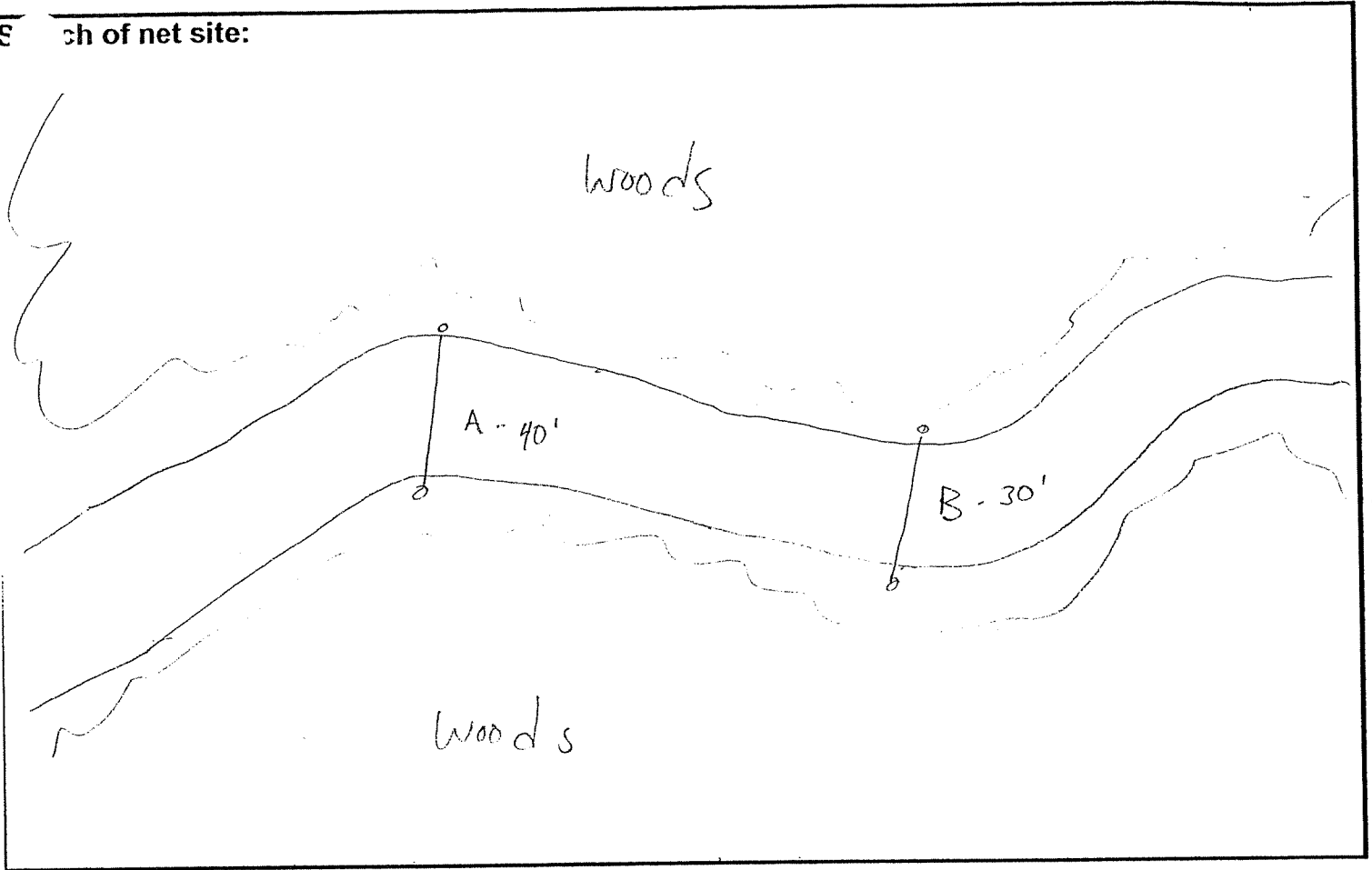
Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: <u>KDFWR</u>	Transmitter Frequency
1	10:45	<i>L. borealis</i>	♂	ADT	0F	11ET	A/7'		
2	1:00	<i>L. borealis</i>	♂	ADT	0F	11ET	B/12'		
3	1:00	<i>L. borealis</i>	♀ Lac.	A	13.4	40	B/12'	A11790	
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S' Description: Gravel road, wooded on both sides, decent canopy  
 Lone Star Rd Net 7605 37.39016 N 87.01091 W GPS 1

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



## Vegetative description:

White oak, sycamore, redbud, sweet gum, tulip poplar, black walnut  
Beech

Herps:

# East Kentucky Power Mist Netting Data Sheet

28

Date: 7-21-05 Project: Wilson Aberdeen County: Ohio Quad: 1 quality SE

Location: Lone Star Rd (Barani) off of 1903 Anabat #: \_\_\_\_\_

Start Time: 9:15 Start Temp: 95° End Time: 1:00 pm End Temp: \_\_\_\_\_

Weather: hot wind Wind: 2 mph Personnel: MCT, BRG

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
1	9:30	<i>L. borealis</i>	F/Imm.	JUV	10.1	43	A/12	A 225	
2	9:30	<i>L. borealis</i>	M/NA	J	7.4	39	B/5	A11781	
3	9:45	<i>L. borealis</i>	M/ID	A	12.0	41	B/5	A11813	
4	10:05	<i>L. borealis</i>	F/Imm	J	9.9	41	A/7	A11760	
5	10:15	<i>L. borealis</i>	F/Imm	JUV	8.7	41	B/10	Not Banded	
6	1:00	<i>L. borealis</i>	M/Imm	J	9.1	41	B/15		
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3 Description:

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:

Vegetative description:

Herps:

# East Kentucky Power Mist Netting Data Sheet

(3a)

Date: 6/21/05 Project: Warren County: Ohio Quad: Paradise NW

Location: Gravel Center, Rd. off of Midway Rd. (Macdoux Crm Rd) Anabat #: GPS#2

Start Time: 9:00 PM Start Temp: 75° End Time: 2:00 AM End Temp:         

Weather: Warm, humid, clear Wind: Calm Personnel: JRY, CG, JWB

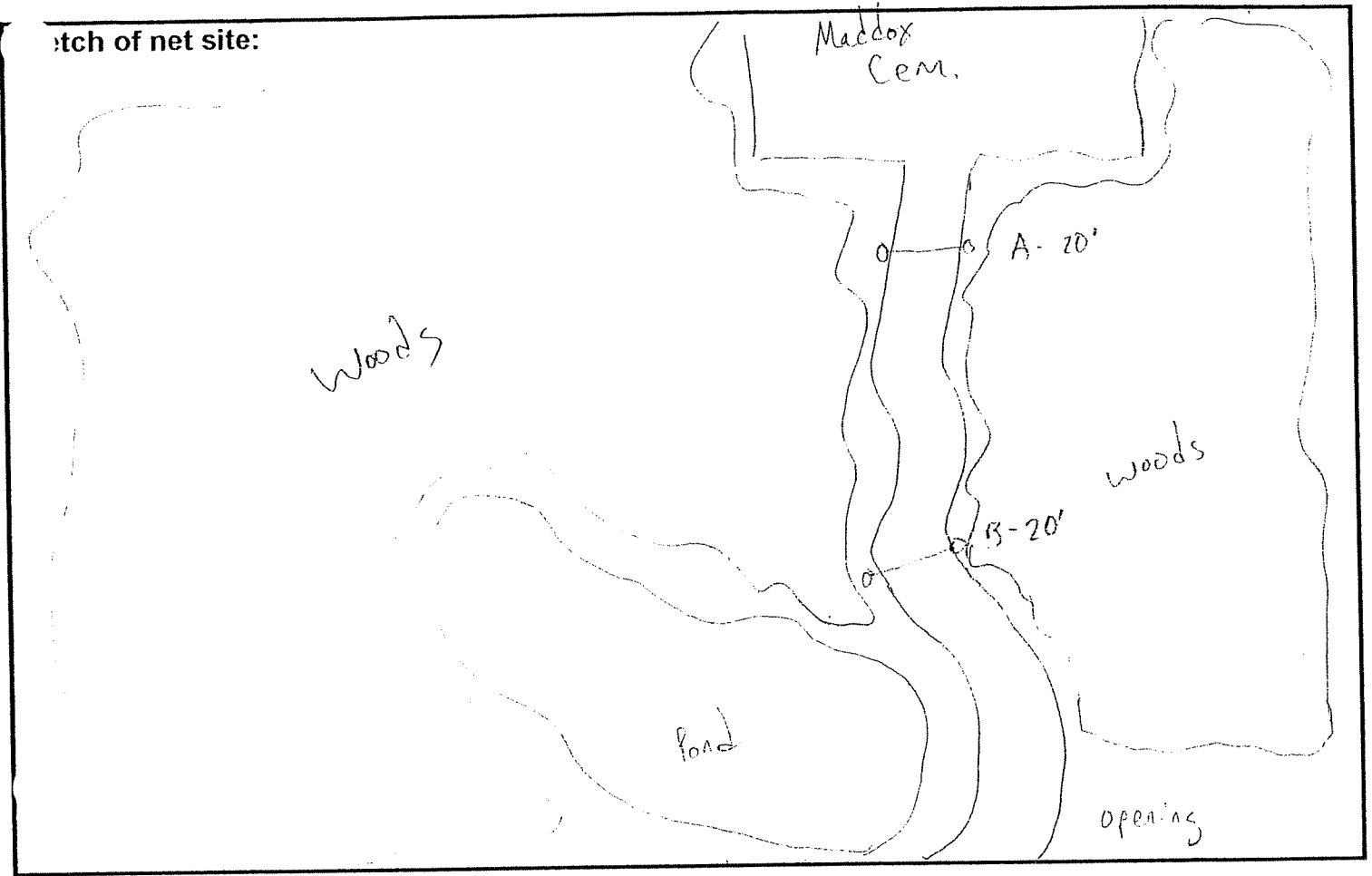
Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: <u>KDFWR</u>	Transmitter Frequency
1	10:15pm	<u>-borcaalis</u>	<u>F/L</u>	<u>A</u>	<u>14.6g</u>	<u>40mm</u>	<u>A/5ft</u>	<u>H11843</u>	
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Site Description: Waypoint 37.36676°N 86.95228°W WAM NET 1  
Gravel road with woods & pond adjacent to road, decent canopy, woods very thick

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



## Vegetative description:

Virginia Pine, Sweet Gum, Red Maple, Sycamore

Herps: Croaker Frogs<sup>(V)</sup>, Green Frog<sup>(V)</sup>, American Toad, Bullfrog<sup>(V)</sup>, Gray Treefrog



# East Kentucky Power Mist Netting Data Sheet

Date: 7-5-05 Project: Wilson - Aberdeen County: Ohio Quad: Paradise NW 3b

Location: Maddox Cem Rd off Midway Rd off 62 Anabat #: \_\_\_\_\_

Start Time: 9:00 Start Temp: 75 End Time: 2:00 AM End Temp: 68°

Weather: Clear & humid Wind: — Personnel: JC, MT

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

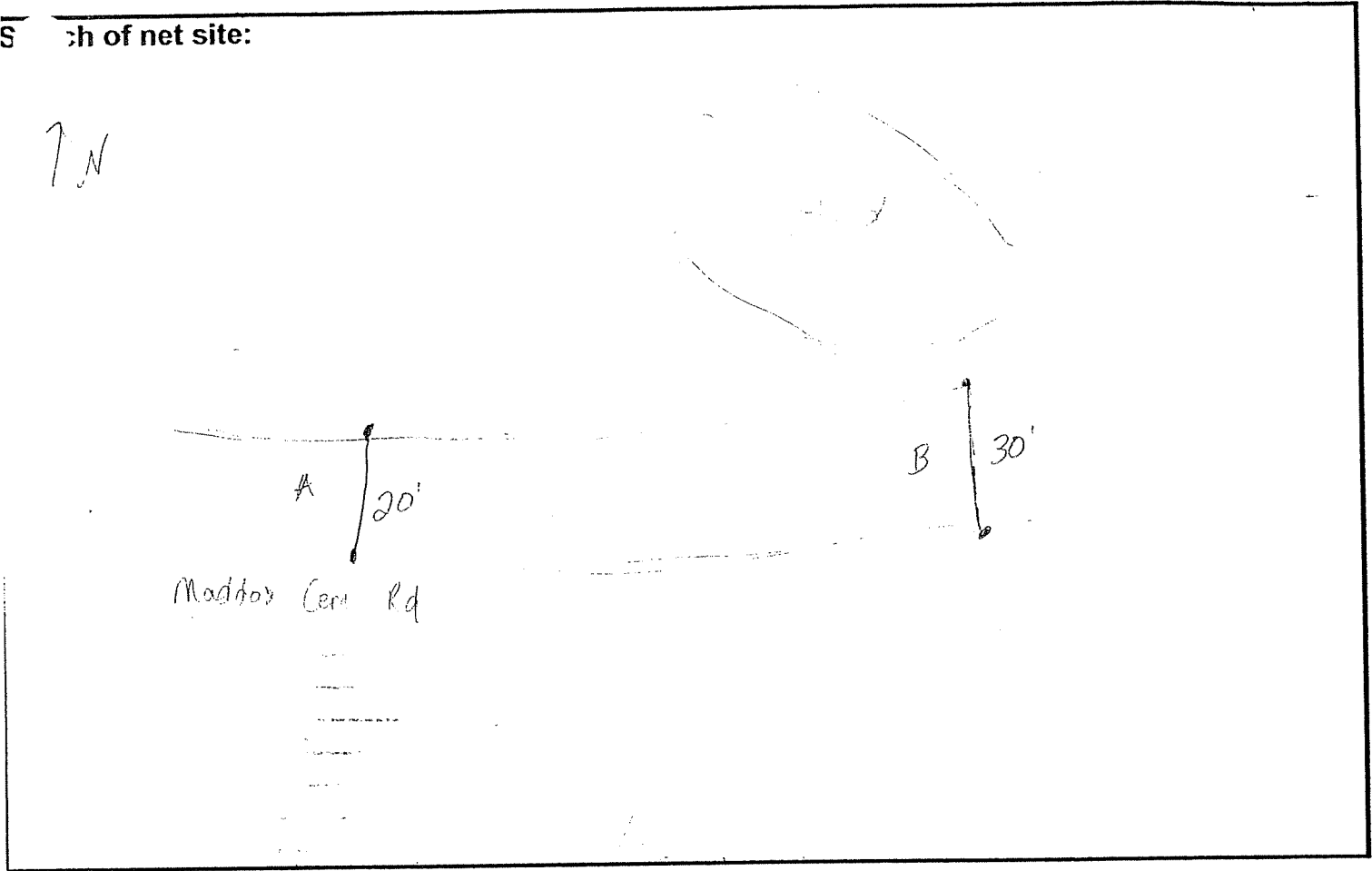
#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: <u>KDFWR</u>	Transmitter Frequency
1	10:00	<i>L. borealis</i>	GOT.	OUT	OF	NET	A / 2'		
2	10:00	<i>L. borealis</i>	♀ Lac.	A	12.9	40	B / 8'	A11779	
3	10:20	<i>E. fuscus</i>	♂	A	17.5	45	B / 7'	A11753	
4	10:20	<i>E. fuscus</i>	♀ Lac.	A	19.3	48	B / 7'	A11850	
5	10:20	<i>E. fuscus</i>	♀ / L	A	19.2	49	A / 4'	A11842	
6	10:40	<i>E. fuscus</i>	Recapture				A / 15'	A11753	
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9 Description:

GPS #1 Paradise NW 35° 17' N 82° 45' W  
 Message: Maddox Cem Rd 7-5-05

# East Kentucky Power Mist Netting Data Sheet

S :h of net site:



## Vegetative description:

Cedar	Cherry
Sycamore	Sunac
Elm	Black Oak
Pine	White Oak
Sugar Maple	Box elder

## Herps:

Green Frog  
Gray Treefrog  
Fowler's  
Cricket

# East Kentucky Power Mist Netting Data Sheet



Date: 6/15/05 Project: Warren County: Ohio Quad: Paradise NE

Location: Gravel Road (unnamed) parallel to WK Parkway off of Happy Hollow Rd Anabat #:

Start Time: 7:00 PM Start Temp: 21.5° End Time: 2:00 AM End Temp: 50°F

Weather: calm, warm, humid Wind: calm Personnel: CSC, JNB

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

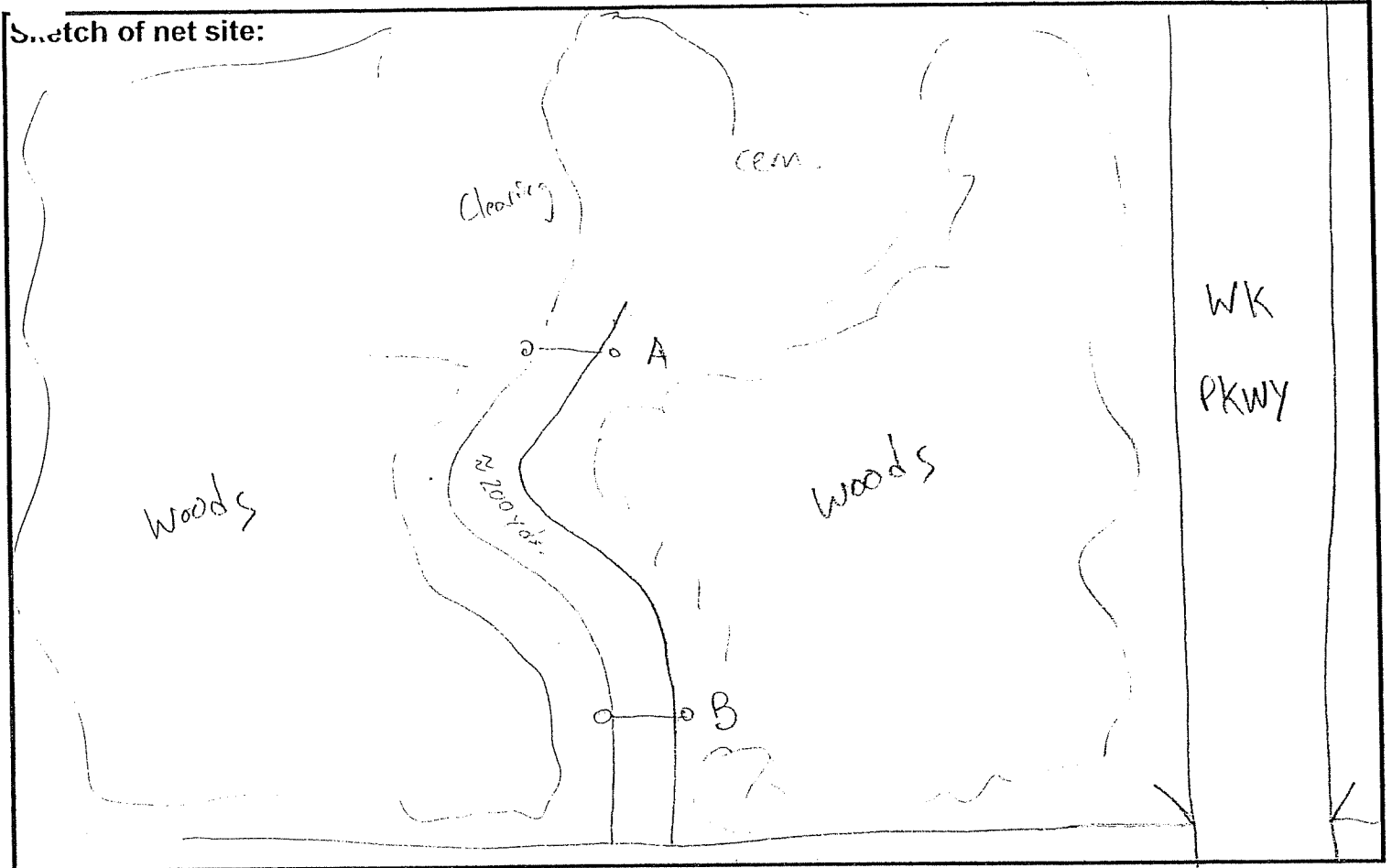
#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: <u>KDFWR</u>	Transmitter Frequency
1	10:10	<i>L. borealis</i>	] GOT	OWT	OF	NET	B/12'	NETS	
2	10:15	<i>L. borealis</i>					A/4'		
3	10:15	<i>L. borealis</i>					A/8'		
4	11:20	<i>L. borealis</i>	F/2	1	140		B/4'	A 190	
5	11:30	<i>L. borealis</i>	GOT	OWT	OF	NET	B/8'		
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Site Description: Waypoint 023 (GPS # 2) increased gravel road to secondary off of Happy Hollow rd, wooded corridor w/ nice canopy closure

37.34672°N 86.92981°W

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



## Vegetative description:

Sycamore, Tulip Poplar, Red Maple, White Oak, Sweet Gum, Pinus strobus  
Black Cherry, Red Oak

## Herps:

P. v. Turtle, Cricket Frogs (v) Fowler's Toad, Green frogs (v) Bullfrogs (v)

# East Kentucky Power Mist Netting Data Sheet

(4b)

Date: 6-20-05 Project: Warren - Project IV County: Ohio Quad: Paradise NE

Location: Cemetery road off Happy Hollow Rd Rt. 1245 Anabat #: \_\_\_\_\_

Start Time: 9:30 pm Start Temp: 74.5°F End Time: 2:00 am End Temp: 58°F

Weather: clear & wet/humid Wind: 0-5 mph Personnel: JRB, JWB

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
1	1:15 pm	coarctatus	M	F	9.5g	71mm	10ft	A11594	
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5 Description:

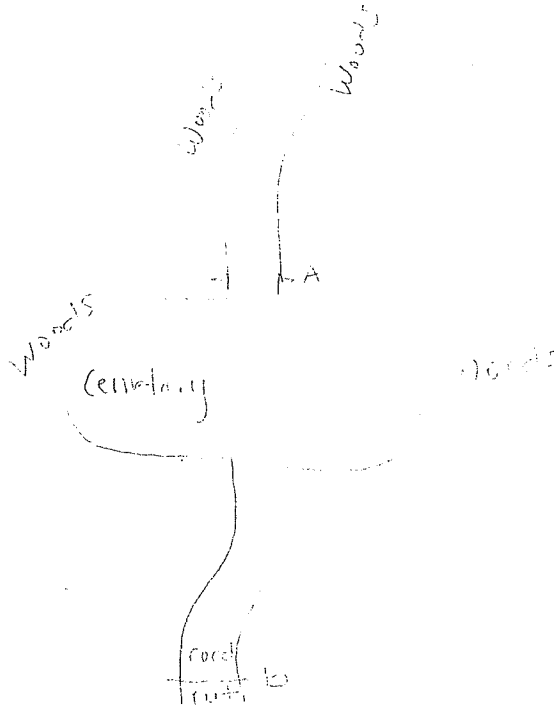
# East Kentucky Power Mist Netting Data Sheet

5

ch of net site:

1245

Happ Hill Rd.



**Vegetative description:**

- Platanus occidentalis
- Cercis canadensis
- Liquidambar styraciflua
- Liriodendron tulipifera
- Quercus velutina
- Sassafras albidum
- Rhus glabra
- Fraxinus americana
- Acer rubrum

Lespedeza sp.

**Herps:**

- Bufo americanus
- Bufo fowleri

# East Kentucky Power Mist Netting Data Sheet

(5a)

Date: 6-15 Project: Wilson - Aberdeen - Morgan County: Ohio Quad: Paradise NE  
 Location: Gravel road off of Happy Hollow Rd Savage Ln Anabat #: \_\_\_\_\_  
 Start Time: 9:30 Start Temp: 73°f End Time: \_\_\_\_\_ End Temp: 67°f  
 Weather: Clear, cool Wind: 0-5 mph Personnel: BB, MT

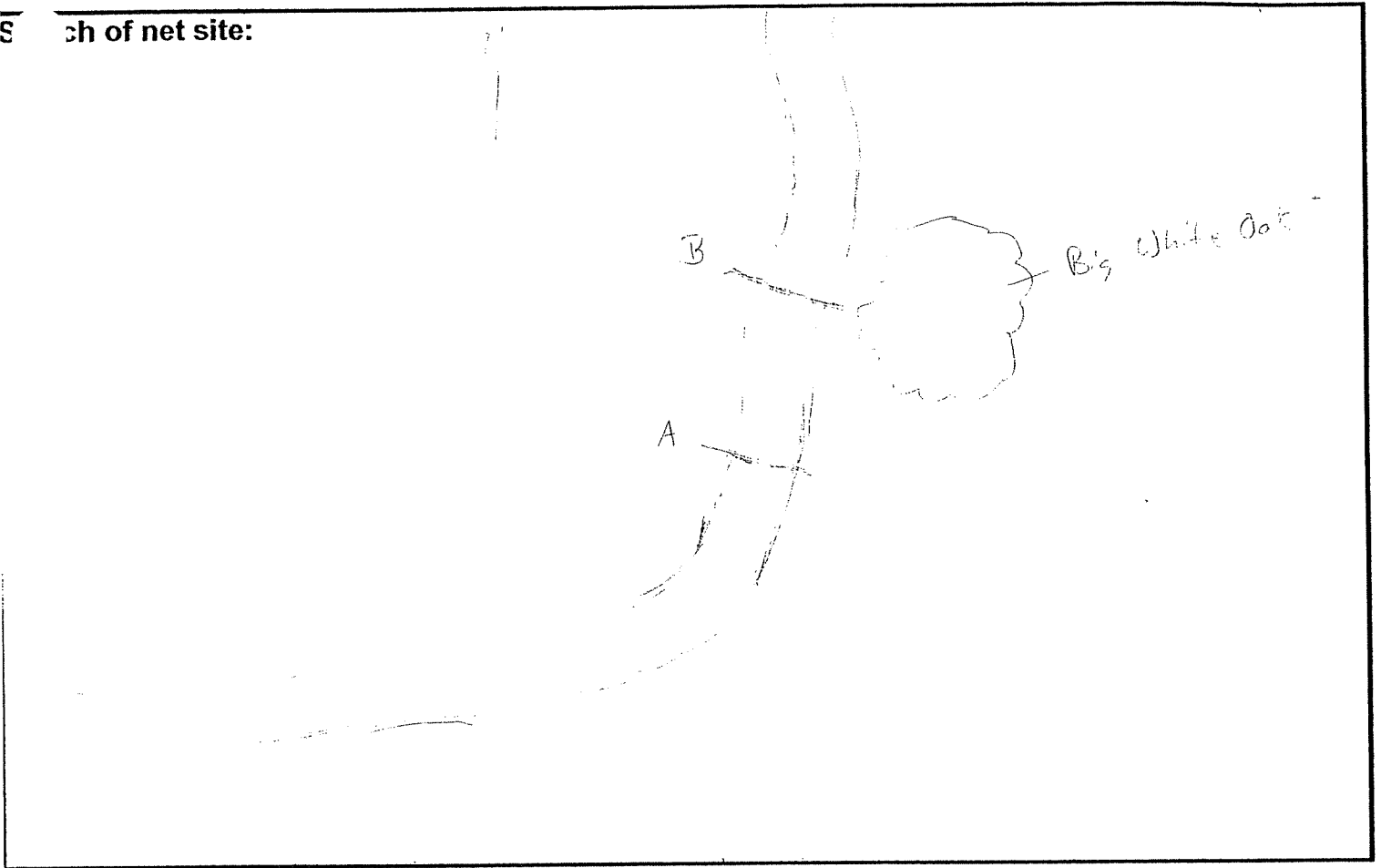
Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: <u>K/F/W</u>	Transmitter Frequency
1	9:45	<i>Lasiurus borealis</i>	F/L	A	13.1	44	B/12'	A11595	
2	10:10	<i>Lasiurus borealis</i>	F/L	A	13.4	41	B/6'	A11597	
3	1:00	<i>Lasiurus borealis</i>	<del>Recapture</del>				A/15	A11595	
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ε Description: \*GPS - PARNS 3 (37.34316 N 86.90615 W) / Pictures taken  
 Most trees less than 10' tall marginal woods

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



## Vegetative description:

Dominant Trees: Sugar Maple, Hickory, White Oak  
Other trees: Black Oak, Tulip Tree, Sweetgum, Sassafras, Redwood

**Herps:** Fowlers Toad, Bull Frog, cope's gray tree frog

Birds: Summer Tanager, Yellow-billed Cuckoo, Whip-poor-will,



### East Kentucky Power Mist Netting Data Sheet

Date: 6/20/05 Project: Wilson-McCordden-Morgan County: Ohio Quad: Paradise (NE)  
 Location: Sadings lane approx 1.0mi from Happy Hollow Anabat #: GPS #3  
 Start Time: 9:00 Start Temp: 73°F End Time: 1:00 End Temp: 63°  
 Weather: Clear Warm Humid Wind: calm Personnel: JRY MET BRG

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type:	Transmitter Frequency
1	10:35	<i>Lasius borealis</i>	F/P	A	145	11	A/11	A11597	→ RECAPTURE
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Site Description: Wooded Road corridor with some canopy coverage

GPS: #3 PARNS3 - 37.34316°N 86.9068°W

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:

Same as 6/15/05

Vegetative description:

Herps:

# East Kentucky Power Mist Netting Data Sheet

(6)

Date: 6/15/05 Project: Wilson Aber. Murg. County: Cl. Quad: Paradise (NE)

Location: Jeep Trail (On Top) South of Happy Hollow Rd Anabat #: #1 (JRYWAMI)

Start Time: 7:00 Start Temp: 68.0° End Time: 2:00 End Temp: 67.5° F

Weather: Clear - warm humid Wind: light Personnel: JRY, S.P.

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
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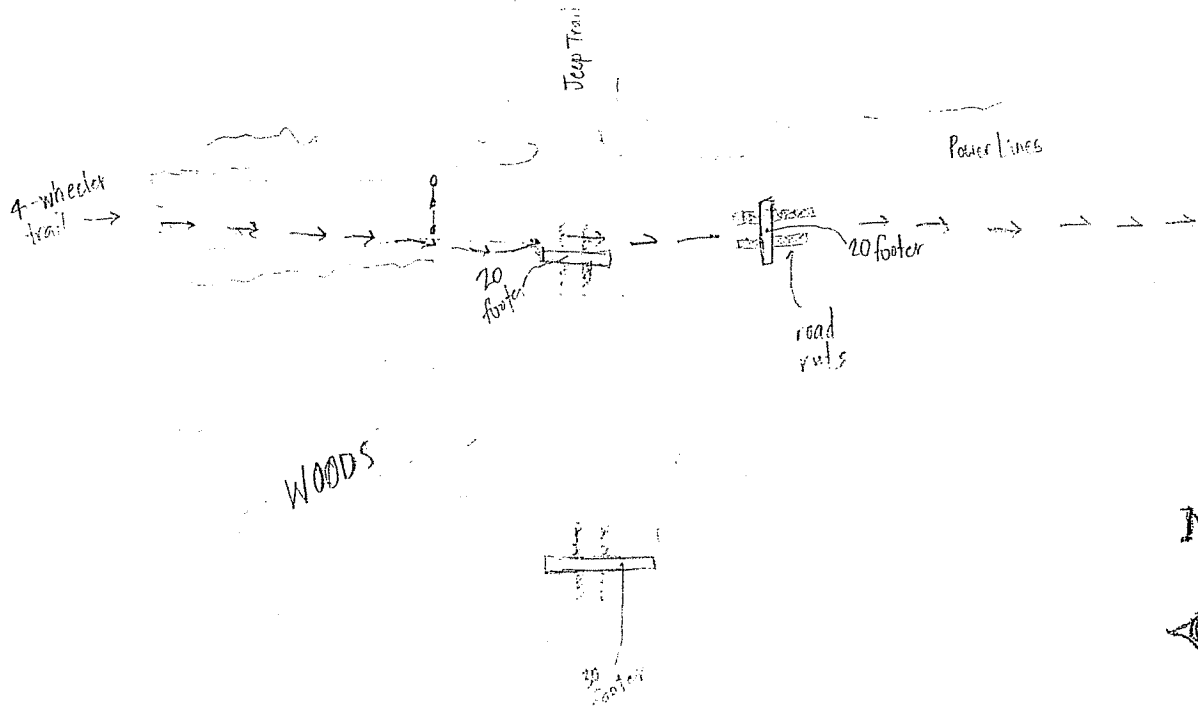
Description:  $37^{\circ}20'15''$  N  $37.33742^{\circ}$  N  
 GPS #1 JRYWAMI  $86^{\circ}54'21''$  W  $86.90587^{\circ}$  W

Reclaimed strip mine

Jeep trail and ROW intersection with multiple road cuts on Peabody/KDFWR WMA property - scrubby woods surrounding both

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



Vegetative description:

Powerline dominated by *Coccoloba*, *Eragrostis*, *Elymus* sp., *Plume* grass, tree saplings

Woods dominated by young paper, beech, hickory, oak

Herps:

*Aceris crepitans* (V), *H. dryosocete* (V), *R. catesbeiana* (V)  
*E. longicauda*, *R. sphaerocephalus*, *Thamnophis* (V)

# East Kentucky Power Mist Netting Data Sheet

GPS: WILSP011



Date: 7/5/05 Project: Wilson Aberdeen County: Ohio Quad: Pasadena NW

Location: Reclaim a strip mine, 1<sup>st</sup> L turn off gravel road that's E of Anabat #: \_\_\_\_\_  
KY 369

Start Time: 9:00 Start Temp: 75° End Time: 2:00 pm End Temp: 67°

Weather: Partly cloudy Wind: 0-5 mph Personnel: SRB, BFG

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
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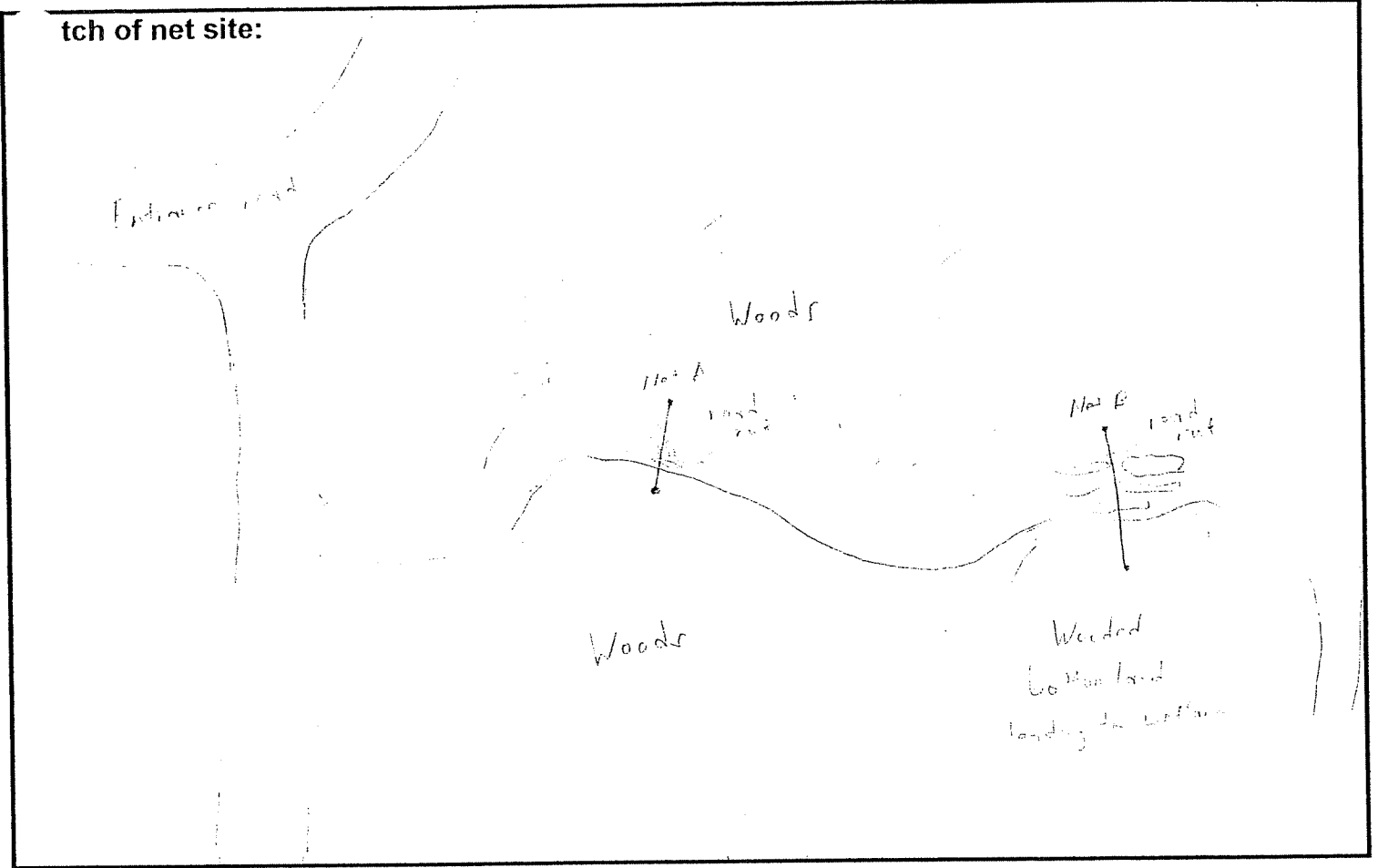
Ⓢ Description:

ATV trail running through scrubby woods, into an open road route in the trail

37 32848°N 86.86195°W

# East Kentucky Power Mist Netting Data Sheet

Location of net site:



## Vegetative description:

Sweet gum, Red cedar, Red maple, Sycamore, Tulip poplar, Slippery elm, Red bud, Beech, Stagbark cecropia, Dogwood, S. Red sat. Hackberry

## Herps:

- H. chrysocheilus - V
- A. crepitans - V
- B. clamitans - V
- B. speroserpens - V
- B. americanus - S
- S. lateralis - S

# East Kentucky Power Mist Netting Data Sheet

8a

Date: 6/20/05 Project: Waters County: Ohio Quad: Paradise NW

Location: Unnamed 4 wheelers trail off 369 just south of Wk Pkwy / Lewis Co Anabat #: \_\_\_\_\_

Start Time: 9:00 PM Start Temp: 75° End Time: 2:00 AM End Temp: 61°

Weather: Warm, humid Wind: Calm Personnel: JES, CSC

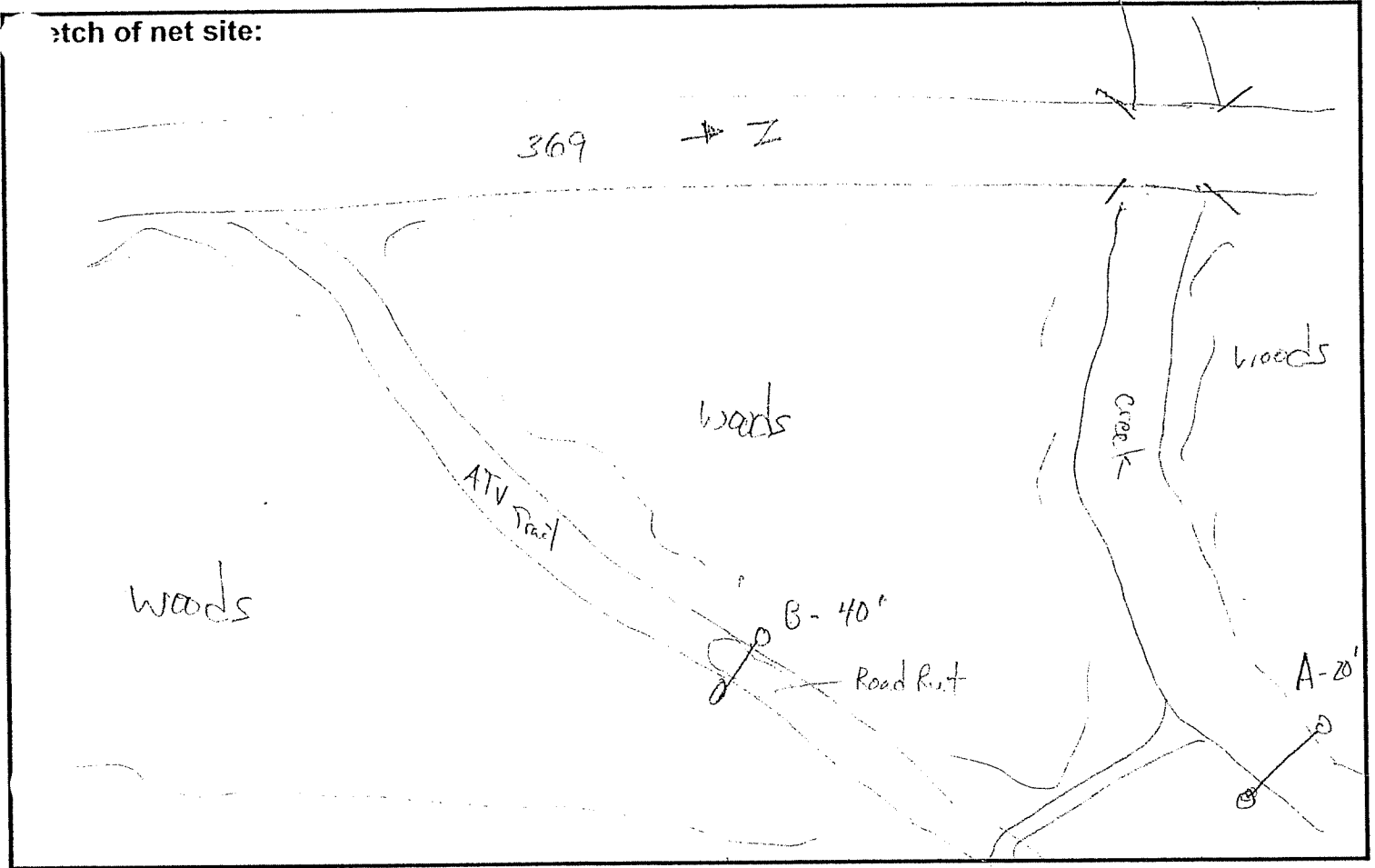
Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: <u>Kit/Wk</u>	Transmitter Frequency
1	9:10	<i>P. subflavus</i>	♀ P	A	—	35	A / 10'	—	
2	9:30	<i>P. subflavus</i>	♀ P	A	—	35	A / 6'	—	
3	11:15	<i>N. humicola</i>	♂	A	9.0	36	A / 8'	A11063	
4	12:53	<i>P. subflavus</i>	♀ P	A	7.8	34	A / 3'	A11085	
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Description: ATV trail through decent bottomland forest off rd 369 south of Wk Pkwy  
 WPT 021 61S 2 (Lewis Creek Net 62005)  
 37.35150° N 86.87965° W

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



**Vegetative description:**

Tulip Poplar, Sweet Gum, Red Maple

**Herps:**

Wood Frog



# East Kentucky Power Mist Netting Data Sheet

86

Date: 6-16-05 Project: Wetland - Project IV County: Jaco Quad: Paradise NW

Location: Dist road off 396 just south of Pkwy Anabat #: \_\_\_\_\_

Start Time: 9:30 Start Temp: 74° End Time: 2:30 End Temp: 53°

Weather: clear + humid Wind: 0 Personnel: JNE, MCT

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

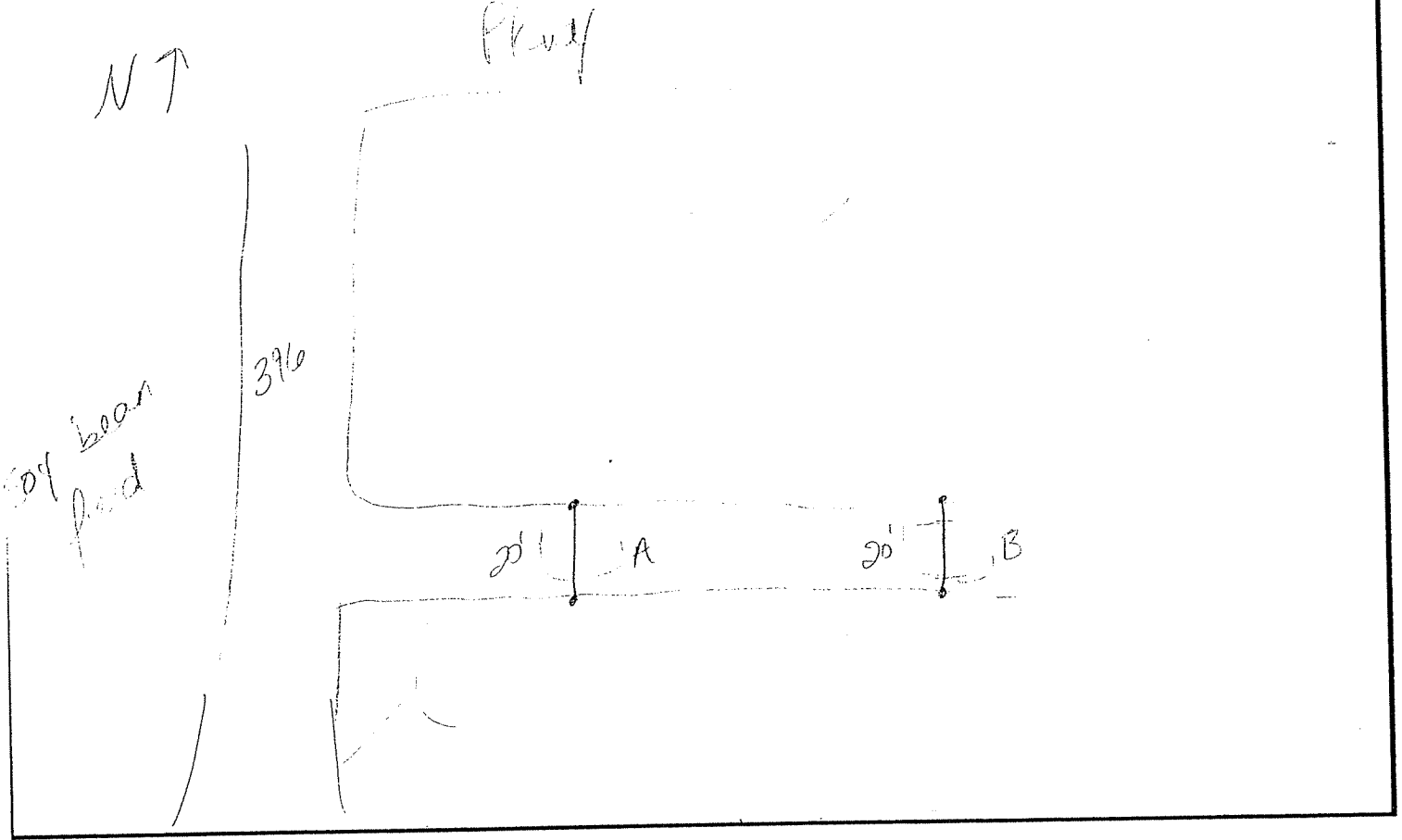
#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
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5 Description:

WPT 020 615 Z      37.5004° N    86.87963° W  
 Soybean net 6/16/05

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



## Vegetative description:

Bottomland Forest along road, netted a couple of  
road cuts so that stretch the nets

Sycamore  
Red Maple  
Rumex

Sweetgum

## Herps:

Black / Gray Rat Snake

# East Kentucky Power Mist Netting Data Sheet

9A

Date: 6/16/05 Project: Whelan County: Ohio Quad: Range 11W

Location: Whelan #1 Pond #10 SW 1/4 Sec 10 T12N R11W Anabat #: \_\_\_\_\_

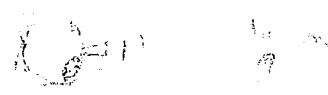
Start Time: 7:00 Start Temp: \_\_\_\_\_ End Time: 8:00 End Temp: 53.5°

Weather: cloudy Wind: calm Personnel: CSC, STY, JRY

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

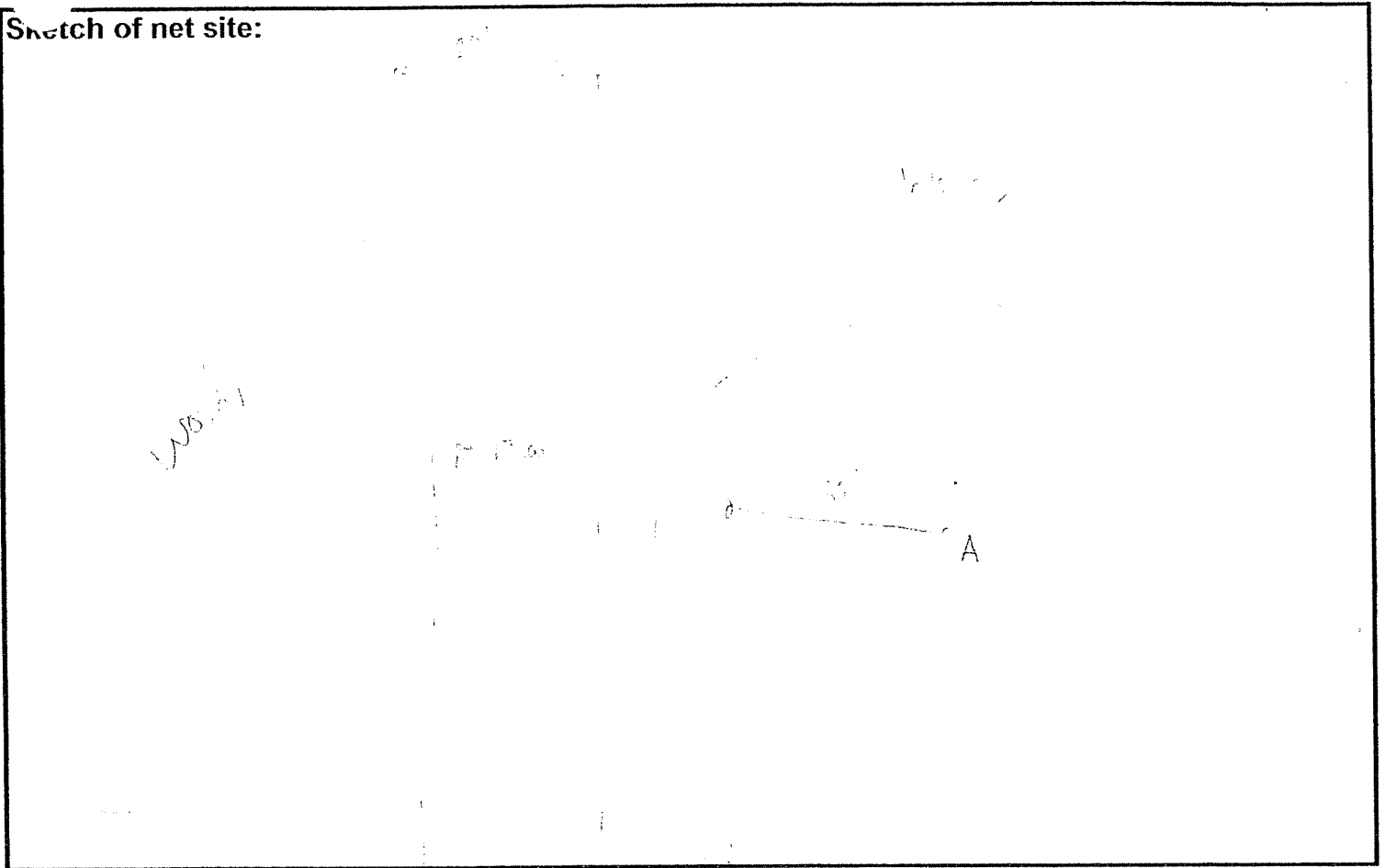
#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
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Site Description:  
 Small woodland pond adjacent to ATV Trail  
 POND 6-16 (WPT) GPS Z  
 27 24 517° N 86.97197° W



# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



Vegetative description:

Winged Elm, Sweet Gum, Redbud,  $\approx$  most appropriate species  
Blueberry, etc.

Herps:

Green Frog (N) Eastern Hyla (N)

# East Kentucky Power Mist Netting Data Sheet

(10a)

Date: 7/5/05 Project: Wilson-Aberdeen County: Ohio Quad: Cromwell (NW)

Location: OHV trail approx 0.5 mi E Cool Springs Rd Anabat #: GPS/Kamelet #3

Start Time: 9:00 Start Temp: 78.0°F End Time: 2:00 End Temp: 69.0°F

Weather: clear, hot, humid Wind: calm Personnel: STRY, STRY

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

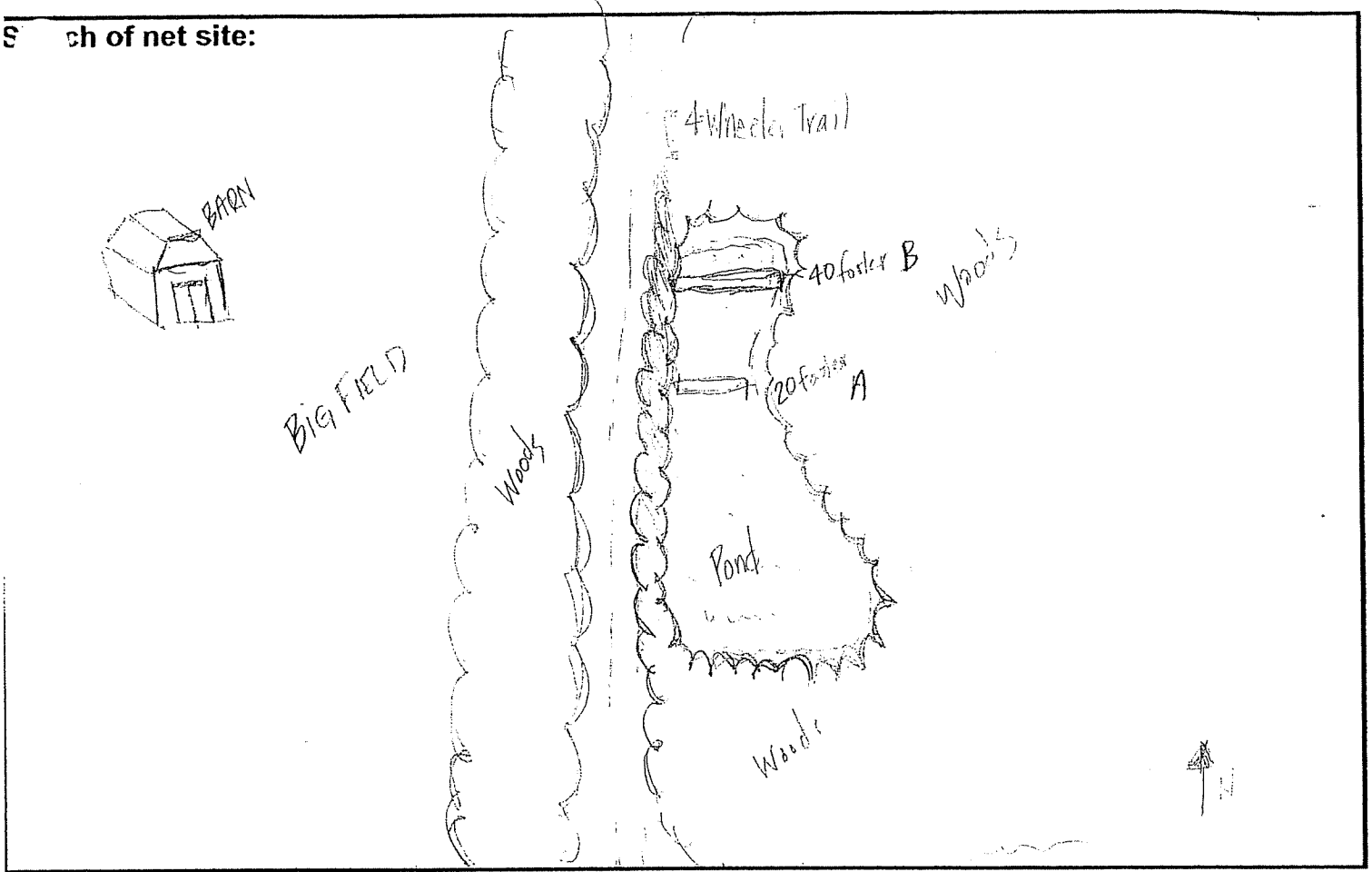
#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: KYF and N	Transmitter Frequency
1	10:25	L. borealis	F/Lac.	Adult	14.0	43	A/10	A11566	
2	10:35	L. borealis	Male	Adult	12.9	41	B/2	A11581	
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Description: Small woodland pond along OHV trail

GPS #3 - 37° 30' 23" N 86° 58' 46" W }  
 37° 19' 30" N 86° 51' 31" W } WILABNET

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



Vegetative description:

Herps: Fowler's Toad, Green Frog, Bullfrog, Cricket Frog, Grey Treefrog

# East Kentucky Power Mist Netting Data Sheet

105

Date: 7-6-05 Project: Wilson - Aberdeen County: Ohio Quad: Crowell NW

Location: OHV Trail - Cool Springs Rd. (2 nets in Pond) Anabat #: \_\_\_\_\_

Start Time: 9:30 Start Temp: 76°F End Time: 2:00 End Temp: 85°

Weather: Partly Cloudy / Rain Wind: SE 5 mph Personnel: EG, SB

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: _____	Transmitter Frequency
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3 Description:

# East Kentucky Power Mist Netting Data Sheet

Location of net site:

Vegetative description:

Herps:



## East Kentucky Power Mist Netting Data Sheet

Date: 7/6/05 Project: Wilson-Aberdeen County: Butler Quad: Flower (viii)  
 Station: Indian Camp Creek 200' upstream from Green R. Anabat #: GPS # 3

Start Time: 9:00 Start Temp: 80°F End Time: 2:00 End Temp: \_\_\_\_\_

Weather: Hazy, Hot, Humid Wind: calm Personnel: JRV, JES, STY

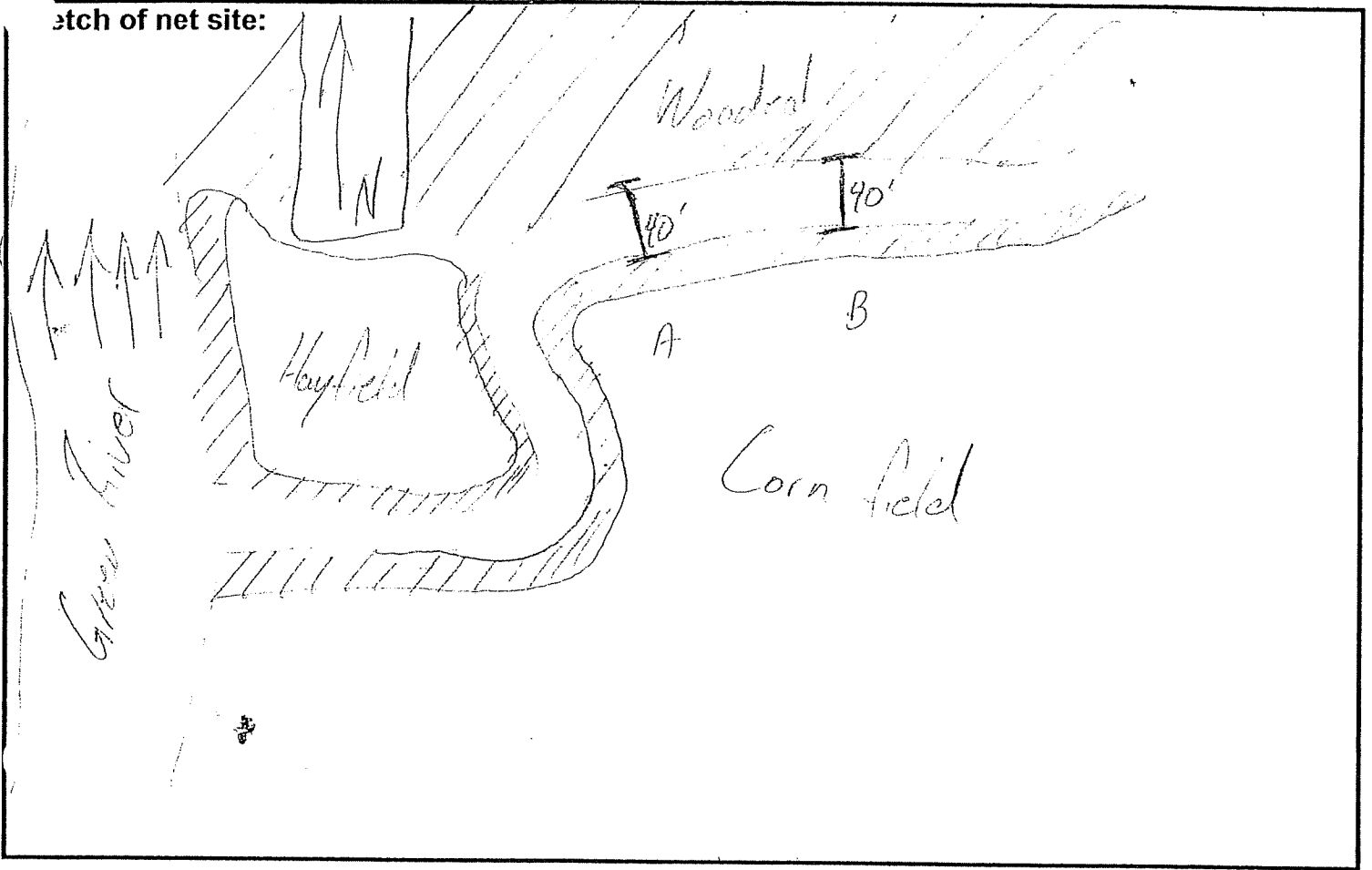
Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type: KY F9711	Transmitter Frequency
1	10:30	Pip. Sub.	F/Lac	Adult	8.2	35	12.5/A	A07215	
2	10:25	Pip. Sub.	M	Adult	6	35	18/B	A07211	
3	11:25	Ep. Fly	F/	YoY	13.4	46	12/A	A07217	
4	11:25	Ep. Fly	F/Lac	Adult	15.5	51	10/A	A07220	
5	11:25	Pip. Sub.	M	Adult	6.2	34	13/B	A07236	
6	11:50	Pip. Sub.	F/Lac	FLEW AWAY			18/A	Got out of hand	
7	11:50	Pip. Sub.	M	Adult	8	36	17/B	A07233	
8	11:50	Pip. Sub.	M	Adult	6.1	34	15/A	A07206	
9	1:30	Pip. Sub.	F/Lac	Adult	7.6	35	14/B	A07219	
10	2:00	Pip. Sub.	F/Lac	Adult	7.1	35	8/A	No Band	
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Site Description: Indian Camp Creek corridor just upstream from Green River. Creek has high (20') mud banks and is lined by large mature trees. Creek is approx 10 ft wide. P. 11 11 11.

# East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



## Vegetative description:

Sycamore

Bur oak

Silver Maple

(Smaller), Hackberry

## Herps:

Green Frog

S. Leopard Frog

# East Kentucky Power Mist Netting Data Sheet



Date: 7-7-05 Project: Wickham Lake County: Daviess Quad: E10N11W

Location: Indiana, Green Creek 1/4 mi upstream from Green R.

Start Time: 7:00 Start Temp: 80° End Time: 5:00 End Temp: 68°

Weather: Clear, 70-80 Wind: Light Personnel: J. B. Miller

Provide sketch of net site on reverse side; include net location and number, water sources, roads, trails, bridges, mines/caves, local landscape features, and vegetative description.

#	Time (EST)	Species	Sex/Repro	Age	Weight (g)	Forearm (mm)	Net/Height (ft)	Band # Type:	Transmitter Frequency
1	10:30	<i>P. subflavus</i>	F/L/P	A	8.0	34	B/7	A01392	
2	10:30	<i>P. subflavus</i>	F/L/P	A	7.5	33	B/15	A07225	
3	10:40	<i>P. subflavus</i>	F/L/P	A	9.0	35	A/8	A07231	
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Site Description: CPS # 3 Wp 1 WA 15  
37. 28657 N 86 73215 W  
Meadow Indian Camp

