Mist Netting Data Form Site No. 5
Project No./Name 50/
Site Location Worklef Lay rect to Ag. Field
County Lyou State OH Tin
Lat/Lon; UTM: N/E 41/0/44 W/N 87.888 ed Emerson west 0# Time Up 2059 Time Down 0200
WN 52.8808 Zone Datum Height Band# Moon Phase /00% G/H/B/T Wax / Wane Time Species Sex Repr. FA (mm) Net WDI Age (g) (m) Type\_ EPFU 2370 JV NR Rise Set 14,2 44.0 0616 2059 EPFIL 7370 14.3 UC.U Sun 0559 0015 LABO TV 2033 5 0 M NR 9.3 40.0 Moon 39.0 TV NR 4 5 41.0 4 Sky Wind No. Bats Time Temp (F) 6 7 2100 78 0 0 8 2200 74 0 0 0 9 0 0 0 2300 0 10 68 0 2 0000 11 6100 63 0 0 12 0200 0 13 14 15 16 Sky Code 17 0 Clear 18 Few Clouds 1 19 2 Partly Cloudy 20 Cloudy or overcast 3 21 4 Fog or smoke 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 24 25 **Beaufort Wind Scale** 26 Calm: <1 mph 27 1 Light air: 1-3 mph 28 Light breeze: 4-6 mph 2 29 3 Gentle breeze: 7-10 mph Moderate breeze: 11-16 mph Acoustic Survey: Unit type Unit # Date Start time Stop time\_ Date Start time Stop time Please Return to: Stop time\_ P.O. Box 73, Paint Lick, KY, 40461. Date Start time Weather proofing\_ (859) 925-9012 Coordinates p. 2 Comments:

N	55	ta Form	Project	No./N	ame_5	16	1_E	merso	on We	St A	pex		Date_7	-12-2016			-	
Lo	cation_\	1000   D) E Ca : N/E 41.11	dge 1	next t	J Age	culture	c field	210()			,				_		(3)	27
ınt	y some	ca	-17171	State_	OH	- 612	Time Up	2109	lin	ne Dowi	n	_	01	- T H 1	2.5		6	
/L	on; UTM	: N/E_41.17	0199		_W/N_	-8x.	88082		Zone	_	Datum_		_ Observe	ors J. IKWI	702	- 00	PPER	HEA
			1		100	i i			I see .			F Total Table	Trees	M. (500d		EN VI	DAMPHIAL	0
	Time	Species	Age	1.25	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI		Band# Type	Freq.	Moon Phas	se 59 %		(v	Vax / Wa
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			2 J = 1											6	Heavy rain	- thunde	er storm	
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5	- 3												1	-		fort Wine	Scare	
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)					-								-	3	Moderate l			
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re	alis (LABC	viations: Cory )); Lasiurus cin is grisescens (N ceius humerali	ereus (LA MYGR); M	CI); Lasi Ivotis lei	iurus sem bii (MYL	inolus (I E); Myot	LASE); Lasi is lucifugu	onycter s (MYLI	is noctivag U); Myotis	ans (LAN septentric	NO); Myotis	austroripari	ius	Please Re	eturn to: 73, Paint I			•

Mist Net Site Habitat Sheet	Site No. 5	Project No./	Name 5	501 1 Em	esson Wis	+ Ape	×		Date 7	-12-2	110
Lat/Lon; UTM: N/E 41.10144	WN 82.88085		Zone		Observers	J. Haw	Kins. M	1 600h	w		
Datum: County	nech State	OF Quad				0 10	or ij				
Site/Diagram:/ / / ///	11111	Height	Length	2016			Domir	ant Ve	getation		
1///////	Wood	Net (m)	(m)	Dates	1. Aury			4. Qu	wer P	elistris	
1/////	1 1 1	A 5,2	9	7-12.19	2. Cratay	rus 50.		5	- 1		
( ONO D	1 10 1	B 5,2	9	7-12-19	3. Fracia	vs 50		6			
Un-named Ditch	Net C	C 5.2	4	7-12.19							
8	Net	D 5.2	6	7-2.19				Set by H			
EIB Net E P	Net Net	E 9.8	9	1-12/19	Habitat	A	В	C	D	E	F
al b lives B	10 B	F			River	-	1				
) (0					Stream		1			100	11 =
-9.0	1/17	Si Di			Pond				11 - 21		
Field	- 1///	Site Photog	raphs	1.	Corridor				X		-
(100)	Net / / /	Camera:		lane	Cave						
	AVAL	Photo Log	A Carri	l. N.i.e	Mine						
	Mood		S_ref A	ME Siles Lid	Forest						
^	1/ 10+/	Mit Bo Siles		1401 - 3110 31	Gap Other				-		-
Ŷ	V / 1 /	Nett Sites			Other	X	X	X		X	
N	1////	NUF D: Sife				- 4					
2. Moderate: Snags with slough 3. Optimal: Snags with slough Water Resources: 1. Poor: ba 2. Moderate: Ephemeral or intopenings or canopy gaps allow 3. Optimal: Streams or ponds available. Forest Structure: (if hardwood 1. Poor: Habitat even aged and 2. Moderate: some diversity in may be present but rare. 3. Optimal: Mature forest. Divide gaps that facilitate bat foraging Land Cover: 1. Poor: Square 12. Marginal: Trees present in 1990.	ning bark or other roost feat at drinking resources not pro- termittent streams or ponder we bats easy access to the resources (including road ruts) present ds are absent or nearly absert d young. Trees smaller than a age of trees in the stand. To werse age classes of trees prog. kilometer surrounding site	tures present > tesent at the site of areas present ource. In that appear the torif stand is not be to 15 inch DBH. Trees 5 to 15 inch present. Trees > predominantly	15 inch De.  t but too  to offer d  s monoci Underste ches pres  15 inch I	or of the control of	feet of forested w many bats to throughout the natically qual red and restric clutter dominarying tree he e trees presen	d areas.  o drink each  he majority  ifies as a 1  icts flying,  nant but no  ight and to	y of the sur poor). foraging of ubiquito reefalls allo	nmer. Fl us. Trees	yways to s greater equent sn	resource	DBH
3. Optimal: Area is largely for  Total Habitat Score (Should be	rested. Wooded stands are					n, fence ro		wooded	corridor	0	
Comments:					P.O. Box 73		- KV 1014	1		C	4
Comments.							N. N. 1. 4040	1	COP	PERF	EAL
					859-925-901	2			******	WENTER DO	a collina

		1000 1000 1000 1000 1000 1000 1000 100	-			Mass	FA (mm)		Height	WDI	G/H/B/T	Band#	Freq.	Moon Phase		ENVI	COMINIA	Wax
#	Time	Species	Age	Sex	Repr.	(g)	M 8		(m)		100000	Type		IVIOUII I IIIIS	- 10			
1		EPFU	A	F	L	19.5	48	C	2.5	0	-	1	~			Rise	7	-
2		LABO	5	W	NR	9.5	4	0	3.0	0	-	1	2	Sun		06:1	3	Z
3	0038	EKTU	A	M	NR	16.75	48	A	25	0	_	_	_	Moon		10.	//	C
4			1				13										_	1
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30			1											4	Moderate	JICCEC. I	- 10 mpn	

Mist Netting Data Form Project No./Name 50 Site No. Emerson West Date 7/22/2016 Site Location Wood of north of Shriner ditch Time Up 2058 Time Down 0158 82.87.0591 Zone Datum NAV83 Observers T. Weste County Seneca State OH (at/Lon); UTM: (N)E 41.1151 (W)N\_ Freq. Mass Height Band# Time Species Age Sex Repr. FA (mm) WDI G/H/B/T Net Moon Phase Wax / Wane (g) (m) Type\_ 19.75 EDEU A PL 215 Rise Set EPFU 2215 16.0 Sun 2058 01017 LAMO NO 40 25 Moon 2240 100 7.5 40 TAPO 7.25 Time Temp (F) Sky Wind No. Bats 6 2100 8 81 9 0 10 COOD 8 11 0100 12 020 13 14 15 16 Sky Code 17 Clear 0 18 1 Few Clouds 19 2 Partly Cloudy 20 3 Cloudy or overcast 21 4 Fog or smoke 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 6 24 25 **Beaufort Wind Scale** 26 Calm: <1 mph 27 Light air: 1-3 mph 1 28 Light breeze: 4-6 mph 2 29 3 Gentle breeze: 7-10 mph 30 4 Moderate breeze: 11-16 mph Acoustic Survey: Unit type Unit# Date Start time Stop time Date Start time Stop time Please Return to: Date Stop time\_ P.O. Box 73, Paint Lick, KY, 40461. Start time Weatherproofing Coordinates (859) 925-9012 Comments: p. 2

Lat/Lon; UTM: N/E 41,115 W/N	Project No -8 Z -8 76 59	Zone		Observers	2.41	nema.	6.5	Date 7	7	201
Datum: NAD83 County Seneca	State_O# Quad	4	ica	o coci reio					1	
Site Diagram:		ght Length				Domin	ant Veg	etation	-	
	Net (m)		Dates	100	45/0	Domini	1	Ctution		
	A 5.2	Charles and the contract of th	7.4		Pomife	Ca	5.			
	/	2 15	7-16.7/2		Pseudoo		6.			
3	C 7	0 9	7-16.7M2	0,	Maco	00.5 301	0			
3 toll	D 5.5	2 2	711-1111	1		Net S	et by Ha	bitat		
Courted field	E 5	2 %	715/1/22	Habitat	I A I	В	C	D	E	F
N X 10	F	- 6	710,116	River		-		-		
-1 1				Stream	1		-			
S OV		-		Pond						
3	Site Photo	ographs		Corridor		1		1		
3 7	Camera:			Cave		~				
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The state of the s		8.——		Forest	1		Α-	/		
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Shrive planted ald				Other	1				./	
Shi M. Mar. II				Cuici	1/				~	
11111					1 0				Clan	
ndiana Bat Habitat Characterization (Choose a  Roost habitat: 1. Poor: No or few snags >=	5" DBH with sloughing ba	oark or othe	r usable roost feat	tures (cracks	coe et	с)			edge	
Indiana Bat Habitat Characterization (Choose a Roost habitat: 1. Poor: No or few snags >= 2. Moderate: Snags with sloughing bark or of 3. Optimal: Snags with sloughing bark or of Water Resources: 1. Poor: bat drinking res 2. Moderate: Ephemeral or intermittent street openings or canopy gaps allow bats easy acc 3. Optimal: Streams or ponds (including road available.  Forest Structure: (if hardwoods are absent of 1. Poor: Habitat even aged and young. Tree 2. Moderate: some diversity in age of trees it may be present but rare. 3. Optimal: Mature forest. Diverse age class gaps that facilitate bat foraging.	5" DBH with sloughing be other roost features present her roost features present ources not present at the stams or ponded areas present ess to the resource. It is that appears or nearly absent or if stands smaller than 5 inch DBH in the stand. Trees 5 to 15 inces of trees present. Trees	park or other at 5-15 inch D site. ent but too ar to offer d d is monocu I. Understo inches pres > 15 inch D	r usable roost feat DBH within 1000 BH within 1000 for cluttered to allow rinking resource to lture, area autom ry growth clutter ent. Understory of BH frequent. Val	tures (cracks) feet of foreste many bats throughout throughout the matically qual red and restrictutter domi-	s, crevices, et sted areas. ed areas. to drink easi the majority lifies as a 1: p icts flying/finant but not eight and tre	ly or simu of the sum poor). oraging ubiquitou efalls allo	nmer, Fly us. Trees w for free	ways to greater t juent sm	orridors, resources han 15" E	ВН
Indiana Bat Habitat Characterization (Choose a Roost habitat: 1. Poor: No or few snags >= 2. Moderate: Snags with sloughing bark or of 3. Optimal: Snags with sloughing bark or of Water Resources: 1. Poor: bat drinking res 2. Moderate: Ephemeral or intermittent street openings or canopy gaps allow bats easy acc 3. Optimal: Streams or ponds (including road available.  Forest Structure: (if hardwoods are absent of 1. Poor: Habitat even aged and young. Tree 2. Moderate: some diversity in age of trees in may be present but rare.  3. Optimal: Mature forest. Diverse age class	5" DBH with sloughing be other roost features present her roost features present ources not present at the stams or ponded areas presentess to the resource. In the stand of the stand of the stand. Trees 5 to 15 in the stand. Trees 5 to 15 in the stand of trees present. Trees to counding site predominant all woodlots and wooded and stands are connected to	park or other to 5-15 inch D site. ent but too ar to offer did is monocut. Understo inches preside in the E inches preside in	r usable roost feat DBH within 1000 BH within 1000 for cluttered to allow rinking resource to lture, area autom ry growth clutter ent. Understory of BH frequent. Valueted. Few mature to Little connection	tures (cracks) feet of foreste r many bats to throughout to natically qual red and restrictutter domi- rying tree he trees preser on to adjacer	s, crevices, et sted areas. ed areas. ed areas. et areas. et areas. et areas. et areas a 1: picts flying/finant but not ceight and tree et forested area, fence row	ly or simu of the sum poor). oraging ubiquitou efalls allocated to oth reas.	nmer, Fly us. Trees w for free eer areas o	greater t quent sm	orridors, resources han 15" E all openir	рвн
Indiana Bat Habitat Characterization (Choose a Roost habitat: 1. Poor: No or few snags >= 2. Moderate: Snags with sloughing bark or of Water Resources: 1. Poor: bat drinking res 2. Moderate: Ephemeral or intermittent street openings or canopy gaps allow bats easy acc 3. Optimal: Streams or ponds (including road available.  Forest Structure: (if hardwoods are absent of 1. Poor: Habitat even aged and young. Tree 2. Moderate: some diversity in age of trees it may be present but rare. 3. Optimal: Mature forest. Diverse age class gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surre 2. Marginal: Trees present in the form of sm 3. Optimal: Area is largely forested. Woode	5" DBH with sloughing be other roost features present her roost features present ources not present at the stams or ponded areas presentess to the resource. In the stand of the stand of the stand. Trees 5 to 15 in the stand. Trees 5 to 15 in the stand of trees present. Trees to counding site predominant all woodlots and wooded and stands are connected to	park or other to 5-15 inch D site. ent but too ar to offer did is monocut. Understo inches preside in the E inches preside in	r usable roost feat DBH within 1000 BH within 1000 for cluttered to allow rinking resource to lture, area autom ry growth clutter ent. Understory of BH frequent. Valueted. Few mature to Little connection	tures (cracks) feet of foreste many bats to throughout to natically qual red and restrictutter domi- rying tree he trees preser on to adjacer ooded strear	s, crevices, et sted areas. ed areas. ed areas. et areas. et areas. et areas. et areas a 1: picts flying/finant but not ceight and tree et forested area, fence row	ly or simu of the sum poor). oraging ubiquitou efalls allou eted to oth reas. , or other	nmer, Fly  is. Trees  w for free  er areas o  wooded o	greater t quent sm	orridors, resources han 15" E all openir	рвн

Site L Coun Lat/L	ocation o y <u>Sene</u> on ; UTM	7 Open wood eca M: NYE_4/.	1753	State_	Jame_5 g_wh OFI W/N_	01 eat -83.	Time Up	210 0	Ne Ve	ne Dowr	n 0206 Datum_/	VAD 83		rs G. Jan		De Beck	PPER	HEAD
#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type <u>ODNR</u>	Freq. 172	Moon Phas	e50 %		(n	vax / Wane
1	2145	EPFU-	A	M	NR	17.0	46.0	D	2.0	0						Rise		Set
2	2300	EPFU	A	M	5	19,25	47.0	A	4.0	0	-		1	Sun		06	09	2106
3	2350	EPFU	A	F	PL	23,5	48.0	A	4.0	0	_	_	-	Moon.	H	13	3/	0048
4	2350	MYSE	2	F	L	7.0	34.0	A	1.0	-0	-	23528	-					
5	2350	MISE	A	F	L	7.5	35.0	E	2.0	0	- 1	23529	387	Time	Temp (F)	Sky	Wind	No. Bats
7			+=											2100	79	-0	1	1
8							-							2200	75	3	1	0
9		1												2300	72	0	1	4
10														0000	72	0	2	0
11														0100	71	0	2	Λ
12	-													0200	-10	0	1	0
13														0000	1	-		
14		1	1							*								
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16					1 1	- 1			1 1							Sky Cod	2	5
17														0	Clear			
18					1 5							1 T		1	Few Cloud	ls		
19								1						2 '	Partly Clo	udy		
20														3	Cloudy or	overcast		
21					17 8	- 1				100				4	Fog or sme	oke		
22					1									5	Drizzle or	light rain		
23						-						1		6	Heavy rais	n - thund	er storm	
24												*						
25	1										-				Beau	ıfort Win	d Scale	
26				9 9										0	Calm: <1 :	-		
27									1.		10			1	Light air:			
28									21					2	Light bree			
29	إسح													3	Gentle bre		_	
30											11	4		4	Moderate	breeze: 1	1-16 mph	

p. 1

Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

Lat/L	on ; UTM	pen (100) La : NE 41.1	7536		(W)/N_	-83	.04250	)	Zone		Datum_∧			HPrice	s, KD	Lbeck	PPE	RH
#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phas	se 75%		(	Wax
1	0135	LABO	J	M	NR	7.7	39.0	E	3.0	0	-					Rise		
2									1					Sun		0611		12
3									1		11.00			Moon		1619		0
4																		
5	1 1													Time	Tamm (E)	Clar	Wind	
6														Time	Temp (F)	Sky	vvind	1.
7									1					2104	78	2	0	
8									11					2204	74	2	0	13
9														2304	75	2		
10									-					0004	73	0	1	
11						1					16.64			0104	73		12	1
12								77						0204	73	0	2	
13								1										
14				1							7100		-	1				Į.
15			I THE						11									
16			-	=======================================												Sky Code	2	
17			1-1											0	Clear			
18														1	Few Clou	ds		
19														2	Partly Clo	udy		
20						-		1 - 1						3	Cloudy or	rovercast		
21														4	Fog or sm	oke		
22				-										5	Drizzle or	light rain	E.	
23	- 3		2 - 1		5 - 1									6	Heavy rai	n - thunde	er storm	
24										-								
25	1			-											Bear	ufort Win	d Scale	
26			-	1	- 1									0	Calm: <1	mph		
27	7 11				_ 1									1	Light air:	1-3 mph		
28	1 31		li I	V 31										2	Light bree			
29				Œť	_===				1 - 1					3	Gentle bre		_	
30	- 1													4	Moderate	breeze: 11	1-16 mph	
Acous	stic Surv	ey: Unit typ	oe		Unit #		Date_		Start tin	ne		Stop time						
							Date		Start tin	ne		Stop time		Please Re				
							Date		Start tin	ne		Stop time		P.O. Box	73, Paint	Lick, KY	, 40461.	

Lat/Lon; UTM: N/E 41, 17536	W)N-83,040			Zone_		Observers_(	z. Jano	s, K. D.	Beck			_
Datum: N4D 83 County Senec	Sta	te_0 #						Desir	and Was	atatian.		
Site Diagram:				Length	The state of the s			Domi	nant Veg		L == '	
		Net	(m)	(m)	Dates	1. Acer 1			4. Acei	Socc	nat mus	Y.
		A	7.8	9	7/11,7/14	2. Ulmus		The same of the sa	6.			
ads		В	5.2	12	7/1/	3. Acer n	equinac		0			
Now		C	5.2	6	7/11, 1/14			Not	Set by H	ahitat		
open woods	TE	D	5.2	9	7/11.7/14	Habitat	A	В	C	D	Е	F
0.3 //	*	E	5.2	4	1/11, 1/14		A	ь	-			-
	10	F				River					1	-
I	, 6					Stream			-			
// -		Cita	Dhataa	iombo.		Pond		1	1			
/x/ /		Site	Photogr nera: 61	apris		Corridor Cave		V	V			1
creek woods A	in the same			0300-	0305	Mine			1	1		
7	Wheat	THO	to Log	000	-500	Forest						1
was so						Gap						
17 0	Field					Other	1				7 - 7	
/						Edge	V		-	-		
						forest Interio	W.			1		
3. Optimal: Snags with sloughin Water Resources: 1. Poor: bat do 2. Moderate: Ephemeral or interropenings or canopy gaps allow b 3. Optimal: Streams or ponds (in available.  Forest Structure: (if hardwoods 1. Poor: Habitat even aged and y 2. Moderate: some diversity in a	rinking resources no nittent streams or po ats easy access to the cluding road ruts) pr are absent or nearly oung. Trees smaller	t present a nded areas resource. resent that absent or it than 5 inch	t the site s present appear to f stand is n DBH.	but too o offer d monocu	cluttered to allow rinking resource ulture, area autor ory growth clutte	v many bats to throughout the matically qual red and restri	o drink eas he majority ifies as a 1 icts flying/	y of the su poor).	mmer. Fl	yways to	resource	es are
may be present but rare.  3. Optimal: Mature forest. Diver gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kil.  2. Marginal: Trees present in the 3. Optimal: Area is largely fores.  Total Habitat Score (Should be be	ometer surrounding e form of small wood ted. Wooded stands	site predoi	minantly ooded fe	un-fore	sted. Few matur s. Little connecti	e trees presen	it not conn it forested in, fence ro	ected to o	ther areas	of trees.		ings a
						I lease letu						
omments:						P.O. Box 73		k, KY. 404	61		۳	

Mist Netting Data Form Site No. 8 Project No./Name 50/
Site Location Faside woodlet weder Cornfield EMESSON Time Up 2055 Time Down 2105 State OH County Senera DatumVAD33 Observers Lat/Lon; UTM: N/E 4/. Zone / Freq. Band# Wax) Height Mass Wane Moon Phase G/H/B/T FA (mm) WDI Net Time Species Age Sex Repr. (m) Type\_ (g) Rise Set 0 FPFU 1.5 0610 Sun C 0 Moon 3 2.0 Sky Wind No. Bats Temp (F) Time 0 6 O 77 0 2100 0 7 73 7 2200 EPFL 5.0 2300 72 70 41 +5 0000 B 10 .5 70 12100 d 11 72 0000 2,0 0 EPFU 12 13 3. 6 2 EPFU 0 14 1.5 15 FAFU 0 Sky Code 3.0 16 0008 23.75 0 Clear 46 2.5 17 Few Clouds 1 18 R 0150 FPFU 0.5 2 Partly Cloudy 19 Cloudy or overcast 3 20 4 Fog or smoke 21 5 Drizzle or light rain 22 Heavy rain - thunder storm 23 24 **Beaufort Wind Scale** 25 0 Calm: <1 mph 26 Light air: 1-3 mph 1 27 Light breeze: 4-6 mph 2 28 Gentle breeze: 7-10 mph 3 29 Moderate breeze: 11-16 mph 30 Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius P.O. Box 73, Paint Lick, KY, 40461. (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR) (859) 925-9012

Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

p. 1

Datum: NAD 83 County Senera State of Quad - A. Ashmere	Lat/Lon; UTM: 0/E 4/. 15554 WN 8.	2,94446	Zone .	/	Observers	- Let	Link			- /-	
Height   Length   Dominant Vegetation		State O H Quad			/	7. Asl	mere				
Net   (m)   Dates   1.   A such a mode   2.   A such a mode   3.   A s	Site Diagram:			hl n		1 11-			getation	Te	
Roost habitat   Poor: No or few snags >= 5" DBH with sloughing bark or other roost features present 1-5 inch DBH within 1000 feet of forested areas.    An object   An objec	whea	Control of the Contro		Dates	1. A. ru	seum	- 40. 340				
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D   2   D   2   D   E   F	wer sen B	C 5.2	4								
Site Photographs   Site Photographs   Corridor   Cave   Photo Log:   Mp   Caultable   Photo Log:   Mp   Caultable   Photo Log:   Mine   Photo Log:	Cases		6				Net	Set by H	labitat		
Stream   Pond   Stream   Pond   Pon		E 5.2	6	123	Habitat	A	В	C	D	E	F
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Site Photographs Camera: Photo Log: Mp Couried  Roost habitat: 1. Poor: No or few snags >= 5" DBH with sloughing bark or other usable roost features (cracks, crevices, etc) 2. Moderate: Snags with sloughing bark or other roost features present 5-15 inch DBH within 1000 feet of forested areas. 3. Optimal: Snags with sloughing bark or other roost features present 5-15 inch DBH within 1000 feet of forested areas. Water Resources: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but too cluttered to allow many bats to drink easily or simultaneously. No corridors, openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to offer drinking resource throughout the majority of the summer. Flyways to resources are available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is monoculture, area automatically qualifies as a 1: poor). 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Understory growth cluttered and restricts flying/foraging 2. Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches present. Understory clutter dominant but not ubiquitous. Trees greater than 15" DBH may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 inch DBH frequent. Varying tree height and treefalls allow for frequent small openings are gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site predominantly un-forested. Few mature trees present not connected to other areas of trees. 2. Marginal: Trees present in the form of small woodlots and wooded fence rows. Little connection to adjacent forested areas. 3. Optimal: Area is largely forested. Wooded stands are connected to other wooded stream, fence row, or other wooded corridor.  Total Habitat Score (Should be between 4 & 12)		Ben	11 141 -		Stream		X	X	X		1
Camera:   Camera:   Camera:   Camera:   Camera:   Camera:   Photo Log:   Photo Lo		reld	-		Pond						7.1
Alliera.  Photo Log: ***Defended**  Roost habitat: 1. Poor: No or few snags >= 5" DBH with sloughing bark or other usable roost features (cracks, crevices, etc.)  Anderate: Snags with sloughing bark or other roost features present 5-15 inch DBH within 1000 feet of forested areas.  3. Optimal: Snags with sloughing bark or other roost features present 5-15 inch DBH within 1000 feet of forested areas.  Water Resources: 1. Poor: bat drinking resources not present at the site.  2. Moderate: Ephemeral or intermittent streams or ponded areas present but too cluttered to allow many bats to drink easily or simultaneously. No corridors, openings or canopy gaps allow bats easy access to the resource.  3. Optimal: Streams or ponds (including road ruts) present that appear to offer drinking resource throughout the majority of the summer. Flyways to resources are available.  Forest Structure: (if hardwoods are absent or nearly absent or if stand is monoculture, area automatically qualifies as a 1: poor).  1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Understory growth cluttered and restricts flying/foraging  2. Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches present. Understory clutter dominant but not ubiquitous. Trees greater than 15" DBH may be present but rare.  3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 inch DBH frequent. Varying tree height and treefalls allow for frequent small openings are gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site predominantly un-forested. Few mature trees present not connected to other areas of trees.  2. Marginal: Trees present in the form of small wooddols and wooded fence rows. Little connection to adjacent forested areas.  3. Optimal: Area is largely forested. Wooded stands are connected to other wooded straam, fence row, or other wooded corridor.	0		graphs						11.7		
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					r.U. box /3.	raunt Lic	K. N.I. 404	0.1			

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Mist Netting Data Form Project No./Name 501 / Emerson West Date 7/21/2016 Site No. 8 Site Location inside woodlot a edge of begy field Time Up 2045 Time Down 0200 County Seneca State OH Datum NAD 83 Observers G. Libby, R. Eat Lat/Lon; UTM: N/E 41. 15554 W/N 82.9 4446 Zone Freq. Height Band# Moon Phase 9() % WDI G/H/B/T Wax Wane Time Species Sex Repr. FA (mm) Age (m) Type\_ EPFU EFN EFN EFN EFN 3.0 Rise Set 2200 EFN 8:59 on EPFU 6:16 am 2230 A M S 18-6 1.5 Sun 0 DNB 8:06 an 3 2235 19.25 EPFU 5 0-P Moon 10:03 pm M 2.0 DNB EPFU NS 18.75 46 2.5 M 0 DNB 20.25 EPFU F DNB 47 2.0 D 0 No. Bats Time Temp (F) Sky Wind EPFU 19.75 46 2.0 O-P 6 C DNB 4 46 0 EPFU D 0 2200 010 1.5 DNB 740 010 EPFU M 2.5 DNB 2300 0 EPFU 19.75 3.0 DNB 000 700 0 0100 690 Z 12.25 42 10 0100 LABO F 0 DNB 100 200 68° 11 12 10 13 14 15 Sky Code 16 17 Clear 18 Few Clouds 1 19 Partly Cloudy Cloudy or overcast 20 Fog or smoke 21 22 Drizzle or light rain Heavy rain - thunder storm 23 24 Beaufort Wind Scale 25 26 Calm: <1 mph 0 27 Light air: 1-3 mph 1 28 Light breeze: 4-6 mph 2 29 Gentle breeze: 7-10 mph 3 4 Moderate breeze: 11-16 mph Acoustic Survey: Unit type\_ Unit# Date Start time Stop time\_ Stop time\_ Please Return to: Date Start time P.O. Box 73, Paint Lick, KY, 40461. Stop time\_ Date Start time Weatherproofing Coordinates (859) 925-9012 p. 2 Comments:

	W/N 82.944		Zone_		Observers	6. LI	2 4 J	7. E	Date_7	1	10
Datum: NAD 83 County Site Diagram:	Seneca State	e OH Qu					5,				
Sile Diagram:	Wheat field		ight Length	i,			Domir	ant Ve	getation		
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Mist Netting Data Form Site No. 9 Project No./Name 50/ / Enqueron West Volt Date 7/17/2016
Site Location 1000 ft Sway Worth Country 21 27 an expect United Wordlof w/ kry streamfeet

Country Street

Country Street

Country Street

State 01 Time Up 210/ Time Down 020/

Lat/Lon; UTM: 0/E 41.18329 (W) N 8294029 Zone Datum Observers I Heating Zone\_\_\_\_ Freq. Band# Height Wax Wane Moon Phase 96% G/H/B/T Time Species Repr. FA (mm) WDI Age Sex (m) (g) Type\_ EPFU 17.0 46.0 0 Rise Set 1 Wso 210 0614 2 Sun 1855 3 Moon 4 5 No. Bats Temp (F) Sky Wind 6 7 0 2100 8 77 2 2200 9 2 2300 2 10 0 0000 72 11 0100 0 12 13 14 15 16 Sky Code 17 Clear 0 18 Few Clouds 1 19 2 Partly Cloudy 20 3 Cloudy or overcast 21 4 Fog or smoke 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 24 25 **Beaufort Wind Scale** 26 Calm: <1 mph 0 1 Light air: 1-3 mph 28 Light breeze: 4-6 mph 2 29 Gentle breeze: 7-10 mph 3 Moderate breeze: 11-16 mph Acoustic Survey: Unit type Unit# Date Start time Stop time\_ Date Start time Stop time Please Return to: P.O. Box 73, Paint Lick, KY, 40461. Start time Stop time\_ Date Weatherproofing (859) 925-9012 Coordinates p. 2 Comments:

Time	Species	Age	Sex		Macc	FA (mm)		Height (m)	WDI		Band# Type	Freq.	July Add Jul				Vax)/ Wa
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3				1 1	0		/ 1			1			0205	68	0	2	0
		1	+	# 1				W									
		N	1	1/		V		1		1							
7		S			-		1			1							
					1 = 1									-	Sky Code		
1									1	-			0	Clear			
										2			1	Few Cloud			
3													2	Partly Clo	_		
1												-	3	Cloudy or			
										11 1/			4	Fog or sm			
													5	Drizzle or	_		
													6	Heavy rais	n - thunder	storm	
									_					Ross	fort Wind	Sealo	
				-									0			Scale	
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			-		-									-	-	h	
		+			-							-					
	-		-	-	-	-				-						_	
ealis (LAE (AU); My (SO); Nyc	reviations: Coryr 80); Lasiurus cine otis grisescens (M ticeius humeralis iations: Male: M	ereus (LA MYGR); M s (NYHU)	CI); Lasi Iyotis lei ; Perim	iurus sem bii (MYL yotis subi	iinolus (I E); Myot flavus (P	.ASE); Lasi is lucifugus ESU); Tada	ionycter s (MYLU arida bra	is noctivag J); Myotis s siliensis (T	ans (LAN eptentric ABR)	O); Myotis onalis (MYS	austroripariu	15	1 2 3 4 Please Rep.O. Box 7 (859) 925-	73, Paint	ze: 4-6 mp eze: 7-10 n breeze: 11-	16 mph 40461.	p. 1

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Datun	on; UTM: N/E 41.15329	W/N 82.94029	i	Zone_	01.01 , Em.	Observers_	Hawk	uns, M	1 G100	Date 11	HPY	ے
	n: County_Sen	uca State	OH Qua	1								
Site D	iagram:	v 171	Heig		i i			Domin	ant Veg	etation		
1	2 2 1 1 1	(Net/ Neta)	Net (m)	(m)	Dates	1.Acer	saccha	rum	4. ACL	r neg	undo	
/	$\times$ / / /	10/ to house	A 5	2 9	11/17/10/4/2016	2.Almi	s rub	ra	5. Robin	rea Bi	reques	Sia
1	1 7 / /	Waterhouse	B 7.8	9	11/17 10/4/2016	2.Almu 3.Prunu	5 serol	ina	6	- 1		
- 7	1 /	Ditch	C 5.2	6	1/14/1/1/2016							
/	Boltomland Nati	1000	D 5.	2 6	11/17/10/4 2016			Net S	Set by H	abitat		
/	Dollor La	1.	E 5.	1/0	11/17 3442016	Habitat	A	В	C	D	E	F
- 4	- ONUST WATER	101	F	2	1	River						
	//9.	B		2 -		Stream		1		/	/	
		11/1		3		Pond						
		13//	Site Photo	graphs		Corridor			/		0 - 1	
	Corn Field	1 /	Camera:_			Cave						
	Corn Fieren	1/	Photo Log	Uplot	ed to Google Unive	Mine						
		1		1	V	Forest						
		1//				Gap	1		-			
		1				Other	1					
		Net					~	/				
		A										-
2	Roost habitat: 1. Poor: No or f 2. Moderate: Snags with slough	ew snags >= 5" DBH with ning bark or other roost fea	sloughing b	ark or othe t 5-15 inch	er usable roost fea	tures (cracks		etc)				
1 2 L	3. Optimal: Snags with sloughin Water Resources: 1. Poor: bat 2. Moderate: Ephemeral or interopenings or canopy gaps allow 3. Optimal: Streams or ponds (i available.  Forest Structure: (if hardwood 1. Poor: Habitat even aged and 2. Moderate: some diversity in a may be present but rare. 3. Optimal: Mature forest. Divergaps that facilitate bat foraging. Land Cover: 1. Poor: Square ki 2. Marginal: Trees present in the 3. Optimal: Area is largely fore	drinking resources not promittent streams or ponde bats easy access to the resoncluding road ruts) presents are absent or nearly absenced by the stand. The research are age of trees in the stand. The research are classes of trees promitted by the form of small woodlots.	esent at the sed areas present ource. In that appear on the first of the first of the first output of the first output ou	ite. Int but too I is monoc Underst Inches pre 15 inch l	or cluttered to allow cluttered to allow cluttered to allow cluttered automory growth clutter sent. Understory comments. Valuet of the comment of the cluttered of the comment of the cluttered of the comment of the cluttered of the clut	eet of foreste many bats t throughout t natically qual red and restr clutter domin rying tree he trees presen on to adjacen	d areas.  o drink eache majority ifies as a 1 icts flying, nant but no eight and to the too too too too the to	y of the sun poor). foraging of ubiquitor reefalls allo ected to oth areas.	nmer. Flus. Trees	yways to greater t quent sm of trees.	resource than 15" h	ОВН
1 2 L	Water Resources: 1. Poor: bat 2. Moderate: Ephemeral or inter openings or canopy gaps allow 3. Optimal: Streams or ponds (i available.  Forest Structure: (if hardwood 1. Poor: Habitat even aged and 2. Moderate: some diversity in a may be present but rare. 3. Optimal: Mature forest. Dive gaps that facilitate bat foraging. Land Cover: 1. Poor: Square ki 2. Marginal: Trees present in th 3. Optimal: Area is largely fore	drinking resources not promittent streams or ponder bats easy access to the resonctuding road ruts) presents are absent or nearly absence of trees in the stand. The erse age classes of trees promitted in the stand of the form of small woodlots ested. Wooded stands are	esent at the sed areas present ource. In that appear on the first of the first of the first output of the first output ou	ite. Int but too I is monoc Underst Inches pre 15 inch l	or cluttered to allow cluttered to allow cluttered to allow cluttered automory growth clutter sent. Understory comments. Valuet of the comment of the cluttered of the comment of the cluttered of the comment of the cluttered of the clut	many bats throughout throughout the matically qualified and restrictutter dominarying tree here trees present to adjacent conded stream conded stream.	d areas.  o drink eache majorit  ifies as a 1  icts flying,  nant but no  eight and t  at not conn  t forested  n, fence ro	y of the sun poor). foraging of ubiquitor reefalls allo ected to oth areas.	nmer. Flus. Trees	yways to greater t quent sm of trees.	resource than 15" h	ОВН
1 2 1 6	Water Resources: 1. Poor: bat 2. Moderate: Ephemeral or inter openings or canopy gaps allow 3. Optimal: Streams or ponds (i available.  Forest Structure: (if hardwood 1. Poor: Habitat even aged and 2. Moderate: some diversity in a may be present but rare. 3. Optimal: Mature forest. Dive gaps that facilitate bat foraging. Land Cover: 1. Poor: Square ki 2. Marginal: Trees present in the	drinking resources not primittent streams or ponde bats easy access to the resoncluding road ruts) presents are absent or nearly abservoung. Trees smaller than age of trees in the stand. There is age classes of trees problem of small woodlots ested. Wooded stands are etween 4 & 12)	esent at the sed areas present ource. In that appear on the first of the first of the first output of the first output ou	ite. Int but too I is monoc Underst Inches pre 15 inch l	or cluttered to allow cluttered to allow cluttered to allow cluttered automory growth clutter sent. Understory comments. Valuet of the comment of the cluttered of the comment of the cluttered of the comment of the cluttered of the clut	eet of foreste many bats t throughout t natically qual red and restr clutter domin rying tree he trees presen on to adjacen	d areas.  o drink eache majority  ifies as a 1 icts flying,  nant but not  eight and to  the not connut forested  n, fence ro  rn to:	y of the sun poor). foraging of ubiquitor reefalls allo ected to oth areas. w, or other	us. Trees ow for fre her areas wooded	yways to greater t quent sm of trees.	resource than 15" h	DBH -

Mist Netting Data Form Project No./Name 501 1 Emerson West Site Location Woodlot West of OWNSHIP Rd 81 County Serveca State OH Time Up 202 Time Down 0202 W/N 82.90984 Lat/Lon; UTM: (N)E 41, 15516 Zone \_\_\_\_ Datum NAD83 Observers Height Band# Wax / Wane Time Species Sex Repr. FA (mm) Net WDI G/H/B/T Moon Phase Age (g) (m) Type\_ 2235 EPFU 4.0 Set Rise EPFL Sun 0013 2102 2340 EPFU 19.75 1 3,5 Moon 5 1000 45 DL Wind No. Bats Time Temp (F) 6 LABO 7 8 9 10 3 11 78 12 3 13 14 15 16 Sky Code 17 Clear 0 18 Few Clouds 1 19 2 Partly Cloudy 20 Cloudy or overcast 3 21 Fog or smoke 4 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 24 25 **Beaufort Wind Scale** 26 Calm: <1 mph 27 1 Light air: 1-3 mph 28 Light breeze: 4-6 mph 2 29 Gentle breeze: 7-10 mph 3 Moderate breeze: 11-16 mph Acoustic Survey: Unit type Unit # Date Start time Stop time\_ Stop time Please Return to: Date Start time\_ P.O. Box 73, Paint Lick, KY, 40461. Date Start time Stop time Weatherproofing (859) 925-9012 Coordinates Comments: p. 2

Mist Netting Data Form Project No./Name\_501 / Emerson Date 1150/42016 Site No. Site Location Woodlot West of township Rd 81. Time Up 2105 Time Down 0205 County Senoca State OH Datum\_NHO83 Observers T. W. W/N 82,90984 Lat/Lon; UTM: N/E 41. 15516 Zone — Freq. Height Band# Mass Moon Phase 5 % FA (mm) Net WDI G/H/B/T Wax / Wane Repr. Species Sex Time Age (m) (g) Type\_ Rise Set 4 2.0 3000 0120 H m 2025 Sun 2 210 0120 EPFU 5.0 Moon 3 4 5 Temp (F) Sky Wind No. Bats Time 6 2100 2200 8 108 9 2300 108 0000 10 11 0100 1010 0200 600 12 13 14 15 Sky Code 16 17 0 Clear Few Clouds 1 18 19 2 Partly Cloudy 3 Cloudy or overcast 20 21 4 Fog or smoke 5 22 Drizzle or light rain Heavy rain - thunder storm 23 24 Beaufort Wind Scale 25 26 0 Calm: <1 mph Light air: 1-3 mph 27 1 Light breeze: 4-6 mph 28 2 29 3 Gentle breeze: 7-10 mph 30 4 Moderate breeze: 11-16 mph Species Abbreviations; Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius P.O. Box 73, Paint Lick, KY, 40461. (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR) (859) 925-9012 Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR p. 1

	Net Site Habitat Sheet	Site No	10	Project No.		DU / W	nerson	TUC	101	200	Date	1016	ما الا
	n; UTM: N/E 41.155 16	W/N	82,900		Zone	: 10	Observers_	1. U.S.	tree!	y 2m	uth		-
Datum Site Di	agram:	eneca	State_		ht Lengtl		I		Domi	nant Ve	retation		
7	E Nox		=N	Net (m)		Dates	1. Fagus	avan				charte	PART
1	The last			A 7.5	1 /	7/11,7/16	2. Carry					moric	
-	No.	-35.4		B	2 (0	17/11/7/10	3. Acer s			6.			,
	00	1		C 5.7	- 0	17/11	III						
	N.	5		D 57	112	17/11			Net	Set by H	labitat		
1	· · · · · · · · · · · · · · · · · · ·		V-	E 50	2 12	7/1.7/16	Habitat	A	В	C	D	E	F
			" head	F 5	29	17/16	River				F .		
	~	hist.	11.				Stream				7 7 1	1 - 4	-
		à	There				Pond						7 - 7
				Site Photo	graphs		Corridor	X	X	×	×	X	
	- X	70	F1	Camera:_		hone	Cave						
	115	1	F/NetF	Photo Log			Mine						
	100	11	1	1st-C			Forest						
	Alexander and a second a second and a second a second and	11		Znd-I	)		Gap						
				Uth R			Other						
	E	Los	P.	544 V	>								
Indian	a Bat Habitat Characterizatio	n (Chassa	navonelato e	range for an	ah hahita	t above storietie	- I			1	1	1	
3	Roost habitat: 1. Poor: No or 2. Moderate: Snags with slough 3. Optimal: Snags with slough Water Resources: 1. Poor: ba 2. Moderate: Ephemeral or into openings or canopy gaps allow 3. Optimal: Streams or ponds available.  Forest Structure: (if hardwood 1. Poor: Habitat even aged and 2. Moderate: some diversity in may be present but rare. 3. Optimal: Mature forest. Direct gaps that facilitate bat foraging Land Cover: 1. Poor: Square 2. Marginal: Trees present in the source of the source o	thing bark or of ting bark or of ting bark or of tit drinking res- ermittent streat v bats easy acco (including roat ds are absent of young. Tree to age of trees in verse age class g. kilometer surr the form of sm	other roost feather roost feather roost feather roost feather roost feather roost feather rooms or ponderess to the reservence of the rooms of the stand. The sea of trees proposed for the stand of the	atures present ures present at the s d areas prese ource. In that appear of the present or if stand to	t 5-15 inch I >15 inch I ite. ent but too r to offer o is monoc . Underst inches pre > 15 inch tly un-fore fence row	DBH within 100 DBH within 1000 cluttered to allo drinking resource ulture, area auto ory growth clutt sent. Understory DBH frequent. V	of feet of forests feet of forested w many bats to e throughout the matically quali- ered and restri- y clutter domin 'arying tree he- ter trees presen- tion to adjacent	ed areas. I areas. I drink ease I e majority I es as a 1 I cts flying/ I ant but not I not conn I forested in	sily or sime y of the such that is poor). If for a ging to the tree falls allowed the or the tree falls allowed to other than the tree falls allowed the tree fa	mmer. Flous. Treesow for free	yways t s greater equent si	o resource than 15" mall open	DBH
7	3. Optimal: Area is largely for			connected to	ouler wo	oueu statius via			m, or onle	. wooded	COLLIGO	0	
-	Total Habitat Score (Should be						Please retur		557	.6		S	
Comme	ents: Secondary Fores	1 10 5	5 04 -	trails !	FUVOST	aa DS	P.O. Box 73,	Paint Lich	k, KY. 404	61	COF	PERI	EAD
		6.10		1.5	0.50	100/2	859-925-901	2			ENVIOR	MMERTALLE	**************************************

reactation vaicates that it holds water at some time in the year.

Mist Netting Data Form Site No. 1 Project No./Name 501 / Emerson West
Site Location Woodlot NoF Huy 224 + West of cooper Rd Date 10501 County Seneca State OH 0H 82,97 935 Time Down Datum NAD83 Observers T. Wetle Lat/Lon, UTM: (N) E 41.08601 Zone — Freq. Band# Height Mass G/H/B/T Moon Phase 1 % Wax / Wane Species WDI Time Age Sex Repr. FA (mm) Net (g) (m) TypeDDN Rise Set 50 2355 EPF 11 400 Sun 10010 0702 DITTIMYSE Moon 5 No. Bats Wind Temp (F) Sky 6 0 7 0 2100 8 2200 0 9 10 10 11 01150 10 12 OLD 13 14 15 Sky Code 16 17 Clear 0 Few Clouds 18 19 2 Partly Cloudy 20 3 Cloudy or overcast 21 4 Fog or smoke 22 Drizzle or light rain 23 Heavy rain - thunder storm 24 **Beaufort Wind Scale** 25 26 Calm: <1 mph 0 27 1 Light air: 1-3 mph 28 Light breeze: 4-6 mph 2 29 3 Gentle breeze: 7-10 mph Moderate breeze: 11-16 mph Acoustic Survey: Unit type\_\_\_ Unit# Stop time\_ Date Start time Stop time\_ Please Return to: Date Start time P.O. Box 73, Paint Lick, KY, 40461. Start time Stop time\_ Date Weatherproofing (859) 925-9012 Coordinates Comments: p. 2

\* Did not transmitter due to low weight and newly volant juvenile

Sheet Mist Netting Data Form 24 + West of Cooper Rd. Date 1250142016 Project No./Name 501 Site No. Site Location Woodlot north of HWY Time Up 2/05 Time Down 0705 County Seneca State OH 82.97935 Zone — Datum NAD83 Observers T.I. Lat/Lon; UTM: (N) E\_ 41. 68601 Freq. Band# Mass Height Wax) / Wane FA (mm) Net WDI G/H/B/T Moon Phase Time Species Age Sex Repr. (m) Type\_ (g) Rise Set Sun 01009 2105 2 Moon CIOO 3 4 5 Time Temp (F) Sky Wind No. Bats 6 2100 7 8 9 10 11 12 13 14 15 Sky Code 16 0 Clear 17 1 Few Clouds 18 Partly Cloudy 2 19 3 Cloudy or overcast 20 4 Fog or smoke 21 5 Drizzle or light rain 22 6 Heavy rain - thunder storm 23 24 **Beaufort Wind Scale** 25 0 Calm: <1 mph 26 1 Light air: 1-3 mph 27 2 Light breeze: 4-6 mph 28 3 Gentle breeze: 7-10 mph 29 4 Moderate breeze: 11-16 mph 30 Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis P.O. Box 73, Paint Lick, KY, 40461. (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR) (859) 925-9012 Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR p. 1

Mist Net Site Habitat Sheet Site No.	Project	No./N	Jame 5	501, E	merson	N-W	lest		Date_	250	116
(Lat/Lon; UTM: N/E 41.08601 W/N 82,9793			Zone		Observers	T.W.	treli	DISV	nith	1	
Datum: NHD83 County Serve ca State	OH O	uad	Atti	ca							
Site Diagram:			Length					nant Veg			
THE THE PARTY OF T	Net	(m)	(m)	Dates	1. Acer			4. Jug	lars	Wage	0
1 John W	A	5,2	12	7/12	2. Cary				ta a	ner 19c	ana
1 stream	В -	1.8	6	7/12	3. U\W	WS aw	erlan	96			
Www.t		512	9	7/12,7/20			Mat	Cat bas II	.Liter		
THE P	D t	2.6	9	7/12,7/20	Habitat	A	B	Set by H	D	E	F
THUES ILX	F	12	17	7/12-7/20		A	D	-	D	J.	Г
Woodlot Woodlot	P	1.8	0	7120	River Stream				×		
FINE C	-				Pond				^		
*	Site Ph	notogra	aphs	1	Corridor	×	×	×		1 13	
				love	Cave						
	Photo	Log:	5-1	let C	Mine					0-0	
XNet E		- 1b			Forest					V	
	34	a- No	28		Gap					X	
1 river	E+4	- M	PH		Other		-				
ag seeds torocky road	Sir	-1	1895								
											L
Indiana Bat Habitat Characterization (Choose appropriate  Roost habitat: 1. Poor: No or few snags >= 5" DBH with	score roi	eacn	nabita	t characteristic)	turne (annalus	mandage 1	to l				
2. Moderate: Snags with sloughing bark or other roost fe	atures pre	sent 5-	15 inch	DBH within 1000	tures (cracks,	ed areas.	etc)				
3. Optimal: Snags with sloughing bark or other roost feat	tures pres	ent >15	inch D	BH within 1000 f	eet of forester	d areas.					
Water Resources: 1. Poor: bat drinking resources not pr	resent at t	he site.									
2. Moderate: Ephemeral or intermittent streams or ponder	ed areas p	resent	but too	cluttered to allow	many bats to	drink eas	sily or sim	ultaneous	ly. No co	orridors,	
openings or canopy gaps allow bats easy access to the res	source.		- CC J	alla I dia se e e e e e e e e e e e e	the such suit th		. of the our	mmar Ele	nuana ta	*05011#60	C 2#0
<ol> <li>Optimal: Streams or ponds (including road ruts) prese available.</li> </ol>	nt mat ap	pear to	oner d	rinking resource	throughout ti	ie majority	or the su	illiler. riy	waysto	resource	sale
Forest Structure: (if hardwoods are absent or nearly abs	ent or if st	tand is	monocu	ılture. area auton	natically qual	ifies as a 1	poor).				
<ol> <li>Poor: Habitat even aged and young. Trees smaller that</li> </ol>	n 5 inch D	BH. U	Indersto	ory growth clutter	red and restri	cts flying/	foraging				
<ol><li>Moderate: some diversity in age of trees in the stand.</li></ol>	Trees 5 to	15 incl	nes pres	ent. Understory	clutter domin	ant but no	t ubiquito	us. Trees	greater t	han 15" l	OBH
may be present but rare.  3. Optimal: Mature forest. Diverse age classes of trees pr	secont To		E in all F	DIT Garage Va	mala e tave had	alit and to	anfalla alle	ver for fro	auont on	all anoni	nacand
gaps that facilitate bat foraging.	esent. 11	ees - 1	5 men L	obn frequent. Va	irynig tree ne	ignit and u	eerans and	W IOI HE	quent sin	an open	iigs aiiu
Land Cover: 1. Poor: Square kilometer surrounding site	predomi	nantly	un-fores	sted. Few mature	trees presen	t not conn	ected to ot	her areas	of trees.		
<ol><li>Marginal: Trees present in the form of small woodlots</li></ol>	and woo	ded fer	nce rows	s. Little connection	on to adjacen	forested a	areas.				
3. Optimal: Area is largely forested. Wooded stands are	connecte	d to oth	her woo	ded stands via w	ooded stream	, fence ro	w, or other	wooded	corridor.		
Total Habitat Score (Should be between 4 & 12)					Please retur	n to:			4	2	1
Comments:					P.O. Box 73,		KY 404	51		U	4
2227					859-925-901		,		COP	PERH	EAD

#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	-	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	rs C.O		ENVI	(M)	/ax / Wan
1	72:20	EPFU	7	M	5	14	46	D	1	0			-			Rise	1.	Set
2	27:20		FL	Eap		NE	1	C	20					Sun			PAM	21:061
3	2340	FPFU	15	M	NIZ		47	E	1.5	0	-	-	_	Moon		13:3	IPM	12:47
_	_	EPFU	5	W	NR	13.5	44	4	6.5	0	-	_	-					
5	0150	EPFU	13	M		15,25		C	6.5	0	-	-	-	Time	Temp (F)	Sky	Wind	No. Bats
5	0.70	214	1		100	13.27	1							Time	remp (r)	Sky	Willia	
7						7	= 110					12		21:06	79	1	0	0
3				-					1000					22:06	77	0	0	2
)											7 10			23:06	75	0	0	
0														00:06	75	0	0	0
1									1					01:06	74	0	0	1
2	1 - 3				77							3		02:06	73	0	Ô	-
3			g u T															
4									N TO S									
5																		
6					1 1											Sky Code	2	
7	4													0	Clear			
8														1	Few Clou	ds		
9	1									1				2	Partly Clo	oudy		
0														3	Cloudy o	r overcast		
1														4	Fog or sn	ioke		
2														5	Drizzle o			
3							12							6	Heavy ra	in - thund	er storm	
4																		
5																ufort Win	d Scale	
6										-				0	Calm: <1			
7														1	Light air:			
8														2		eze: 4-6 m		
9														3		eeze: 7-10	_	
0							1							4	Moderate	breeze: 1	1-16 mph	

Mist Netting Data Form Emerson West Date 17-July - 2016 Site No. 12 Project No./Name 50 / Site Location Small wood of off of CR38 Time Up 2102 Time Down 6202

83.03641 Zone Datum Nac 83 Observers RS 10500 County Geneca State Off
Lat/Lon; UTM: N/E 41.16958 W/N S Band# Freq. Mass Height Species Moon Phase 94 % Time WDI G/H/B/T Age Sex Repr. FA (mm) Net Wax ) Wane (m) Type\_ 1 Rise Set 2 Sun 0614 2102 3 Moon 1904 0417 4 5 Time Temp (F) Sky Wind No. Bats 6 7 78 2102 8 77 2202 0 9 2302 10 2000 11 2102 77 3 0 12 0202 13 14 15 16 Sky Code 17 0 Clear 18 1 Few Clouds 19 2 Partly Cloudy 20 3 Cloudy or overcast 21 4 Fog or smoke 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 24 25 Beaufort Wind Scale 26 Calm: <1 mph 27 Light air: 1-3 mph 28 Light breeze: 4-6 mph 29 Gentle breeze: 7-10 mph Moderate breeze: 11-16 mph Acoustic Survey: Unit type\_ Unit# Date Start time Stop time Date Stop time\_ Start time Please Return to: Stop time Date Start time P.O. Box 73, Paint Lick, KY, 40461. Weatherproofing Coordinates (859) 925-9012 Comments: p. 2

Datum: NAD83 County Sealer State OH Quad W			Observers_(	. Juco.	DI 10	Stingo	1		
1 20 100 1	latson								
inc Diagram.	ength				Domin	ant Veg	etation		
Net (m)	(m)	Dates	1. 0. vira	injant		4.6.6		na	
A 5.2	9	7-11	2. C. ovat			5.		2	
B 5.7	6	7-11:7-17	3. A. savel			6.			
C 7.0	6	7-11 7-17							
	6	2-11 7-17			Net S	et by Ha	bitat		
1 10	u	2-11 7-17	Habitat	A	В	C	D	E	F
De Not A	-	7 31 7	River				17		
( D) 00 13 1			Stream						
nets 7			Pond						
Site Photograp	phs		Corridor			V	V		
1	2.3		Cave			5-		= 1	
LA K NCTU			Mine					- 1	11
neic Photo Log:_			Forest						
net w			Gap						
1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			Other					1 7	
Cc 38									
								700	
Roost habitat: 1. Poor: No or few snags >= 5" DBH with sloughing bark or other roost features present 5-1"					etc)				
<ol> <li>Moderate: Snags with sloughing bark or other roost features present 5-15</li> <li>Optimal: Snags with sloughing bark or other roost features present &gt;15 i</li> <li>Water Resources: 1. Poor: bat drinking resources not present at the site.</li> <li>Moderate: Ephemeral or intermittent streams or ponded areas present by openings or canopy gaps allow bats easy access to the resource.</li> <li>Optimal: Streams or ponds (including road ruts) present that appear to of available.</li> <li>Forest Structure: (if hardwoods are absent or nearly absent or if stand is mean 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Ungen 2. Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare.</li> <li>Optimal: Mature forest. Diverse age classes of trees present. Trees &gt; 15</li> </ol>	5 inch D inch DBl ut too cli offer drin nonocult nderstory es preser	BH within 1000 for all wit	feet of foresteet of foresteet of foresteet of foresteet many bats to hroughout the atically qualitied and restrictlutter domin	ed areas. I areas. I drink eas ne majority fies as a 1: cts flying/ ant but no	of the sun poor). foraging t ubiquitor	nmer. Fly us. Trees	rways to	resources han 15″ I	ВН
2. Moderate: Snags with sloughing bark or other roost features present 5-15 3. Optimal: Snags with sloughing bark or other roost features present >15 i Water Resources: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present by openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to of available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is more 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Unce 2. Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 is gaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilometer surrounding site predominantly unce 2. Marginal: Trees present in the form of small woodlots and wooded fence 3. Optimal: Area is largely forested. Wooded stands are connected to other	5 inch D inch DBI ut too cli offer drii nonocult iderstory es preser inch DB in-foreste ee rows.	BH within 1000 fe H within 1000 fe uttered to allow nking resource to ure, area autom growth clutter at. Understory of H frequent. Var- ed. Few mature Little connection	feet of foresteet	ed areas. I areas. I drink eas ne majority fies as a 1: cts flying/ ant but no ight and tra t not conne	ily or simu of the sun poor). foraging t ubiquitor eefalls allo ected to oth treas.	nmer. Fly us. Trees w for free ner areas	greater t quent sm	resources han 15" I all openii	ВН
2. Moderate: Snags with sloughing bark or other roost features present 5-15 3. Optimal: Snags with sloughing bark or other roost features present >15 i Water Resources: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present by openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to of available.  Forest Structure: (if hardwoods are absent or nearly absent or if stand is moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site predominantly up 2. Marginal: Trees present in the form of small woodlots and wooded fence.	5 inch D inch DBI ut too cli offer drii nonocult iderstory es preser inch DB in-foreste ee rows.	BH within 1000 fe H within 1000 fe uttered to allow nking resource to ure, area autom growth clutter at. Understory of H frequent. Var- ed. Few mature Little connection	feet of foresteet of foresteet of foresteet of foresteet on the foresteet of forest	ed areas. I areas. I drink eas the majority fies as a 1: cts flying/ ant but no tight and tra t not connect forested a t, fence rov n to:	of the sun poor). foraging t ubiquitor eefalls allo ected to other w, or other	nmer. Fly us. Trees w for free ner areas o	greater t quent sm	resources han 15" I all openii	ВН

#	Time	Species	Age	Sex	Repr.		FA (mm)		Height (m)	WDI	G/H/B/T	Band# Type	Freq.	rs J Adam HPrice Moon Phase	75 %		(W	Vax Was
1	2233	EPFU	A	M	NR		43.0	B	2.0	0	_		-			Rise		Set
2		EPFU	A	F	PL	19.5		C	1.0	Õ	_		-	Sun		OCEIL		2103
3	2335		J	M	NR	8.5		A	2.5	0	_		-	Moon		1714		0254
4	00.05	LACI	J	F	NR	19.5	55.0	B	4.0	0	_		-					
5		LABO	J	M	NR	8.75		A	3.5	Ō		-	-	Time	Temp (F)	Sky	Wind	No. Ba
7														2103	73	1	1	0
_			+		1					4			-	2203	70	1	Ò	2
9	-			-		-	-							2303	68	2	1	T
0					-									0003	56	-	1	2
1			1											0103		2	1	0
2			+		-	-8			-	7.7				0203		7	1	0
3			1		-	-			-					0203	(90	~		-
4			1												-			
5				-														
6																Sky Code		
7				-	-									0	Clear			
8														1	Few Cloud	ds		
9														2	Partly Clo	udy		
0.0		100												3	Cloudy or	overcast	-	
1														4	Fog or sm	oke		
2					131								1 3 4	5	Drizzle or	light rain		
3		-12		- 1	40.0									6	Heavy rai	n - thunde	er storm	
4			~			- 0												
5	-	1													Beau	afort Wine	d Scale	
6	-													0	Calm: <1			
7	40								-1		-		1	1	Light air:			
8	3								1					2	Light bree			
9	1				==1									3	Gentle bre	eze: 7-10	mph	
0	*					-3								4	Moderate	breeze: 11	-16 mph	-

ite N	10.13	Noodle	Project	No./N	lame 5	501	/ Ex	ners	on V	Jest			Date_	rs J Adan	2016		-	
te L	ocation_\	Noodle	- 00	wh	ot	E TO	wns	11D	Kd 12	2	000	4		U			(2)	3
oun	ty Je	1: NYE41.1	201.0	State_	OH	90	Time Up	3/10	ITin	ne Down	020	1000	120	111-	. 15	7.	U	7.
at/L	on; UTN	1: NYE 41 . 1	5201	_	(W)/ N_	-07	.0515	0	Zone		Datum 1	VAL XS	Observe	rs J Haan	$n\Delta$ , $17$	rock.	PPEF	RHEA
	r 1		1			1										1841	PONMINTAL	CONSESS
#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phas	<b>99</b> %		(V	Vax)/ Wa
1	2200	EPFU	A	F	L	16.25	47.0	C	0.5	0	-	_	-			Rise		Set
2	2200	EPFU	J	F	NR	12.75	47.0	B	4.0	0	-	_	-	Sun		0/01	3	210
3	2250	EPFU	A	F	NR	19.50		A	1.0	0	-	_	_	Moon		1902	2	041
4	2325	EPFU	A	F	PL	18.00	46.0	A	3.0	0	-	_	-					
5	2345	EPFU	A	F	L	19.00	45.0	B	4.0	0	-	_	-	Time	T (T)	Class	1475 1	NO. TO .
6	0005	EPFU	J	M	NR	10.75	45.0	B	2.5	0	-	_	-	Time	Temp (F)	Sky	Wind	No. Bat
7	0030	EPFU	IA	M	TD	17.50	45.0	B	1.5	0	-	-	-	2101	75	- 1	0	0
8	0030	EPFU	A	F	PL	20.00	46.0	A	2.5	0	_	_	1	2201	72	0	0	3
9	0030		J	M	NR		47.0	B	0.5	0	1		-	2301	73	2	1	2
10	0110	EPFU	A	F	PL	18.75	48.0	A	2.5	0	-	-	_	0001	72	0	1	4
11					- 1	1 1						1		0101	72		1	1
12														0201	72	2	2	_
13				11.71											-			
14					T-						- 1							
15												15						
16															- 4	Sky Code		
17	-													0	Clear			
18														1	Few Cloud	ls		
19													J	2	Partly Clo	udy		
20									2		-			3	Cloudy or	overcast	- 1	
21									-				5 - 21	4	Fog or smo	oke		
22							-		=1				1	5	Drizzle or	light rain		
23			1			1	-		-					6	Heavy rain	- thunde	r storm	
24		1 2000											-					
25	200			-					1				1 1			fort Wind	Scale	
26	+						-		2 7		-			0	Calm: <1 n	nph		
27		a c			r = 1	- 1			1 3	- 4	2101			1	Light air: 1	-3 mph		
28	h.				3,360		h		5 5		( A 34)			2	Light breez			
29			-											3	Gentle bree			
30													5	4	Moderate l	reeze: 11-	-16 mph	
cou	stic Sur	vey: Unit typ	e		Unit #		Date		Start tin			Stop time_		Total Control				
							Date		Start tin			Stop time_		Please Re				
							Date		Start tin	ne		Stop time_		P.O. Box 7		ick, KY	, 40461.	
Veat	herproo	fing					Coordin	ates_					_	(859) 925-	9012			
am	ments:												- 1					p. 2

Mist Net Site Habitat Sheet Site No. 13	Pro	ject No./I	Name_5	01 / Em	ersor	1 Wa	ust			5 Jul	y 20
Lat/Lon; UTM: NYE 41.13262 W/N-32.	83958		Zone_	0 1	Observers_	IAdar	us, A	Haw	ans	, HPri	ce
Site Diagram:	State OH		Length	Rock	ır		Domi	nant Ve	rotation		
Ag Field	Ne		(m)	Dates	1.Quercu	000		4	getation		_
	A	5.2	9.0	15 July 201	2. Carya		سارس	5			
NITE NATA	B	72	10.0	150 20,201	3. Querc	WE PL	ibra	6.			
NUTA NUTA	C	5.2	10.0	15 July 2016							
1.5	D	2.10	6.0	15 July 2014			Net	Set by I	labitat		
Nak	E	5.2	9.0	15 helle 2016	Habitat	A	В	C	D	E	F
1412-	F			0	River				11 11		
·NAFD					Stream						
2 Lillan land					Pond						
Neto Bottomland Forest	Site	Photogr	raphs		Corridor	/	V	1	/	11 - 1	
torest	Car	nera:			Cave				1		
	Pho	oto Log:_			Mine						
					Forest					1	
	_				Gap					~	
	Δ -			-	Other					11.	
	\$ -										
2. Moderate: Snags with sloughing bark or other roo 3. Optimal: Snags with sloughing bark or other roo Water Resources: 1. Poor: bat drinking resources: 2. Moderate: Ephemeral or intermittent streams or popenings or canopy gaps allow bats easy access to to 3. Optimal: Streams or ponds (including road ruts) available.  Forest Structure: (if hardwoods are absent or nearl 1. Poor: Habitat even aged and young. Trees smalle 2. Moderate: some diversity in age of trees in the streamy be present but rare. 3. Optimal: Mature forest. Diverse age classes of tregaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding 2. Marginal: Trees present in the form of small woods.	st features p not present ponded area he resource present that by absent or er than 5 inc and. Trees the ees present.	oresent >1 at the site as present appear to if stand is h DBH. It to 15 inc Trees > 1 minantly	5 inch Dl but too co o offer dr monocu Understo hes prese 15 inch D un-fores	BH within 1000 for duttered to allow inking resource to lture, area autom ry growth clutter ent. Understory of BH frequent. Va- ted. Few mature	many bats to hroughout the atically qualed and restrictly clutter dominatively tree he trees present	d areas.  o drink eache majorit  ifies as a licts flying  nant but n  ight and t	ty of the su l: poor). /foraging ot ubiquite treefalls all	ous. Tree	lyways to s greater equent sr	resource than 15″ l	DBH
3. Optimal: Area is largely forested. Wooded stand  Total Habitat Score (Should be between 4 & 12)						n, fence ro		r wooded	corrido	(P)	
omments:					P.O. Box 73,		k. KY 404	61	-	2	3
2 1 2 2 2 2						- week Ditt					- No. 10

Mist Netting Data Form Project No./Name 50 | 0 Date 18 July Site No. 14 Site Location 10 9920 WOOD! edibining comfield County Senecal State OH Time Up 2 0 0 Time Down 0201 Datum NAD 83 Observers 6. Janos W. Lat/Lon; UTM: N/E 41.13567 96475 Zone Height Mass Band# Moon Phase 00% Wax / Wane Species FA (mm) WDI G/H/B/T Time Sex Repr. Net (m) Type\_ Set APO 5 Rise 1 21501 2 2205 LABO A 1.0 0 \_ Sun 36014 1953 050 3 EPFU A Moon 2205 1.0 4.0 4 2215 5 \_ Wind No. Bats Temp (F) Sky Time 6 8 2200 2 0 0 2300 1430 3.0 330 EPFU 0 10 0 0000 0 1.0 2 0 0 4.0 0100 11 2330 EPFU 0 0 0 0 12 45.0 4,0 0 2330 EPFU M NR 0200 LABO 38.5 2.5 13 0110 M 10.5 6 0-0 14 0125 LABO 41.0 15 Sky Code 16 Clear 17 0 Few Clouds 18 1 19 2 Partly Cloudy 3 Cloudy or overcast 20 21 4 Fog or smoke Drizzle or light rain 5 22 Heavy rain - thunder storm 23 24 **Beaufort Wind Scale** 25 Calm: <1 mph 26 0 27 Light air: 1-3 mph 1 Light breeze: 4-6 mph 28 2 29 3 Gentle breeze: 7-10 mph Moderate breeze: 11-16 mph 4 Acoustic Survey: Unit type\_ Stop time\_ Unit# Date Start time Please Return to: Date Start time\_ Stop time\_ P.O. Box 73, Paint Lick, KY, 40461. Stop time\_ Date Start time\_ Weatherproofing\_ (859) 925-9012 Coordinates p. 21 Comments:

	Sheet /	of	2
T			
	15	•	

Mist Netting Data Form West Date 20 July 2016 Project No./Name 501.0 Site No. 14 1 Emerson Site Location Logged woodlot adjoining Time Up 2100 Time Down 0200 State OH Zone \_\_\_ Datum NAD 83 Observers G. Janos, M. Gooden Lat/Lon; UTM: N/E 41.13567

2	2150		Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.
2		EPFU	A	M	5	15.50	46.0	E	2.0	0	-		-
	215	EPFU-	J	F	NR	13.50	44.0	A	3.0	OP	1	_	-
3	2215	EPFU	J	F	NR	14,50	48.0	A	3.0	0	44	1	-
4	2120	EPFU	A	F	PL	19.00	48.0	B	4.0	0		-	
5	2230	FPFU	A	F	PL	16.25	46.0	C	0,5	0	-	-	_
6	2230	LACI	J	M	NR	18.50	53.0	B	2.0	0	-	-	-
7	2235	EPFU	A	F	PL	19.75	46.0	B	3.0	0-8			-
8	2300	FPFU	A	F	PI	19.00	46.0	B	4,0	0	-	1	-
9	2300	FPFU	5	M	NR	13.25	47.0	B	2.0	0		-	-
10	2320	LABO	2	F	NR	9.50	40.0	(	3.5	0	-	~	-
11	2345	EPSU	2	M	NR	13.50	45.0	B	5.0	0	-	-	-
12	2395	LARO	J	F	NR	9.75	38.0	B	5.0	Ŏ	-	-	-
13	2345	LABO	J	M	NR	9.25	39.0	6	3.0	0	-	-	-
14	0015	LABO	A	F	PL	12.25	44.0	B	3.0	0	-0		_
15	02/5	LABO	A	F	L	141.25	41.0	B	2.5	0-8	-	_	-
16									1				
17													
18										7			
19													
20													-
21			-		_	-							
22													-
23			4	-									
24							-						
25		-											
26			-			-							
27			-			-						-	
28	-					-			-				
30								-		-			

Moon Phase //	00 %	Wax / Wane
	Rise	Set
Sun	0616	2100
Moon	2123	0703

Time	Temp (F)	Sky	Wind	No. Bats
2100	74	0	0	1
2200	71	0	0	6
2360	69	0	0	6
0000	69	0	0	1
0100	68	0	0	0
0200	67	0	0	0

	Sky Code	
0	Clear	
1	Few Clouds	
2	Partly Cloudy	
3	Cloudy or overcast	
4	Fog or smoke	
5	Drizzle or light rain	
6	Heavy rain - thunder storm	

	Beaufort Wind Scale	
0	Calm: <1 mph	
1	Light air: 1-3 mph	
2	Light breeze: 4-6 mph	- 50
3	Gentle breeze: 7-10 mph	
4	Moderate breeze: 11-16 mph	

Please Return to:

P.O. Box 73, Paint Lick, KY, 40461. (859) 925-9012

p. 12

Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR)

Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

\* Recopture of bot # 3 from 7/18 \*\* Reconture of bot # 14 from 7/30

	N - 82 . 96475	_	Zone_	-	Observers (	Jano	03 K	LKEPI	-	V	-	
Datum: NAD 83 County St NO	State 01+	Quad	1195	de			Dami	want Van	rotation			
Bite Diagram:	27.	Height		Dates	1. Quercus rubra 4. Ulmus Americana 2. Carya Ovata 5.							
	Net	9	(m)									
E Township Rd 122	A	5.2	6	7/18,7/20	3.Acer s		7.	6.				
2 TOWNSHIP TO THE	В	7.8	9	1/18 1/20	S.FCEI S	ACCUAIN	475					
	C	5.2	4	7/18.7/20	Net Set by Habitat							
Corn Field	E	5.2	9	7/18. 7/20	Habitat	A	В	TC	D	E	F	
	F	5.2	· ·	1/18.	River							
	17 7 2				Stream							
	7				Pond							
TB	Site	Photogr	aphs		Corridor	X		X	X	X		
1 / 114	Clour Can	nera: For	itilm		Cave							
	Pho	to Log:	338,3	41, 342,	Mine							
Logo	ged	345, 346			Forest							
1 1 1 1 1 1 1 1	Woodlot/				Gap			.6				
T V V I	1000101				Other		X					
(cleaning)	/ /-				Edge		, ,					
[ Clearing									1		12.	
2. Moderate: Snags with sloughing bars 3. Optimal: Snags with sloughing bars Water Resources: 1. Poor: bat drinking 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats ea 3. Optimal: Streams or ponds (including available. Forest Structure: (if hardwoods are al 1. Poor: Habitat even aged and young 2. Moderate: some diversity in age of may be present but rare. 3. Optimal: Mature forest. Diverse ag gaps that facilitate bat foraging.	k or other roost features ping resources not present a not streams or ponded area asy access to the resource. In groad ruts) present that beent or nearly absent or it. Trees smaller than 5 incitrees in the stand. Trees 5	resent >1 at the site s present appear t appear t f stand is h DBH. i to 15 inc	5 inch E  but too  o offer d  monoci	obth within 1000 cluttered to allo drinking resource ulture, area auto ory growth clutte sent. Understory	feet of foreste w many bats t throughout t matically qua ered and restr clutter domi	d areas. o drink ea he majorit lifies as a 1 icts flying nant but n	y of the su l: poor). /foraging ot ubiquit	ous. Tree	lyways to	resource	DBH	
2. Marginal: Trees present in the form 3. Optimal: Area is largely forested.	n of small woodlots and w Wooded stands are conne	rooded fe	ence row	s. Little connect	tion to adjacer wooded streat	nt forested n, fence ro	areas.					
Total Habitat Score (Should be between	n 4 & 12)				Please retu					5		
comments:					P.O. Box 73	P.O. Box 73, Paint Lick, KY. 40461				PERI	HEA	
					859-925-9012				PRETERMINATES CONSULTED			

Mist Netting Data Form Date 12 Jul Project No./Name GOL.OI / Emerson West Site No. | 5 Site Location Wood of North of E. Tounghip Rd. 130 OH Time Up 2105 Time Down 02 05 \_W/N -83.02054 Zone County Senecy State OH Datum NAD83 Observers J. Adams Lat/Lon; UTM: N/E\_41.15335 Freq. Band# Mass Height Moon Phase 50% Wax / Wane FA (mm) Net WDI G/H/B/T Time Species Age Sex Repr. Type\_ (g) (m) Set Rise 1 0609 105 2 Sun 0117 Moon 3 4 5 Sky Wind No. Bats Time Temp (F) 6 2 7 100 0 77 200 8 ZF 300 9 0 72 2 0000 10 27 0100 11 77 12 0200 13 14 15 Sky Code 16 0 Clear 17 Few Clouds 1 18 2 Partly Cloudy 19 Cloudy or overcast 3 20 Fog or smoke 4 21 5 Drizzle or light rain 22 Heavy rain - thunder storm 23 24 **Beaufort Wind Scale** 25 0 Calm: <1 mph 26 Light air: 1-3 mph 27 1 Light breeze: 4-6 mph 28 2 3 Gentle breeze: 7-10 mph 29 Moderate breeze: 11-16 mph 4 30 Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius P.O. Box 73, Paint Lick, KY, 40461. (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR) (859) 925-9012 p. 1 Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

Mist Netting Data Form Site No. 15 Project No./Name 50 | 1 Emerson West
Site Location Woodlot North of E Township Rd 130
County Sene Ca State OH Time Up 2101 Time Down 0201 OH Time Up 2101 Time Down 0201

(M/N - 83.02054 Zone Datum NAD83 Observers JAdams, HPrice PPE Lat/Lon; UTM: NYE 41.15335 Freq. Mass Height Band# Moon Phase Full% (Wax) / Wane Species FA (mm) Net G/H/B/T Time Sex Repr. WDI Age (g) (m) Type\_ 2205 F. PFU 18.25 47.0 3.5 Rise Set 2743 EPFU NR 13.50 45.0 2.0 0 06015 2101 Sun 3 2041 Moon 0603 4 5 Time Temp (F) Sky Wind No. Bats 6 7 2101 8 602 9 2301 600 10 0001 11 0101 10 12 59 0201 13 14 15 16 Sky Code 17 Clear 0 18 Few Clouds 1 19 Partly Cloudy 20 Cloudy or overcast 21 4 Fog or smoke 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 24 25 **Beaufort Wind Scale** 26 Calm: <1 mph 27 Light air: 1-3 mph 28 Light breeze: 4-6 mph 29 Gentle breeze: 7-10 mph 3 Moderate breeze: 11-16 mph Acoustic Survey: Unit type Unit# Date Stop time Start time Date Start time Stop time Please Return to: Date Start time Stop time\_ P.O. Box 73, Paint Lick, KY, 40461. Weatherproofing Coordinates (859) 925-9012 Comments: p. 2

Mist Net Site Habitat Sheet Site No	S Project No./	Name S	0101/ EV	weison We	57			Date [	2019 J.	116	
Lat/Lon; UTM: N/E 41. 5335 W/N	8302054	Zone		Observers	J. Aday	ns, A.	Haw				
Datum: NAD83 County Severy	State OH Quad	Watso	N	3707-54-	H. P.	Ce					
Site Diagram:		t Length		Dominant Vegetation							
$\lambda$	Nēt (m)								palytrys		
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Υ.	B 2.6	4	179 h Jul	3. (). and							
10	C 5.2	9	12419701								
Not.	D 52	6	12 19 Jul								
-A Net F	E 25	4	1230	Habitat	A	В	C	D	E	F	
Bour Wood	Net D F			River							
Dec. I	0		1.5	Stream		-		1			
C-e/0/ Lot	-		4	Pond				L			
901	Site Photog	graphs	01.	Corridor		X	X	1	1		
No.			Phore	Cave				1 ===		-	
	Photo Log:		_	Mine				ously. No corridors,			
Not B	Not B			Forest					117 51		
12.11.0				Gap			-		o corridors, to resources er than 15" D small openings.	-	
				Other	8			7.0			
				Edge	X						
3. Optimal: Snags with sloughing bark or oft Water Resources: 1. Poor: bat drinking reso 2. Moderate: Ephemeral or intermittent streat openings or canopy gaps allow bats easy acc 3. Optimal: Streams or ponds (including road available.  Forest Structure: (if hardwoods are absent of 1. Poor: Habitat even aged and young. Trees 2. Moderate: some diversity in age of trees in	ources not present at the sit ims or ponded areas present ess to the resource. d ruts) present that appear or nearly absent or if stand it is smaller than 5 inch DBH.	e. It but too to offer d is monocu Understo	cluttered to allo rinking resource ulture, area auto ory growth clutte	w many bats throughout matically qua ered and restr	to drink ea the majorit lifies as a 1 ricts flying	y of the sur l: poor). /foraging	mmer. Fl	lyways to	resource		
may be present but rare.  3. Optimal: Mature forest. Diverse age class gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surre.  2. Marginal: Trees present in the form of sm.  3. Optimal: Area is largely forested. Woode	es of trees present. Trees > ounding site predominantly all woodlots and wooded f d stands are connected to c	15 inch E y un-fores	OBH frequent. V sted. Few matur s. Little connect	arying tree here trees presention to adjacer	eight and t nt not conr nt forested	reefalls allo nected to ot areas.	ow for fre	equent sn	nall openi		
Total Habitat Score (Should be between 4 & 1	2)			Please retu	ırn to:			- 3	25		
omments:				P.O. Box 73	3, Paint Lic	k, KY. 4046	51		ب	2.	
				859-925-90	12			COP	PERH	n such	

Sheet Mist Netting Data Form Site No. 16 Project No./Name 501 / Emerson Vest Arex
Site Location Morrison Creek North of East Township Road 122
County Senece State OH Time Up 2103 Time Down 0203 Observers J. Hankins Lat/Lon; UTM: N/E 41,13923 W/N - 83, 04941 Freq. Band# Height Mass Moon Phase 77 % Wax // Wane WDI G/H/B/T FA (mm) Net Time Species Age Sex Repr. (g) (m) Type\_ Rise Set 2.5 FPFU 14.75 2230 43 0 M NR 2103 FPFU Sun 0612 2 19,5 0 A F 01 45 3.0 Moon 3 FPFU \_ ---3.0 Net 2230 Escane 44 0 4 0140 FPFU 18.0 10 5 Wind No. Bats Temp (F) Time 6 0 13 3 0 8 9 75 10 11 n 0 71 0 0103 12 13 14 15 Sky Code 16 Clear 0 17 1 Few Clouds 18 Partly Cloudy 2 19 3 Cloudy or overcast 20 4 Fog or smoke 21 5 Drizzle or light rain 22 Heavy rain - thunder storm 23 24 Beaufort Wind Scale 25 Calm: <1 mph 26 0 Light air: 1-3 mph 1 27 Light breeze: 4-6 mph 2 28 Gentle breeze: 7-10 mph 3 29 4 Moderate breeze: 11-16 mph 30 Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius P.O. Box 73, Paint Lick, KY, 40461. (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis (859) 925-9012 (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR) p. 1 Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

Mist Netting Data Form Site No. 16 Project No./Name 501 / Emerson Wish Ages
Site Location Marrison Cruck North 3 East Township RI-122
County Squee State Of Time Up 2000 Time Down 0200
Lat/Lon; UTM: NE 41, 13923 W/N 83, 0494/ Zone Datum Freq. Height Band# Moon Phase 99% Wax Wane Time Species FA (mm) Net WDI G/H/B/T Age Sex Repr. (g) (m) Type\_ 44 B 2335 EPFU M 5 2 0 Set 0615 2100 Sun 3 0504 Moon 1946 4 5 Temp (F) Sky Wind No. Bats 6 7 0 0 8 0 0 9 0 0 10 0000 0 0 11 12 0200 13 14 15 16 Sky Code 17 0 Clear 18 Few Clouds 1 19 2 Partly Cloudy 20 3 Cloudy or overcast 21 4 Fog or smoke 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 24 25 **Beaufort Wind Scale** 26 0 Calm: <1 mph 27 1 Light air: 1-3 mph 28 2 Light breeze: 4-6 mph 29 3 Gentle breeze: 7-10 mph 4 Moderate breeze: 11-16 mph Acoustic Survey: Unit type\_\_\_\_\_ Unit# Date Start time Stop time Date Stop time\_ Start time Please Return to: Start time\_ Date Stop time P.O. Box 73, Paint Lick, KY, 40461. Coordinates Weatherproofing\_ (859) 925-9012 Comments: p. 2

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	: N/E_ 41,	13923	)	$_{\rm W/N}$	-83	14540		Zone	_	Datum_		Observer	rs	IKIND	Co	PPER	HEAL
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7													0	Clear			
3													1	Few Cloud			
9						7 1						7.0	2	Partly Clo	_		
													3	Cloudy or			
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2													5	Drizzle or			
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Mist 1	Netting D	ata Form																
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24																		
25	7			Y											Beau	fort Wind	Scale	
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							Date		Start tin			Stop time		Please Re				
							Date		Start tin	ne		Stop time_			73, Paint L	ick, KY	40461.	200
Weat	herproof	ing					Coordin	ates_						(859) 925	-9012			
Com	nents:																9	p. 2

Site Diagram:    Net   Onid   Dates   Dominant Vegetation		e Habitat Sheet	Site No.	6 6/15		ct No./1	Name_5	101 / En	necson We	st Ape			Date 1	14-20	16
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ndiana Bat Habitat Characterization (Choose appropriate score for each habitat characteristic)  Roost habitat: 1. Poor: No or few snags >= 5" DBH with sloughing bark or other uosable roost features (cracks, crevices, etc)  No derate: Snags with sloughing bark or other roost features present 5-15 inch DBH within 1000 feet of forested areas.  Optimal: Snags with sloughing bark or other roost features present >15 inch DBH within 1000 feet of forested areas.  Water Resources: 1. Poor: bat drinking resources not present at the site.  Noderate: Ephemeral or intermittent streams or ponded areas present but too cluttered to allow many bats to drink easily or simultaneously. No corridors, openings or canopy gaps allow bats easy access to the resource.  Optimal: Streams or ponds (including road ruts) present that appear to offer drinking resource throughout the majority of the summer. Flyways to resources available.  Forest Structure: (if hardwoods are absent or nearly absent or if stand is monoculture, area automatically qualifies as a 1: poor).  Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Understory growth cluttered and restricts flying/foraging  Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches present. Understory clutter dominant but not ubiquitous. Trees greater than 15" In may be present but rare.  Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 inch DBH frequent. Varying tree height and treefalls allow for frequent small opening gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site predominantly un-forested. Few mature trees present not connected to other areas of trees.  Marginal: Trees present in the form of small woodlots and wooded fence rows. Little connection to adjacent forested areas.  Optimal: Area is largely forested. Wooded stands are connected to other wooded stream, fence row, or other wooded corridor.  Total Habitat Score (Should be between 4 & 12)	NYON	at to	1111		Phot	o Log:_	0 .		Mine				1		
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Indiana Bat Habitat Characterization (Choose appropriate score for each habitat characteristic)  Roost habitat: 1. Poor: No or few snags >= 5" DBH with sloughing bark or other usable roost features (cracks, crevices, etc)  Noderate: Snags with sloughing bark or other roost features present 5-15 inch DBH within 1000 feet of forested areas.  Notified: 1. Poor: Dat drinking resources not present at the site.  Moderate: Ephemeral or intermittent streams or ponded areas present but too cluttered to allow many bats to drink easily or simultaneously. No corridors, openings or canopy gaps allow bats easy access to the resource.  Optimal: Streams or ponds (including road ruts) present that appear to offer drinking resource throughout the majority of the summer. Flyways to resources available.  Forest Structure: (if hardwoods are absent or nearly absent or if stand is monoculture, area automatically qualifies as a 1: poor).  Noor: Habitat even aged and young. Trees smaller than 5 inch DBH. Understory growth cluttered and restricts flying/foraging.  Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches present. Understory clutter dominant but not ubiquitous. Trees greater than 15" I may be present but rare.  Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 inch DBH frequent. Varying tree height and treefalls allow for frequent small opening gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site predominantly un-forested. Few mature trees present not connected to other areas of trees.  Marginal: Trees present in the form of small woodlots and woodled fence rows. Little connection to adjacent forested areas.  Optimal: Area is largely forested. Wooded stands are connected to other wooded stream, fence row, or other wooded corridor.  Total Habitat Score (Should be between 4 & 12)  Please return to:  P.O. Box 73, Paint Lick, KY. 40461	111	711	19	1.11	-								111		
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available.  Forest Structure: (if hardwoods are absent or nearly absent or if stand is monoculture, area automatically qualifies as a 1: poor).  1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Understory growth cluttered and restricts flying/foraging  2. Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches present. Understory clutter dominant but not ubiquitous. Trees greater than 15" E may be present but rare.  3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 inch DBH frequent. Varying tree height and treefalls allow for frequent small opening gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site predominantly un-forested. Few mature trees present not connected to other areas of trees.  2. Marginal: Trees present in the form of small woodlots and wooded fence rows. Little connection to adjacent forested areas.  3. Optimal: Area is largely forested. Wooded stands are connected to other wooded strands via wooded stream, fence row, or other wooded corridor.  Total Habitat Score (Should be between 4 & 12)  Please return to:  P.O. Box 73, Paint Lick, KY. 40461	openir	igs or canopy gaps allo	w bats easy a	ccess to the rese	ource.										
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Total Habitat Score (Should be between 4 & 12)  Please return to: P.O. Box 73, Paint Lick, KY. 40461	2. Mar	ginal: Trees present in	the form of s	mall woodlots	and wo	ooded fe	nce row	s. Little connect	ion to adjacen	t forested	areas.				
Comments:  P.O. Box 73, Paint Lick, KY. 40461	3. Opt	mal: Area is largely fo	orested. Wood	led stands are	connec	ted to ot	her woo	ded stands via v	vooded strean	n, fence ro	w, or other	wooded	corridor		
Comments:  P.O. Box 73, Paint Lick, KY. 40461	9 Total Ha	abitat Score (Should be	e between 4 &	12)					Please retur	n to			4	0	
COPPERH											KY 404	51		2	
859-925-9012											9 111 101		COP	PERH	EAL

Site N	Vo	Data Form	Projec	t No./N	Name	501	IE	me	150	we	st		Date	18 July	16			
Coun Lat/I	ocation_ ty_Sen .on; UT!	eca M: 0/E //.	1193	State_	0 # _W/N_	82.	Time Up	203	Zone	me Dowr	CO 05 Datum_	VAD83	Observe	rs Gold	. Apr.	ch	PPER	RHEAL
#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	71.5	Height (m)	WDI	G/H/B/T	Band# Type <u>ÔD</u> ∥	Freq.	Moon Phase		98	(v	Vax) Wan
1	2130	EPFU	5	F	NR	10.25	44	C	2.0	0	_					Rise		Set
2	2130	EPFU	A	F	PL	16.25	45	0	30	0			-	Sun		061	4	2/12/
3	2230	EPFU	7	F	NR	120	46	R	100	0	~			Moon		10	53	0509
4	0030	EPFU	A	=	PL	21.75	1/2	D	1.0	0				L		17.		103-7
5 (	045	EPFU	A	F	1	21.5	47	7	3.0	0								
6	0215	MYSE	A	M	MB	7.0	35	1	5.0	0		23580	-267	Time	Temp (F)	Sky	Wind	No. Bats
7			P -		1410							2000		2100	77	2	1	
8												1		2200		1	0	2
9														2300		,	0	1
10					7									0000	22	1	0	0
11		1												0100	70	1,	8	2
12			-	-					-					0200	70	- (		-
13				8					-					0200				
14										-				3				
15								-										
16															11.73	Sky Code		
17				-		1								0	Clear			
18														1	Few Cloud	ls		-
19														2	Partly Clo			-,-
20								-						3	Cloudy or			
21									-	-				4	Fog or sme			
22														5	Drizzle or			
23				-										6	Heavy rais			
24	- 1					-									I reary rain	· crund	. otolii	
25				700				y							Beau	fort Win	d Scale	
26											-		-	0	Calm: <1 r	200	- 5 11.00	
27	-		7				-			-				1	Light air: 1			
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30			-											4	Moderate			
	tic Surv	ey: Unit type			Unit#		Date		Start tin	10		Stop time_		7	Moderate	DICCZC. II	-10 htph	
	ar can v	c). Omerype			Diut #	\	Date_		Start tin			Stop time_	_	Please Ret	turn to			
local.	ornes	ina					Date		Start tin			Stop time_		P.O. Box 7	73, Paint 1	Lick, KY	, 40461.	
	erproof	nig					Coordin	ates_						(859) 925-	9012			
omn	nents:																	p. 2

te Lo ount at/L	ocation_ y <u>Sena</u> on ; UTN	trails in	1934	State_	OH W/N	82.9	Time Up	205	Tin Zone	ne Dowr	Datum #	3 VA083	Observer	s Colei	ftwo	4 00	PPEF	HEAD
#	Time	Species	Age	Sex	Repr.	Mace	FA (mm)		Height (m)		G/H/B/T	Band# Type	Freq.	Moon Phase		60		Wane
1	2155	EPFU	Ad	m	are	1625	43	B	1.5	0						Rise		Set
	2230		ES	VA1	PEC	Ď		0	1.6					Sun	- 1	061	2	2103
	2250	EPFU	A	m		18.5	16	A	2.5		-		-	Moon		171		0254
4	A	T T	1			-		-			-		-					-
5														Time	Temp (F)	Sky	Wind	No. Bats
6														01.0	22	-	~	
7														2100	77	-,	0	_
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	18				-				-							-		
14 15					-					-	-		-		1			
16			1	-		-			-			-			- 19	Sky Code		
17			1		-									0	Clear			
18	-													1	Few Cloud	ls		
19							1							2	Partly Clor	udy		
20														3	Cloudy or	overcast		
21							12-		1 0					4	Fog or smo	oke		
22							11111							5	Drizzle or	light rain	- 1	
23							31- 3							6	Heavy rain	- thunde	r storm	
24							1			-								
25	0 = 5														Beau	fort Wind	l Scale	
26				100			3						1	0	Calm: <1 n			
27	1 1 2														Light air: 1			
28	H at The														Light breez			
29							2 (-3)						- E - O		Gentle bre			
30														4	Moderate l	breeze: 11	-16 mph	
bore (MY	alis (LAB	eviations: Coryn O); Lasiurus cine otis grisescens (M iceius humeralis	reus (LA YGR); M	CI); Lasi Iyotis lei	iurus sen bii (MYL	inolus (I E); Myot	ASE); Lasi is lucifugus	onycter (MYLU	is noctivag J); Myotis s	ans (LAN septentric	O); Myotis	austroripari	us	Please Ret P.O. Box 7 (859) 925-9	3, Paint I	ick, KY	, 40461.	1

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Mist Net Site Hal	oitat Sheet	Site No.	7	Projec	t No./N	Vame_	SOL, E	merson	we	John Comment		Date	145	ulyl
Lat/Lon; UTM: 4/E		WN 82	97476			Zone		Observers_	Cohe	Herica	4			-
Datum: NAP 83	County Sen	009	State_	OHO	Quad				A. H	Ishmo	re			
Site Diagram:			NA		-	Length	tuly		11. 11			etation		
	Corn Z	iold	101	Net	(m)	(m)	Dates	1. A. 540	chair	m	4. P.	serot	242	
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la m	3000 130	-		В	5.2	6	14 ,18	3. F. a.	and tole	9	6			
11 11	11			C.	5.2	9	14,18							
3     5	1 // =		1.1	D	1.2	6	14,18			Net S	et by H	abitat		
5 wou	reled of	10000	ea	E	5.2	6	14	Habitat	A	В	C	D	E	F
8	1/			F				River						
8 (	11			T I	1 7 7			Stream						
4 /	11	B	0		-			Pond						
4/	-	-9			hotogr	aphs		Corridor	X	X	X	X	5	
1	1	10	1	Came	_	1		Cave				-	1	
D	C	Total	H	Photo	Log:_	_		Mine					- 4	-
	2	Burn		-				Forest				X.	- 3	
1	1 1				-			Gap						
1 00	cell			-				Other						
	4			-										
3. Optimal: S Water Resort 2. Moderate: openings or of the second of the	Snags with slough frees: 1. Poor: bat Ephemeral or inte- canopy gaps allow streams or ponds ( ture: (if hardwood itat even aged and some diversity in ent but rare. Mature forest. Div ilitate bat foraging 1. Poor: Square k Trees present in the	ing bark or other drinking resour rmittent stream bats easy access including road r ls are absent or r young. Trees so age of trees in the erse age classes illometer surrout he form of small	roost feath rees not pre- s or ponder to the resc uts) presen- nearly absen- nearly absen- ne stand. To of trees pre- nding site p- woodlots	sent at dareas pource.  It that a so that or if so the contract of the contrac	the site. present to present to stand is DBH. Uo 15 incl irees > 1 inantly oded fer	5 inch D but too offer di monocu Jndersto hes pres 5 inch D un-fores	BH within 1000 cluttered to allow rinking resource alture, area autory growth cluttent. Understor, BH frequent. Voted. Few matures. Little connects.	ow many bats to e throughout the ematically quali- ered and restrict y clutter domin arying tree her re trees present tion to adjacent	d areas.  d drink eas  e majority  fies as a 1:  cts flying/ ant but no  ight and tre  not conne	poor). foraging t ubiquitou eefalls allo	nmer. Fly as. Trees w for free er areas	greater t quent sm	resource: than 15" I	ОВН
8	Score (Should be b											-	3	
	ocore (onoma be t	etween 4 & 12)						Please retur		***			S	
Comments:								P.O. Box 73,		KY. 4046	1	COP	PERH	EAD
								859-925-9012	2			19818039	MENTALLIN	SECTIONS

Mist Netting Data Form Date 17 July 18 Project No./Name\_50 Site No. Site Location Mets in open arear and dry stream bed in woodlot + edge OH Time Up 2050 Time Down 0005

M/N - 82.97333 Zone Datum 140 State\_O# County Senera Lat/Lon; UTM 18/E 41.134/6 Datum NAD 83 Observers C. Le Freq. Band# Height Mass Wax ) Wane FA (mm) WDI G/H/B/T Moon Phase Time Species Age Sex Repr. (m) Type\_ (g) Set Rise 2325 EPFU m 30 0 2101 Sun 2 0508 Moon 3 4 5 Sky Wind No. Bats Time Temp (F) 6 2 0 8 0 9 2700 2-3 10 0000 0 000 11 0200 12 13 14 15 Sky Code 16 Clear 17 0 Few Clouds 1 18 Partly Cloudy 2 19 Cloudy or overcast 20 Fog or smoke 4 21 Drizzle or light rain 5 22 Heavy rain - thunder storm 23 24 **Beaufort Wind Scale** 25 Calm: <1 mph 26 Light air: 1-3 mph 27 1 Light breeze: 4-6 mph 28 2 29 3 Gentle breeze: 7-10 mph Moderate breeze: 11-16 mph 30 4 Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius P.O. Box 73, Paint Lick, KY, 40461. (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR) (859) 925-9012 Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR p. 1

Mist Netting Data Form Date 21 5-4 16 Project No./Name 50/ / Emerson West Site No. 18 Site Location 5 Grand 1754 0 H Time Up <u>2050</u> Time Down <u>0 / 58</u> M/N 8 2 . 9 7 3 3 Zone Datum / Arc State OH County Spraca Datum NAD B3 Observers Coleffind Lat/Lon; UTM: NE 41.13 416 Freq. Mass Height Band# Time Species Age Sex Repr. FA (mm) Net WDI G/H/B/T % 100 Moon Phase Wax / Wane (g) (m) Type\_ 0 Rise Set 18.25 0618 2058 Sun EPFU 17.0 Moon 2240 99/2 EPFU 20.0 0115 Time Temp (F) Sky No. Bats 6 7 2100 77 8 73 2200 0 9 70 2300 2 2 10 70 0000 11 0100 70 2 0 12 72 0200 0 13 14 15 16 Sky Code 17 0 Clear 18 1 Few Clouds 19 2 Partly Cloudy 20 3 Cloudy or overcast 21 4 Fog or smoke 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 24 25 Beaufort Wind Scale 26 Calm: <1 mph 0 27 1 Light air: 1-3 mph 28 Light breeze: 4-6 mph 2 29 3 Gentle breeze: 7-10 mph 30 Moderate breeze: 11-16 mph Acoustic Survey: Unit type Unit# Date Start time Stop time Date Start time Stop time Please Return to: Date Stop time\_ Start time P.O. Box 73, Paint Lick, KY, 40461. Weatherproofing Coordinates (859) 925-9012 Comments: p. 2

Mist Net Site Habitat Sheet Site No. 18	Project No./Name	501 IE	merson	West			Date / 2	7 July	16
Lat/Lon; UTM: N/E 41.13416 W/N - 82.9733	Zon	ie	Observers_	Coket	Lfrid				
Datum: MAD B3 County Senera State	2 H Quad	1.0		A. As	homer	-			
Site Diagram:	Height Ler	igth 7-4			Domin	ant Veg	etation	1	
		n) Dates	1. ( . 0 )	19 toc		4			
(F) a	A 5.2 6	17,20	-	cherum		5			
	B 5.2 1	17,20	3.000	lushos		6			
Look	C 5.2 6						111.		
mente	D 5.2 9	17		A		et by H		E	F
1007	E 7.8 9	17	Habitat	A	В	C	D	E	r
1000	F 7.8 6	20	River						
Bear 1			Stream			X			
1 10	Site Photograph		Pond Corridor						
Net a	Camera:	5	Cave					-	
\$ 6	Photo Log:		Mine						
12	Thoto Log		Forest	CSCH				-	1
0			Gap	X	X				X
(E) goussy			Other	. (				-	
							1	X	
Boan Field	Ž.		Edge						
2. Moderate: Snags with sloughing bark or other roost feat 3. Optimal: Snags with sloughing bark or other roost feat Water Resources: 1. Poor: bat drinking resources not pr 2. Moderate: Ephemeral or intermittent streams or ponde openings or canopy gaps allow bats easy access to the res 3. Optimal: Streams or ponds (including road ruts) prese available. Forest Structure: (if hardwoods are absent or nearly abse 1. Poor: Habitat even aged and young. Trees smaller that 2. Moderate: some diversity in age of trees in the stand. may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees pr gaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilometer surrounding site	tures present >15 incresent at the site. Ed areas present but fource. Int that appear to offer or if stand is morn 5 inch DBH. Under Trees 5 to 15 inches present. Trees > 15 increses.	th DBH within 1000 too cluttered to allow er drinking resource moculture, area auto erstory growth clut present. Understor ch DBH frequent.	O feet of forested ow many bats to be throughout the comatically qual tered and restrictly clutter domin Varying tree he	d areas.  o drink easil  he majority  ifies as a 1: p  icts flying/forant but not  eight and tre	of the sun poor). oraging ubiquitou	nmer. Fly us, Trees	yways to greater t quent sm	resource	es are
2. Marginal: Trees present in the form of small woodlots     3. Optimal: Area is largely forested. Wooded stands are     Total Habitat Score (Should be between 4 & 12)				n, fence row		wooded	corridor.	2	
Comments:			P.O. Box 73	, Paint Lick,	KY. 4046	1			
			859-925-901				COP	PERF	EA

oun	ty Sine	19 Wood lot 5 c4 M: N/E 41.1		State 4	214		Time Up	2103	Tir		0203 Datum_		Observe	rs J. Ada	mj	-c.	0	)
#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phas	e 68 %	A M W C	1	Wax / Wa
1	2115	LABO	Ju	F	NR	27.8	41	(	3	0	-	-	-			Rise		Set
2	2158	EPFU	Ad	F	PL	1825	48	C	2	0	_	~		Sun		0610		2)03
3	2158	EPFU	JU	F	NR	12.5	48	1	5	0	-	-	-	Moon		1619		0218
	2158	LABO	_	M	1.3		_	D	4	Escap	ed Ne	-						-
	22/5	EPFU	Ad	F	PL	19.75	47	A	1.5	0		-	1	Time	Temp (F)	Sky	Wind	No. Ba
,	2215	EPFU	Ad	F	PL	16.25	95	C	3	0				Time	remp (r)	Зку	Willia	190. Da
	2215	EPFL	Ju	F	NR	18	4	C	9	0	-			2100	73	1	1	4
;	2215	EPFO	Ju	F	NR	13.5	45	C	4	0	-	-		2200	68	1	1	10
)	2215	EPFU	Ad	F	PL	1525	44	0	5.1	0	1	-	-	2300	68	ì	Î	9
0	2215	EPF4	AA	M	NR	14	44	C	3.5	0	1		-	0000	68			2
1	2230	EPF4	A	F	L	ISS	44	0	25	0	I	1	-	0100	66	1	1	
2	7240	FPF4	Ad	F	L	20.75	47	(	3	0	1	I	1	0200	66	1	1	
3	2040	EFFG	Ad	F	L	2025	98	2	3.5	0		Ï				· C		
1	2250	EPFU	Ad	F	NR	19.0	46	C	35	0		I	-					1
5	2310	EFFG	Ad	F	PL	17:25	46	0	3	0	1	1	4					
6	7310	EPFG	A4	F	L	8.5	46	C	q	A		ì			0	Sky Code	2	
7	2320	EPF4	Ju	M	NR	12.5	45	A	2	0	-	1	-	0 -	Clear			
3	2320	EPF4	Ju	M	NR	11.0	44	A	15	0	-			1	Few Cloud	ls		
)	2335	EPF4	Ad	F	PL	19	48	A	1	0	÷ .	1	-	2	Partly Clo	udy		
)	2335	EFFG	A	M	35	1725	44	A	3	0	~	-	1	3	Cloudy or	overcast		
	2340	EPFU	Ad	F	L	2035	47	(	3.5	D	~	-		4	Fog or sm			
2	2390	EPFL	Ad	F	L	2025	47	6	3.5	D	-	-	_	5	Drizzle or	light rain		
3	2355	EPF4	Ad	F	L	20.5	47	A	3.5	0	-	-	-	6	Heavy rais	n - thunde	er storm	
1	0045	EPF4	AN	M	5	17.5	45	C	5.5	0	-	-	-					
_	0055	EPFU	Ad	IN	NR	1925	48	9	1.5	0	~		7		Beau	fort Wine	d Scale	
)											- 1		17 7 7	0	Calm: <1 1			
				17.4					7				12 = 4	1 -	Light air:			
3					12.011	1200		2					1. 10	2	Light bree			
)					1111						= 1		11 00	3	Gentle bre			
					11.4			7	10		1			4	Moderate	breeze: 11	-16 mph	
ea (A	lis (LABO U); Myot	viations: Coryno )); Lasiurus ciner is grisescens (M ceius humeralis	reus (LAC YGR); My	T); Lasiu otis leib	irus semi	inolus (L. ); Myotis	ASE); Lasi s lucifugus	onycter (MYLU	is noctivaga J); Myotis s	ans (LAN eptentrio	O); Myotis	austroripari	us	Please Re P.O. Box (859) 925	73, Paint	Lick, KY	, 40461.	

Si Si C	ite Note Lo	o19 ocation y_S_J_v on;UTN	Woodlot Ca 1: NE 41.1	Project Soul	No./N h of State_(	Name 5 East OH W/N	-82.	Time Up	mer/210	Rd 12 D2 Tin Zone	ne Down	0202 Datum/	VAD&3	Date 1	e July: ers) Adan	2016 ns, H	Price	0	5
	#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phase	e 82%	INA	V	Vax War
	1	2140	LABO	J	F	NR	9.5	39.0	C	6.0	0	-	2	-			Rise		Set
	2	2143	EPFU	A	F	L	14.25	46.0	A	2.0	0	-			Sun		Ole 1	2	2102
	3	2155	LABC	A	M	NR	1175	40.0	D	4.0	0	-			Moon		1800		033
	4	2205	EPFY	IA	F	PL	135	44	A	1.5	0		-	-					
	5	2205	EPFY	JU	M	NR	11.5	91	C	3	0		-		The	T (T)	CI		100
	6	2205	EPFY	Ju	M	NR	10,25	415	(	6	0		-	-	Time	Temp (F)	Sky	Wind	No. Bat
	7	2222	EPFU	J	F	NR	11.50	44.0	C	3.0	0	-	144	_	2102	(04)	0	1	3
	8	2222	EPFU	A	F	L	17.25	49.0	C	5.0	0		_	_	1202	61	0	0	8
Ī	9	2245	EPFU	J	F	NR	12,00	45.0	A	2.0	0	-		_	7 302	59	0	0	3
1	10	2245	EPFU	A	F	PL	17.00	44.0	C	3.0	0	_		_	0007	59	0	ŏ	Õ
į.	11	2245	EPFU	J	F	WR	14.00	46.0	C	6.0	0	-		_	0102	59	2	Õ	Ĭ
ì	12	1300	EPFU	J	F	NR	13.50	45.0	C	5,5	0	-		-	02.02	59	0	0	
7	13	2308	EPFU	J	M	NR	16.00	44.0	C	7.8	0			_	0202	1			
	14	2325	EPFU	J	F		15.25		C	3.5	0	_							
1	15		LABO	A	F	1	11.00	34.0	0	2.5	0	_		1		_			
	16	7,00						, ,						1	( - =	- 3	Sky Code		
	17	8												-	0	Clear			
П	18														1	Few Cloud	S		
Ī	19									1	1 1				2	Partly Clou			
11	20										- 1				3	Cloudy or			
_	21						1000								4	Fog or smo			
_	22						0.00								5	Drizzle or			
_	23						6-7-1	1				-			6	Heavy rain		r storm	
_	24								_ =									- Storm	
_	25			4 31												Beau	fort Wind	Scale	
	26						10.00						-		0	Calm: <1 n			
	27					-					- 1				1	Light air: 1			
	28											-				Light breez		h	
	29	-			- 1											Gentle bree			
y.	30					1 - 5	2								4	Moderate b			
		stic Sur	vey: Unit typ	oe .		Unit #		Date		Start tin	ne		Stop time_		-	- iouciate t	secet. 11	10 mpn	
ì			7					Date		Start tin			Stop time_		Please Ret	urn to			
								Date		Start tin			Stop time_		P.O. Box 7		ick KV	40461	
V	Veat	herproo	fine					Coordin	ates				or mic_		(859) 925-9		ick, K1,	10101.	
															1 (000) 520-	.012			
-	omi	nents:																	p. 2

Datum:				Zone_	-	Observers_	V. Adas	2711112	wicks 17	, Price		
	County Server	State OH	Quad	Flat 1	Pock			'				
Site Diagram:			Height		12			Domi	nant Veg	getation		
A	A =	Net	(m)	(m)	Dates	1. Counte			4			
1	Ma	A	52	9	14-16 /1	2. Q. rub			_5			
N	11.0	В	2.6	6	14-1 Jal	3.Q PS)	45755		_6			
	- Ne+D	C	7.8	12	14-16 741							
	To	D	5.2	6	14-16 24			Net	Set by H	abitat		
	1	E	5.2	6	14-16 Jul	Habitat	A	В	C	D	E	F
		F				River				F		
			-			Stream				FL	F F =	
	11		-			Pond						
	Net C	Site	Photogr	aphs		Corridor	X	X	X	LE	X	
	Nes E		nera:			Cave						5
		Pho	to Log:_			Mine					10.00	
	1 200	1 -				Forest						
	Net B					Gap						
		į.				Other					1	
	-Net A					Edge				X		
	-IVet A					1018				1		
2. Mod	habitat: 1. Poor: No or few snags >= 5" erate: Snags with sloughing bark or oth	er roost features	present 5	or othe	DBH within 100	atures (cracks, 0 feet of forest	ed areas.	etc)				
3. Optin Water F 2. Mode opening 3. Optin availabl Forest S 1. Poor: 2. Mode may be	erate: Snags with sloughing bark or otheral: Snags with sloughing bark or otheral: Snags with sloughing bark or otheral: Theor: bat drinking resources: Theor: bat drinking resources: Ephemeral or intermittent stream gs or canopy gaps allow bats easy access mal: Streams or ponds (including road role.  Structure: (if hardwoods are absent or role: Habitat even aged and young. Trees so erate: some diversity in age of trees in the present but rare.	er roost features proost features proost features proces not present as or ponded areas to the resource. The present that the early absent or include than 5 include stand. Trees 5	present 5 resent >1 the site. s present appear to f stand is h DBH. U to 15 incl	or other -15 inch D but too offer de monocu Judersto hes pres	r usable roost fer DBH within 100 BH within 1000 cluttered to allow rinking resource alture, area autory growth clutteent. Understory	atures (cracks, 0 feet of forest feet of forested w many bats to throughout the matically quali- ered and restrict clutter domin	ed areas. I areas. O drink ea ne majorit Ifies as a 1 cts flying, ant but n	sily or sime y of the sur : poor). /foraging ot ubiquito	mmer. Fl	yways to	resource	s are
3. Optin Water F 2. Mode opening 3. Optin availabl Forest S 1. Poor: 2. Mode may be 3. Optin gaps the Land C 2. Marg	erate: Snags with sloughing bark or otheral: Ephemeral or intermittent stream gs or canopy gaps allow bats easy accessmal: Streams or ponds (including road role.  Structure: (if hardwoods are absent or role: Habitat even aged and young. Trees sterate; some diversity in age of trees in the male streams.)	er roost features pross features pross features pross features prosent as or ponded areas to the resource. The present that the feat present of the stand. Trees 5 of trees present.	present 5 resent >1: at the site. s present appear to f stand is h DBH. U to 15 inc Trees > 1 minantly cooded fee	or other 15 inch D but too offer de monocu Jindersto hes pres 5 inch D un-fores nce rows	r usable roost fer DBH within 100 BH within 1000 cluttered to allow rinking resource alture, area autor rry growth clutte ent. Understory BH frequent. Vi- sted. Few matur s. Little connection	atures (cracks, 0 feet of forested w many bats to throughout the matically qualified and restrict clutter dominisarying tree helps the trees presentation to adjacent	ed areas. I areas. I drink ea ne majorit Ifies as a 1 cts flying, ant but n ight and t	sily or simily of the sur expoor). /foraging ot ubiquito reefalls allo	mmer. Flous. Trees	yways to s greater equent sm of trees.	than 15"	s are
3. Optin Water F 2. Mode opening 3. Optin availabl Forest S 1. Poor: 2. Mode may be 3. Optin gaps the Land C 2. Marg 3. Optin	erate: Snags with sloughing bark or otheral: Ephemeral or intermittent stream gs or canopy gaps allow bats easy accessmal: Streams or ponds (including road role.  Structure: (if hardwoods are absent or role; Habitat even aged and young. Trees some diversity in age of trees in the present but rare.  mal: Mature forest. Diverse age classes at facilitate bat foraging.  over: 1. Poor: Square kilometer surrouginal: Trees present in the form of small.	er roost features pross features pross features pross features prosent as or ponded areas to the resource. The present that the feat present of the stand. Trees 5 of trees present.	present 5 resent >1: at the site. s present appear to f stand is h DBH. U to 15 inc Trees > 1 minantly cooded fee	or other 15 inch D but too offer de monocu Jindersto hes pres 5 inch D un-fores nce rows	r usable roost fer DBH within 100 BH within 1000 cluttered to allow rinking resource alture, area autor rry growth clutte ent. Understory BH frequent. Vi- sted. Few matur s. Little connection	atures (cracks, 0 feet of forested w many bats to throughout the matically qualified and restrict clutter dominisarying tree helps the trees presentation to adjacent	ed areas. I areas. I drink ea ne majorit Ifies as a 1 cts flying, ant but n ight and t i not conr forested n, fence ro	sily or simily of the sur expoor). /foraging ot ubiquito reefalls allo	mmer. Flous. Trees	yways to s greater equent sm of trees.	than 15"	s are
3. Optin Water F 2. Mode opening 3. Optin availabl Forest S 1. Poor: 2. Mode may be 3. Optin gaps tha Land C 2. Marg 3. Optin	erate: Snags with sloughing bark or otheral: Poor: bat drinking resources: 1. Poor: bat drinking resources: erate: Ephemeral or intermittent stream gs or canopy gaps allow bats easy access mal: Streams or ponds (including road role.  Structure: (if hardwoods are absent or role: Habitat even aged and young. Trees so erate: some diversity in age of trees in the present but rare.  mal: Mature forest. Diverse age classes at facilitate bat foraging.  over: 1. Poor: Square kilometer surrouginal: Trees present in the form of small mal: Area is largely forested. Wooded	er roost features pross features pross features pross features prosent as or ponded areas to the resource. The present that the feat present of the stand. Trees 5 of trees present.	present 5 resent >1: at the site. s present appear to f stand is h DBH. U to 15 inc Trees > 1 minantly cooded fee	or other 15 inch D but too offer de monocu Jindersto hes pres 5 inch D un-fores nce rows	r usable roost fer DBH within 100 BH within 1000 cluttered to allow rinking resource alture, area autor rry growth clutte ent. Understory BH frequent. Vi- sted. Few matur s. Little connection	atures (cracks, 0 feet of forest feet of forested w many bats to throughout the matically quality ared and restrict clutter dominarying tree her throughout the clutter dominarying tree throughout the clutter dominarying the clutter dominarying the clutter dominarying the clutter dominarying the clutter dominarying the clutter dominarying the clutter clu	ed areas. I areas. I areas. I drink ea The majorit Ifies as a 1 The fies as a 1 The fiel as a	sily or simily of the sur- expoor). /foraging of ubiquito reefalls allowed to other areas.	mmer. Flous. Trees ow for fre her areas	yways to s greater equent sm of trees.	than 15"	s are

Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phase	75 %			Vax / Wa
	A	M	MR	17,5	47	B	3.0	0	_		-			Rise		Set
	A	111	NR	18.25	51		1.5	0	-		/	Sun		6:11		21:0
EPFU	A	M	NR	18,5	49	E	1,5	D	-	-	_	Moon		17:1	5	07:5
	10.7										11 - 11					
												Time	Temp (F)	Sky	Wind	No. Ba
				-								71.03	75	2	0	0
															ī	1
															0	0
						-	7						/ /		1	0
															0	
				9										2	O	-
													-	1		2
									7							
			5						1					Sky Code		
												0	Clear			
	1											1	Few Clou	ds		
												2	Partly Clo	udy		
									0.		No. 11	3	Cloudy or	overcast		
			1								150	4	Fog or sm	oke		
		,		reco									Drizzle or	light rain		
-1-1				11111							2 3	6	Heavy rai	n - thunde	r storm	
1											12					
															1 Scale	
											-			•		
													-			
					1		3					3	Gentle bre	eze: 7-10 i	mph	
		EPFU A	EDFU A M	EDFU A M WE	EPFU A M MR 175 EPFU A M MR 175	EPFU A M MR 175 47 EDFU A M NK 18551	EPFU A M MIC 175 47 B EDFU A M NEW SS 51 B	EPFU A M MR 175 47 B 3.0 EPFU A M NR 175 47 B 3.0	EPFU A M MR 175 47 B 3.0 0 EPFU A M NR 175 47 B 3.0 0	EPFU A M MR 175 47 B 3.0 0 -	Species Age Sex Repr. (g) FA (mm) Net (m) WDI G/H/B/T Type  EPFU A M NR 175 47 B 3.0 0	Species   Age   Sex   Repr.   (g)   FA (mm)   Net   (m)   WDI   G/H/B/T   Type	Species Age Sex Repr. (g) FA (mm) Net (m) WDI G/H/B/T Type Moon Phase  EPFU A M NC 175 47 B 3.0 0 Sun  EOFU A M NC 18.5 49 E 1.5 0 Sun  Moon  Time  Z/:03  Z3:03  O0:03  O1:03  O1:03  O1:03  O1:03  O1:03  O1:03  O1:03  O1:03  O1:03  O1:03	Species   Age   Sex   Repr.   (g)   FA (mm)   Net   (m)   WD1   G/H/B/T   Type   Moon Phase   5 %	Species   Age   Sex   Repr.   (g)   FA (mm)   Net   (m)   WDI   G/H/B/T   Type   Moon Phase   5 %	Species   Age   Sex   Repr.   (g)   FA (mm)   Net   (m)   WD1   G/H/B/T   Type   Moon Phase /5 %   Rise

Site No. 20 Project No./ Name 501, Enersor West Site Location Woodlof west of Enersor West County State Of Time Up 2056 Time Down Lat/Lon; UTM: N/E 41, 10 68 W/N 82, 90856 7000 Mist Netting Data Form Time Up 2056 Time Down 0156 82,90856 Zone Datum Freq. Height Band# Mass Moon Phase 89 % FA (mm) Net WDI G/H/B/T Time Species Age Sex Repr. Wax / Wane (g) (m) Type\_ 1 Rise Set 2 0618 Sun 2234 3 Moon 4 5 Time Temp (F) Sky Wind No. Bats 6 7 2100 0 2 0 0 8 2200 0 0 9 78 2300 75 10 0000 0 11 0000 () 12 13 14 15 Sky Code 16 17 Clear 0 18 1 Few Clouds 19 2 Partly Cloudy 20 3 Cloudy or overcast 21 Fog or smoke 4 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 6 24 **Beaufort Wind Scale** 25 26 Calm: <1 mph 0 27 1 Light air: 1-3 mph 28 Light breeze: 4-6 mph 2 29 3 Gentle breeze: 7-10 mph Moderate breeze: 11-16 mph Acoustic Survey: Unit type\_\_\_\_ Stop time\_ Unit# Date Start time Date Start time Stop time\_ Please Return to: Stop time\_ P.O. Box 73, Paint Lick, KY, 40461. Date Start time Weatherproofing Coordinates (859) 925-9012 Comments: p. 2

Mist Net Site Habitat Sheet Site No. 20	Project No./N		01/E	merson	205	1		Date	115/2	014
Lat/Lon; UTM: N/E 41.10168 W/N 082,90		Zone_		Observers_	R. Stin					
Datum: NAOQ3 County Seneca State					C. Jac					
Site Diagram:	Height						ant Veg	etation		
Aa Sield	Net (m)	(m)	Dates		rum		4			
Max	A 5.2	9	7/5	2. U. ru			5			
10	B 7.0	6	7/15	3. 1.	bra		6			
	C 5.2	4	7/15	-		Not C	et by Ha	hitat		
X Organia Total	E - 7	6	7/15,22	Habitat	A	B	C	D	E	F
0,000	F 5.2	0	75	River	A	D		D		-
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16 186	H 5-2	9	7/22	Pond						-
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the Hatico				Gap				-		17
ec l				Other						G
12/									11	Velor
7										1
2. Moderate: Snags with sloughing bark or other roost feat 3. Optimal: Snags with sloughing bark or other roost feat Water Resources: 1. Poor: bat drinking resources not pre 2. Moderate: Ephemeral or intermittent streams or ponder openings or canopy gaps allow bats easy access to the reso 3. Optimal: Streams or ponds (including road ruts) preser available.  Forest Structure: (if hardwoods are absent or nearly abse 1. Poor: Habitat even aged and young. Trees smaller than 2. Moderate: some diversity in age of trees in the stand. To may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees presents.	eres present >1; esent at the site. d areas present ource. at that appear to nt or if stand is 5 inch DBH. Urees 5 to 15 inch	but too offer d monocu Indersto hes pres	BH within 1000 cluttered to allow rinking resource alture, area auto ory growth clut- ent. Understor	ow many bats to e throughout the comatically qualities tered and restrictly y clutter domin	d areas.  drink easi  e majority  fies as a 1: 1  cts flying/f  ant but not	of the sum poor). oraging ubiquitou	nmer. Fly	ways to	resource	es are
gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site  2. Marginal: Trees present in the form of small woodlots  3. Optimal: Area is largely forested. Wooded stands are	and wooded fer	nce row	s. Little connec	tion to adjacent	forested as	reas.			_	
Total Habitat Score (Should be between 4 & 12)				Please retur	n to:			É	3	1
Comments:				P.O. Box 73,	Paint Lick,	KY. 4046	1			
				859-925-901	2			COP	PERI	A DECTION

Sheet Mist Netting Data Form Date 12 July 2016 Project No./Name 501. 01 Emerson West Site No. 21 Site Location Forested area with pond State OH Time Up 2105 Time Down 0205 County Deruca Datum NAD 83 Observers G Janos, KL W/N-83.02460 Lat/Lon; UTM: N/E 41, 15591 Zone — Freq. Height Band# Moon Phase 🙆 % Mass Wax Wane WDI G/H/B/T FA (mm) Net Time Species Age Sex Repr. (m) Type Set Rise 5 0609 2105 2.5 Sun A Moon 4.0 3 2.5 1-P 2.0 5 45.0 Sky Wind No. Bats Time Temp (F) 0 6 800 4 2105 7 0 0 780 4 5.0 0 2250 PI 49.0 8 EPFU 3 76 0 4.0 74 2.0 0005 W 10 0 4.0 11 74 -2 7.0 12 2010 EPFU F.P.F.L . 5 13 4.0 01-10 FPFU 4.0 15 0105 EPFU Sky Code 16 0130 EPFU A Clear 0 2.0 17 206 Few Clouds 1 18 Partly Cloudy 2 19 3 Cloudy or overcast 20 4 Fog or smoke 21 5 Drizzle or light rain 22 Heavy rain - thunder storm 23 24 **Beaufort Wind Scale** 25 0 Calm: <1 mph 26 1 Light air: 1-3 mph 27 2 Light breeze: 4-6 mph 28 Gentle breeze: 7-10 mph 3 29 Moderate breeze: 11-16 mph 30 Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius

Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

(MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR)

(MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis

p. 1

P.O. Box 73, Paint Lick, KY, 40461.

(859) 925-9012

Start time

Stop time\_

P.O. Box 73, Paint Lick, KY, 40461.

p. 2

(859) 925-9012

Date

Coordinates\_

Weatherproofing

Comments:

Mist Net Site Habitat Shee Lat/Lon; UTM: N/E	et Site No. 21 W/N_			Zone	501 / Er	Observers_	SJan	12 14	Debs	cele	HPrice	U
		state (	DH Quad	Wat	\ m\	Observers_	200	1.0	-	,		
Site Diagram:		rate_c		Length				Domir	nant Veg	etation		
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10.00	Cori	1	B 5.2	9	7-12, 7/16	3. Tilly	a amel	can	26			_
Arsa			C 5.2	6	7-12,7/16			Mat 6	Cat hy U	hitat		
Not D N.	Eiss	D.	D 5.2	4	7-12,7/16	Habitat	I A	B	Set by H	D	E	F
3			E 5.2	9	7-12,	River	A	D	-		-	-
Pond						Stream	-			-		
1	Net					Pond				1		
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0 01	1		5			Gap Other					V	
Soy Bean Fiel	d		5			Other	/					
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	rization (Choose appropriate No or few snags >= 5" DBH						, crevices, e	etc)				
2 Roost habitat: 1. Poor: 2. Moderate: Snags with s. Optimal: Snags with s. Water Resources: 1. Pool. 2. Moderate: Ephemeral openings or canopy gaps. 3. Optimal: Streams or p. available.  Forest Structure: (if har 1. Poor: Habitat even ag. 2. Moderate: some diver may be present but rare. 3. Optimal: Mature fore: gaps that facilitate bat for	No or few snags >= 5" DBF is sloughing bark or other rown streams or place and streams or nearly streams or streams or nearly streams or st	I with sost featurest feat	sloughing bar, ures present 5 tres present 5 tres present 5 tres present at the site I areas present urce. It that appear that or if stand is 5 inch DBH. Trees 5 to 15 inch preses 5 to 15 inch present present present present present present present present present 5 to 15 inch present	k or other i-15 inch D is but too o offer d s monoci Underste ches pres	r usable roost fear DBH within 1000 fBH within 1000 fcluttered to allow rinking resource alture, area autonory growth cluttesent. Understory DBH frequent. Value of the DBH frequent.	tures (cracks of feet of forest feet of forest w many bats t throughout t natically qua red and restr clutter domi	eted areas.  To drink ease  The majority  Ilifies as a 1  Tricts flying/  nant but no	sily or simily of the sur poor). foraging of ubiquito	mmer. Flous. Trees	greater quent sn	resource	DBH
2 Roost habitat: 1. Poor: 2. Moderate: Snags with s 3. Optimal: Snags with s Water Resources: 1. Po 2. Moderate: Ephemeral openings or canopy gaps 3. Optimal: Streams or p available. Forest Structure: (if har 1. Poor: Habitat even ag 2. Moderate: some diver may be present but rare. 3. Optimal: Mature fore: gaps that facilitate bat for Land Cover: 1. Poor: Sc 2. Marginal: Trees prese 3. Optimal: Area is larg	No or few snags >= 5" DBF in sloughing bark or other roo sloughing bark or other roo sloughing bark or other roo or: bat drinking resources it or intermittent streams or pos allow bats easy access to the ponds (including road ruts) and rounds are absent or nearliged and young. Trees smallers it in the stream of the stream	I with sost features	sloughing bar- tures present 5 tres present 5 sent at the site I areas present urce. t that appear to the torif stand is 5 inch DBH. rees 5 to 15 inch sent. Trees >	k or other i-15 inch D is but too o offer d s monoci Underste ches pres 15 inch I un-fore	r usable roost fear DBH within 1000 fbH within 1000 fcluttered to allow rinking resource alture, area autonory growth cluttesent. Understory DBH frequent. Vasted. Few matures. Little connecti	tures (cracks deet of forest feet of forest w many bats) throughout throughout the natically qua- red and restrictuter domi- arying tree ho e trees preser- on to adjacer- rooded stream	ted areas.  to drink ease, the majority lifies as a 1- icts flying/ nant but no eight and to the not conn the forested of m, fence ro	sily or simily of the sur poor). foraging of ubiquito reefalls allo ected to of areas.	mmer. Flous. Trees	greater quent sn of trees.	resource than 15" l	DBH
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FU A	F	NR	19,75	47	AAB	2.0 3.0 4.0					Moon Time		Sky	52	08
00 A	M	NR	11.72		AB	30	000	<b>M</b>			Time		Sky		
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Mist Netting Data Form Site No. 22 Project No./Name 501 1 Emerson West Date 7/15/2016 Site Location Woodlot adjacent to County Live Rd 105 State OH Time Up 2102 Time Down 0202 County Senoca Datum NAD83 Observers Tille to Lat/Lon; UTM/ NYE 4 . 09254 Zone — Freq. Mass Height Band# Species Net WDI G/H/B/T Moon Phase 77% (Wax)/ Wane Sex Repr. FA (mm) Time Age (g) (m) Type\_ EPFU 15.75 M Ó Rise Set 49 19,25 3.5 Sun Moon 0 EPFU 47.0 8.0 0005 20.75 0 SC 5 Time Temp (F) Sky Wind No. Bats 6 7 15 2 2100 0 2 8 2200 2 9 (09 7 10 0000 70 11 0100 12 2700 13 14 15 Sky Code 16 17 Clear 18 Few Clouds 19 Partly Cloudy 20 3 Cloudy or overcast 21 4 Fog or smoke 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 24 25 Beaufort Wind Scale 26 Calm: <1 mph 0 27 Light air: 1-3 mph 1 Light breeze: 4-6 mph 28 2 29 Gentle breeze: 7-10 mph 3 4 Moderate breeze: 11-16 mph Acoustic Survey: Unit type\_ Unit# Date Start time Stop time Date Start time Stop time Please Return to: Stop time P.O. Box 73, Paint Lick, KY, 40461. Date Start time Weatherproofing (859) 925-9012 Coordinates Comments:

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(GO) /// -D				Stream	-	1				
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diana Bat Habitat Characterization (Choose Roost habitat: 1. Poor: No or few snags > 2. Moderate: Snags with sloughing bark o	= 5" DBH with sloughing other roost features pr	ing bark or resent 5-15	other usable room inch DBH within	stic) st features (crack	ted areas.	etc)				
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Sheet Mist Netting Data Form Date 14. July 2016 Project No./Name 50 E TOWNSTUP Rd 106. 125+ Site No. Site Location Time Up 204 Time Down 0204 County Servera State Datum\_NAD83 Observers Lat/Lon; UTM:(N)E 41.088 82.85002 Zone \_\_\_ Freq. Band# Height Wax / Wane Moon Phase WDI G/H/B/T FA (mm) Net Time Species Age Sex Repr. (m) Type Set Rise 2200 Sun 419 Moon 3.0 EPFU 2 5 0 4.0 No. Bats Sky Wind Time Temp (F) R 5.0 0 2315 EPFU M 13.5 4.0 8 CPFI 2 0 0010 LABO 41 5 M 3.0 0200 EPFU 18.0 10 11 12 13 14 15 Sky Code 16 Clear 0 17 Few Clouds 1 18 Partly Cloudy 2 19 Cloudy or overcast 3 20 4 Fog or smoke 21 Drizzle or light rain 5 22 Heavy rain - thunder storm 23 24 **Beaufort Wind Scale** 25 Calm: <1 mph 26 Light air: 1-3 mph 27 Light breeze: 4-6 mph 2 28 Gentle breeze: 7-10 mph 3 29 Moderate breeze: 11-16 mph 30 Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius P.O. Box 73, Paint Lick, KY, 40461. (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR) (859) 925-9012 p. 1 Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

Mist Netting Data Form Site No. 23 Project No./Name\_ Emerson West Site Location Wood of South of E Township Rd 100

County Seve ca State of Time Up 210 Time Down 020 82,85002 Zone -Datum\_NAD83 Observers Lat/Lon/; UTM: NYE 41, 08845 WWN Freq. Mass Height Band# FA (mm) G/H/B/T Time Species Sex Repr. Net WDI Moon Phase Of Age Wax Wane (g) (m) Type\_ 5 4.0 Rise Set 4.5 Sun 2014 3 m Moon 953 4 5 M Time Temp (F) Sky Wind No. Bats LABO 6 V010 M 21 0 7 0 2100 8 2200 0 9 2 10 11 6 VIDD 12 0 13 14. 15 16 Sky Code 17 0 Clear 18 Few Clouds 1 19 Partly Cloudy 20 3 Cloudy or overcast 21 4 Fog or smoke 22 Drizzle or light rain 5 23 Heavy rain - thunder storm 24 25 Beaufort Wind Scale 26 Calm: <1 mph 27 1 Light air: 1-3 mph 28 Light breeze: 4-6 mph 29 3 Gentle breeze: 7-10 mph Moderate breeze: 11-16 mph Acoustic Survey: Unit type Unit# Date Start time Stop time Date Start time Stop time Please Return to: Stop time P.O. Box 73, Paint Lick, KY, 40461. Date Start time Weatherproofing Coordinates (859) 925-9012 Comments: p. 2

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Mist Netting Data Form Date 14-54-16 Project No./Name\_50| Site No. Site Location wood lot east of powerline cut south of Time Up 2103 Time Down 0203 County Seneca State OH Datum\_NAD83 Lat/Lon; UTM: N/E 41,11955 98499 Zone Moon Phase 74 Freq. Band# Height Mass Wax / Wane G/H/B/T FA (mm) Net WDI Time Species Repr. Sex Age Type (g) (m) Set Rise FOITU 16.25 0 2103 0612 Sun EPFU 21 49 40 2 0 1620 0218 PI Moon ERFU 19.5 50 3 C 4 5 No. Bats Temp (F) Sky Wind Time 6 0 0 7 8 7 0 9 10 11 1200 12 13 14 15 Sky Code 16 0 Clear 17 1 Few Clouds 18 2 Partly Cloudy 19 3 Cloudy or overcast 20 Fog or smoke 4 21 5 Drizzle or light rain 22 Heavy rain - thunder storm 6 23 24 **Beaufort Wind Scale** 25 Calm: <1 mph 0 26 Light air: 1-3 mph 1 27 Light breeze: 4-6 mph 2 28 3 Gentle breeze: 7-10 mph 29 Moderate breeze: 11-16 mph 4 30 Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius P.O. Box 73, Paint Lick, KY, 40461. (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis (859) 925-9012 (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR) p. 1 Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

Mist Netting Data Form Site No. 24 Project No./Name 501 / Emerson mest Site Location Woodlot east of Powerline Cut Southof 162 County <u>Sene Ca</u> Lat/Lon; UTM: N/E 4 1, 11955 State OH Time Up 2100 Time Down 0.200 -82,98499 Zone Datum NAD83 W/N Freq. Height Band# Time Species Age Sex Repr. FA (mm) Net WDI G/H/B/T Moon Phase 100 % Wax / Wane (g) (m) Type\_ 2245 F2FU 49.0 200 1:0 Rise Set 2340 FPFU M 15.25 46.0 0616 0 2100 Sun 0115 LABO W 11.75 42 4.0 Moon 0602 OLIO LABO 9.25 41 4 4.6 5 Time Temp (F) Wind No. Bats 6 7 2100 0 8 2200 0 9 2300 70 0 10 0000 69 11 0100 68 12 0 0 13 14 15 16 Sky Code 17 0 Clear 18 Few Clouds 1 19 Partly Cloudy 20 3 Cloudy or overcast 21 4 Fog or smoke 22 5 Drizzle or light rain 23 Heavy rain - thunder storm 24 25 Beaufort Wind Scale 26 Calm: <1 mph 27 Light air: 1-3 mph 1 28 Light breeze: 4-6 mph 2 29 3 Gentle breeze: 7-10 mph 4 Moderate breeze: 11-16 mph Acoustic Survey: Unit type\_ Unit# Date Start time Stop time Date Start time Stop time Please Return to: Date Start time Stop time\_ P.O. Box 73, Paint Lick, KY, 40461. Weatherproofing Coordinates (859) 925-9012 Comments: p. 2

Mist Net Site Habitat Sheet Site No. 24	Project No./Name_	501 / E	merson i	rest			Date_/	4-50	1-16
	78499 Zone		Observers		nson	6.3	acob	r.	
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Sita Diagram:	TT - 12 T		T		Domir	ant Veg	etation		
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1 4 / 6/	/								
2. Moderate: Snags with sloughing bark or other roost 3. Optimal: Snags with sloughing bark or other roost Water Resources: 1. Poor: bat drinking resources not 2. Moderate: Ephemeral or intermittent streams or portion openings or canopy gaps allow bats easy access to the 3. Optimal: Streams or ponds (including road ruts) proposed available.  Forest Structure: (if hardwoods are absent or nearly 1. Poor: Habitat even aged and young. Trees smaller 2. Moderate: some diversity in age of trees in the standard be present but rare. 3. Optimal: Mature forest. Diverse age classes of tree gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding 2. Marginal: Trees present in the form of small wood 3. Optimal: Area is largely forested. Wooded stands	features present >15 inches of present at the site. Sonded areas present but took resource. The second of the site	DBH within 1000 cluttered to allow drinking resource culture, area auto tory growth clutt esent. Understor DBH frequent. Vectors ested. Few matures. Little connections	ow many bats to be throughout the comatically qualitered and restri- y clutter domin Warying tree he are trees presention to adjacent	d areas.  o drink eas  ne majority  ifies as a 1:  cts flying/ nant but no  ight and tr  t not conne	poor). foraging tubiquitor reefalls allo	us. Trees	greater t quent sm of trees.	resources than 15" I	ОВН
0	are remained to called the	The Common of the			.,		4	0	
Total Habitat Score (Should be between 4 & 12)			Please retur					S	•
Comments:			P.O. Box 73,	Paint Lick	K, KY. 4046	1	COP	PERH	EAF
			859-925-901	2			FREIDWAY	WENTER CO.	( + u > 1 - m n

Mist Netting Data Form Date 15 July 16 Site No. Project No./Name\_50 Time Up 2055 Time Down 205 Site Location Small would't wider a County Senera State OH Datum NAD 83 Observers Lat/Lon; UTM: 18/E 41. 14166 Zone \_ Freq. Band# Height Wax Y Wane G/H/B/T Moon Phase WDI Species Repr. FA (mm) Net Time Age Sex (m) Type\_ Rise Set -0601 210 Sun 2.0 0 Moon .0 0 0 Wind No. Bats Temp (F) Sky Time 2.5 0 2100 2 0 0200 3.0 0 5.0 2 2000 64 4,5 0 0 0100 3.0 0 0 0200 12 13 14 15 Sky Code 16 Clear 0 17 Few Clouds 1 18 Partly Cloudy 2 19 3 Cloudy or overcast 20 Fog or smoke 4 21 5 Drizzle or light rain 22 Heavy rain - thunder storm 23 24 **Beaufort Wind Scale** 25 Calm: <1 mph 0 26 Light air: 1-3 mph 1 27 2 Light breeze: 4-6 mph 28 Gentle breeze: 7-10 mph 3 29 Moderate breeze: 11-16 mph 30 Species Abbreviations: Corynorhinus rafinesquii (CORA); Corynorhinus t. virginianus (COVI); Eptesicus fuscus (EPFU); Lasiurus Please Return to: borealis (LABO); Lasiurus cinereus (LACI); Lasiurus seminolus (LASE); Lasionycteris noctivagans (LANO); Myotis austroriparius P.O. Box 73, Paint Lick, KY, 40461. (MYAU); Myotis grisescens (MYGR); Myotis leibii (MYLE); Myotis lucifugus (MYLU); Myotis septentrionalis (MYSE); Myotis sodalis (859) 925-9012 (MYSO); Nycticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR) p. 1 Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

Mist Netting Data Form Site No. Project No./Name / Date Site Location\_\_\_\_ State\_\_\_\_\_ Time Up\_\_\_\_ Time Down\_\_\_\_ County Lat/Lon; UTM: N/E \_W/N\_\_\_ Zone\_\_\_\_ Datum Observers\_\_\_\_ Mass FA (mm) Freq. Height Band# Time Species Repr. WDI G/H/B/T Age Sex Moon Phase Wax / Wane (g) (m) Type\_\_ 1 Rise Set 2 Sun 3 Moon 4 5 Time Temp (F) Sky Wind No. Bats 6 7 8 9 10 11 12 13 14 15 16 Sky Code 17 0 Clear 18 1 Few Clouds 19 2 Partly Cloudy 20 Cloudy or overcast 3 21 Fog or smoke 4 22 5 Drizzle or light rain 23 6 Heavy rain - thunder storm 24 25 **Beaufort Wind Scale** 26 Calm: <1 mph 0 27 Light air: 1-3 mph 1 28 Light breeze: 4-6 mph 29 Gentle breeze: 7-10 mph Moderate breeze: 11-16 mph Acoustic Survey: Unit type\_ Start time Unit # Date Stop time Start time\_\_\_\_\_ Date Stop time Please Return to: Start time\_\_\_\_\_ Date Stop time\_ P.O. Box 73, Paint Lick, KY, 40461. Weatherproofing Coordinates (859) 925-9012 Comments: p. 2

Mist Net Site Hab	itat Sheet	Site No. 25	Projec	ct No./N	Vame_5	ol IE	neceon	we	14		Date /	5Jul	16
Lat/Lon; UTM: NYE	41.14166	B/N 83.0203			Zone	/	Observers	C. 4	effyic	1.		- /	
Datum NAD 83	County Sine	C1 State	3 H	Quad				A.1	Ishner	@			
Site Diagram:		N		Height	Length	- role			Domi	nant Veg	getation		
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	Rem						Fence.						
	10.						ROW GA	X					
3. Optimal: S Water Resou 2. Moderate: openings or o 3. Optimal: S available. Forest Struct 1. Poor: Habi 2. Moderate: may be prese 3. Optimal: M	inags with sloughing rees: 1. Poor: bat Ephemeral or inter anopy gaps allow treams or ponds (in the content of	ing bark or other roost feating resources not primittent streams or ponder bats easy access to the resocluding road ruts) presents are absent or nearly absent or nearly absent or nearly absent or nearly absent or the stand. The stand of the stand	esent at d areas ource. In that a ent or if frees 5 t	esent >1 the site present appear to stand is DBH. U	but too offer dominated by the second but too offer dominated by the second but t	BH within 1000 cluttered to allo rinking resource alture, area auto my growth cluttent. Understor	of feet of forested ow many bats to e throughout the omatically qual- ered and restri y clutter domin	d areas.  o drink ea  ne majorit  ifies as a 1  cts flying,  nant but n	y of the sur : poor). /foraging ot ubiquito	mmer. Fl	yways to	resource	es are
2. Marginal: 3. Optimal:	Trees present in th	lometer surrounding site e form of small woodlots sted. Wooded stands are	and wo	oded fe	nce rows	s. Little connec	tion to adjacen	t forested n, fence ro	areas.				
Comments:									L VV 1014	1		5	
Commicino,							P.O. Box 73,		K, K1. 4040	01	COP	PERF	EAI
							859-925-901	2				STREET YO	CE GITTE

ite N ite L	o25	Small Wes	Project	No./N	dry a	501 litch,	/ E Surro	mers	ion h	bean	field	5	Date_J	0 22, Z	016	-	(2)	7
oun at/L	on; UTM	1: N/E 41.	14166	State_0	_W/N_	83.0	Time Up 32054	204	Zone_	ne Dowi	Datum_N	AD 83	Observe	rs G. Libby	, R. Ea-	on co	PPER	HEAD
#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phase	e96 %		v	Vax / Wan
1	2210	EPFU	5	F	NR	16.0	47	A	2	0	_	DNB				Rise		Set
2	7										1. 30			Sun		6:18	9m	8:58,
3											Jr = C			Moon		10:40	pm	9:12an
4																	,	
5														Time	Temp (F)	Sky	Wind	No. Bats
7								-						2100	830	-1	0	0
8											100			2200	80°	1	0	1
9			150	-		5								2360	78°	0	0	0
10					3 = 3									000	760	0	0	0
11			1	5 = "	-				1					100	750	1	0	0
12					4									200	750	1	0	0
13					-					la Tra			10.00					
14																		1
5				1)	7													
16								7.		IL I						Sky Code	2	
17	1.5													0	Clear			
18														1	Few Cloud	ls		
9														2	Partly Clo	udy		
20											E-37			3	Cloudy or	overcast		
21														4	Fog or sme	oke		
22									-					5	Drizzle or	light rain		
23														6	Heavy rais	n - thunde	er storm	
24																		
25													7		_	fort Win	d Scale	
26					-					C 1				0	Calm: <1 1	-		
27					1 1								-	1	Light air:	-		
28								- 7						2	Light bree			
29				E =1					1					3	Gentle bre	_	•	
30					HC.				-		-			4	Moderate	breeze: 11	-16 mph	

(MYSO); Nyoticeius humeralis (NYHU); Perimyotis subflavus (PESU); Tadarida brasiliensis (TABR)

Other Abbreviations: Male: M; Female: F; Pregnant: P; Lactating: L; Post Lactating: PL; Scrotal: S; Non Repro: NR

(859) 925-9012

p. 1

Datum: NAD 83 County Seneca State C	4		Zone_	_	Observers	G. Libb	7 , R.	Eate	פח ב	July 2	-1
Site Diagram:			IT et	1			_				
	Net	(m)	Length				Domin	nant Veg	getation		
			(m)	Dates	1. P. de	toides		4. J.	nigr	a	
a led		5.2	9	7-22-16	2.M. a	ba,		5. U.	amer	cana	
forested		5.2	4	7-22-16	3. A. n	egundo	5		pomi:		
		7.8	9	7-22-16		-					
D open		5.2	6	7-22-16			Net S	Set by H	abitat		
Grass) (©	E				Habitat	A	В	Ć	D	E	
1	F	= 1	1		River		1: -=				-
		= _			Stream		X				-
17 creek		-	17.		Pond		-		~		
		hotogr			Corridor			X	-		-
			on Ah		Cave	7		(		1	-
G NA)	hoto	Log:_	upload	ed	Mine						-
soy beans fence soybeans					Forest		Comment of				-
50) ( sence 50) bear					Gap		/				
{ } ton					Other		7				-
100					Fence	V					
(2)					Lon	. x .					
2. Moderate: Snags with sloughing bark or other recest feature	oughir	ng bark	or other	usable roost fea	gap tures (cracks,	, crevices, e	tc)				
2. Moderate: Snags with sloughing bark or other roost feature  3. Optimal: Snags with sloughing bark or other roost feature  Water Resources: 1. Poor: bat drinking resources not preser  2. Moderate: Ephemeral or intermittent streams or ponded at openings or canopy gaps allow bats easy access to the resourd.  3. Optimal: Streams or ponds (including road ruts) present the available.  Forest Structure: (if hardwoods are absent or nearly absent of 1. Poor: Habitat even aged and young. Trees smaller than 5 in 2. Moderate: some diversity in age of trees in the stand. Tree may be present but rare.  3. Optimal: Mature forest. Diverse age classes of trees present gaps that facilitate bat foraging.  Land Cover. 1. Poor: Square kilometer surrounding sites.	oughir res pres s pres nt at th reas p ce. nat ap or if st nch D s 5 to	ng bark esent 5- ent >15 he site. resent b pear to and is r BH. Un 15 inch	or other 15 inch II inch DI out too c offer dri monocul nderstor es prese	usable roost fea DBH within 1000 BH within 1000 f luttered to allow inking resource ture, area autom y growth clutter nt. Understory of BH frequent. Va	tures (cracks, of feet of forestern with the state of the	crevices, e ted areas. d areas. o drink easi ne majority ifies as a 1: cts flying/f iant but not	of the sum poor), oraging ubiquitous	mer. Fly s. Trees of	ways to r greater th uent sma	esources	RH
2. Moderate: Snags with sloughing bark or other roost feature Water Resources: 1. Poor: bat drinking resources not preser 2. Moderate: Ephemeral or intermittent streams or ponded an openings or canopy gaps allow bats easy access to the resources. 3. Optimal: Streams or ponds (including road ruts) present the available.  Forest Structure: (if hardwoods are absent or nearly absent of 1. Poor: Habitat even aged and young. Trees smaller than 5 is 2. Moderate: some diversity in age of trees in the stand. Tree may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site precedured. Area is largely forested. Wooded stands are contributed.	oughir res pres s pres nt at ti reas p ce. nat ap or if st nch D s 5 to nt. Tre domin	ng bark esent 5- ent >15 he site. resent b  pear to  and is r BH. Un 15 inch  ees > 15	or other 15 inch II i inch DI i inch DI out too c offer dri monocul nderstor es prese i inch DI	usable roost feat DBH within 1000 BH within 1000 BH within 1000 BH within 1000 BH within resource ture, area automy growth clutternt. Understory of BH frequent. Valed. Few mature Little connections of the stands via work within the connections of the conn	tures (cracks, of feet of forested of forested of forested of throughout the control of the cont	crevices, e ted areas. d areas. o drink easi ne majority ifies as a 1: cts flying/f ant but not ight and tre	of the sum poor), foraging tubiquitous refalls allow	s. Trees or frequency for frequency areas o	ways to r greater th uent sma	esources	RH
2. Moderate: Snags with sloughing bark or other roost feature 3. Optimal: Snags with sloughing bark or other roost feature Water Resources: 1. Poor: bat drinking resources not preser 2. Moderate: Ephemeral or intermittent streams or ponded as openings or canopy gaps allow bats easy access to the resour 3. Optimal: Streams or ponds (including road ruts) present the available.  Forest Structure: (if hardwoods are absent or nearly absent of 1. Poor: Habitat even aged and young. Trees smaller than 5 in 2. Moderate: some diversity in age of trees in the stand. Tree may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site precedures. Area is largely forested. Wooded stands are comedured.  Total Habitat Score (Should be between 4 & 12).	oughir res pres s pres nt at ti reas p ce. nat ap or if st nch D s 5 to nt. Tre domin	ng bark esent 5- ent >15 he site. resent b  pear to  and is r BH. Un 15 inch  ees > 15	or other 15 inch II i inch DI i inch DI out too c offer dri monocul nderstor es prese i inch DI	usable roost feat DBH within 1000 BH within 1000 BH within 1000 BH within 1000 BH within resource ture, area automy growth clutternt. Understory of BH frequent. Valed. Few mature Little connections of the stands via work within the connections of the conn	tures (cracks, of feet of forestern forestern forestern forestern forestern forestern feet of forestern feet of forestern feet of forestern feet of forestern feet forestern feet feet feet feet feet feet feet fee	crevices, e ted areas. d areas. o drink easi ne majority ifies as a 1: cts flying/f ant but not ight and tre	of the sum poor), foraging tubiquitous refalls allow	s. Trees ov for frequer areas o	ways to r greater th uent sma	esources	ВH
2. Moderate: Snags with sloughing bark or other roost feature Water Resources: 1. Poor: bat drinking resources not preser 2. Moderate: Ephemeral or intermittent streams or ponded an openings or canopy gaps allow bats easy access to the resour. 3. Optimal: Streams or ponds (including road ruts) present the available. Forest Structure: (if hardwoods are absent or nearly absent of 1. Poor: Habitat even aged and young. Trees smaller than 5 if 2. Moderate: some diversity in age of trees in the stand. Tree may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present gaps that facilitate bat foraging.  Land Cover: 1. Poor: Square kilometer surrounding site precedents. Optimal: Trees present in the form of small woodlots and 3. Optimal: Area is largely forested. Wooded stands are commended.	oughir res pres s pres nt at ti reas p ce. nat ap or if st nch D s 5 to nt. Tre domin	ng bark esent 5- ent >15 he site. resent b  pear to  and is r BH. Un 15 inch  ees > 15	or other 15 inch II i inch DI i inch DI out too c offer dri monocul nderstor es prese i inch DI	usable roost feat DBH within 1000 fbH within 1000 fbH within 1000 fbH within 1000 fbH within resource ture, area automy growth clutternt. Understory of BH frequent. Valed. Few mature Little connectioned stands via wood stands via wood bbH within the connection of	tures (cracks, of feet of forested of forested of forested of throughout the control of the cont	crevices, e ted areas. d areas. o drink easi ne majority lifies as a 1: cts flying/flant but not light and tree not connect forested area, fence row	of the sum poor), oraging ubiquitous refalls allow cted to other reas.	s. Trees government of the second of the sec	ways to r greater th uent sma	esources	ВH

		Woodlof eca 1: DE 4(.			(W)N_	45.40	7 39 OH 39		Zone_	ne Dowr	0159 Datum_		Observe	rs J. Haup	tion, C	Jacob	PPER	HEAL
#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phase	99%		V	Vax / War
1	2135	EPFII	AD	M	S	14.5	45.0	E	3	0	_	_				Rise		Set
2	2150	EDFU	Ab	F	PL	188	45.0	D		0	-	_	-	Sun		061	7	2059
3	220	EPFII .	40	F	PL	19.5	45.0	B -	75 K	0	-	_	-	Moon		2116	/	0659
4	7220	1400	11/	M	NR	9-0	40.0	E	14	0	7	_				Li		- 1
5	7720	FOFU	TV	M	NR	125	44.0	E	4	0	_	_	-	Time	Temp (F)	Sky	Wind	No. Bat
6	7300	EPFU	TV	M	NR	13-8	Win	E	5	0	_		-	Time	remp (r)		TVIIIG	NO. Dut
7	2330	EPFU	111	M	NR.	169	48.0	E	4	0	-	-	-	2100	81	0	2	0
8	2320	EPFU	130	M	NR	14.3	45.0	É	3	0	-	-	-	2200	75	0	0	Z
9	2335	EDF()	ITV	F	NR		47.0	E	14	0	_		_	2300	70	o.	0	4
10	2335	EDFU	AD	F	PL	183	45.0	E	5	0	-		-	0000	70	0	0	4
11			117							_				0100	68	0	0	0
12				ic — i	16 Th	_								0200	67	0	0	9
13																		
14			3- 1															
15												1						
16																Sky Code	2	
17														0	Clear			
18														1	Few Clou	ds		
19													1.4	2	Partly Clo	_		е
20			3											3	Cloudy or			
21						-								4	Fog or sm			
22											1		5	5	Drizzle or			
23														6	Heavy ra	in - thund	er storm	
24	1												9					
25						51 = 1										ufort Win	d Scale	
26					0								š	0	Calm: <1			
27														1	Light air:			
28														2		eze: 4-6 m		
29														3		eeze: 7-10		
30						7 =5								4	Moderate	breeze: 1	1-16 mph	
cou	stic Surv	ey: Unit typ	e		Unit #		Date		_Start tir			Stop time		Test :				
	110	N					Date		_Start tir			Stop time		Please Re				
	NI	17					Date		Start tir	ne		Stop time		P.O. Box	73, Paint	Lick, K	Y, 40461.	

t/L	on ; UTN	Woodlot S neca M: NDE 41.1	4128	State_	WN_	83,	04395		Zone		Datum_	~	Observe	M. 6000	sins m	CO	PPEF	RHEAL
#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phas	e 85 %		(v	Vax / Wan
1	2118	EPFU	A	F	L	19:0	450	E	3	0		/				Rise		Set
2	2315	LABO	VL	F	NR	9.8	39.0	D	2	0	-	-	_	Sun		061	3	2103
3	0000	EPFU	TV	F		17.0	45.0	8	4	0	1		-	Moon		170	7	0255
4									-,-									
5							1							Time	Temp (F)	Sky	Wind	No. Bats
7		-		-	-									2103	75	0	0	Λ
8	-		-											2203	13	0	0	0
9							-				-			2303	70	0	0	3
10					-					-			-	0003	6%	0	0	0
11								-						0003	68	0	2	3
2			-			-							-	0103	10		0	
3				-												_	-	
4						-												
5				-			- 1				-		-		1 1			
16																Sky Code		
17						7								0	Clear	-		
8					- 4									1	Few Cloud	ls		
19	-				7 - 8					-				2	Partly Clou	ıdy		
20							7							3	Cloudy or			
21	17 1						4 1							4	Fog or smo			
22				-										5	Drizzle or	light rain		
23	17.5				1									6	Heavy rain	- thunde	r storm	
24	7.01																	
25															Beau	fort Wind	l Scale	
26			(2.7)											0	Calm: <1 n			
27														1	Light air: 1	-3 mph		
28	1 39													2	Light breez	ze: 4-6 mp	h	
29											1			3	Gentle bree			
30									-					4	Moderate l	reeze: 11	-16 mph	
ore MY MY	alis (LAB AU); Myc SO); Nyct	eviations: Coryn O); Lasiurus cine otis grisescens (N ticeius humeralis ations: Male: M;	ereus (LA IYGR); M s (NYHU)	CI); Lasi yotis lei ; Perimy	urus sem bii (MYLI yotis subf	inolus (I E); Myoti lavus (Pl	ASE); Lasi s lucifugus ESU); Tada	onycter (MYLU rida bra	is noctivag J); Myotis s siliensis (T	ans (LAN eptentric ABR)	iO); Myotis onalis (MYSI	austroripariu	us	Please Re P.O. Box (859) 925-	73, Paint I	.ick, KY		p. 1

Lat/Lon; UTM: (N)E 41,14928 (W)N	83,04395	ect No./N	Zone	-	Observers		Kins N	1. Twod	00	-15-20	
Datum: County Sence	State Of	Quad	ZOIIC_		Obscivers_	01.12.00	0000	N. O.BL	S4-1		
Cito Dia organi	June 01	Height	Length	I	1		Domir	ant Veg	etation	15 07-	
Site Diagram: Field	Net		(m)	Dates	1. Quaras	vehvo			Susan		174
Miller Road	A	9	5.2	2/15-	2. Acer r	OBVUN	Q	5. Glek	Fein	trican	FRIOS
4/	В	1	5.2	7/15,20	3. Fraying	spenns	il vanica	6.			
	C	4.	5.2	7/15.20		1					
1 1	D	6	5, 2	+/15.20			Net S	Set by H	abitat		
40	E	9	7.8	F/10,20	Habitat	A	В	C	D	E	F
E tield	V F		7.0	101	River						
'el Net A TIELD WWW	7 W	/			Stream						
4 V	- 7				Pond					1 = 41	
VA9	√ Site	Photogr	aphs	0/	Corridor			X	X	li conti	† - <u>-</u>
MNet B P	) Can	nera:	GISI	Mere	Cave				+ =	1 = 4	
Net E	N Pho	to Log:_	Dowell	const to	Mine				2.3		
Net o	10 6	coupe Di	ays.		Forest		X				
1///95/9/////	1111				Gap		//				
Net D Woo	d / //-				Other	X			4	X	
ndiana Bat Habitat Characterization (Choose	appropriate score	for each	hahita	t characteristic	<u> </u>			1			
3 Roost habitat: 1. Poor: No or few snags >						crevices	etc)				
2. Moderate: Snags with sloughing bark or							cicj				
3. Optimal: Snags with sloughing bark or o											
Water Resources: 1. Poor: bat drinking re	sources not present a	at the site									
<ol><li>Moderate: Ephemeral or intermittent street</li></ol>	eams or ponded area	s present	but too	cluttered to allo	w many bats to	drink ea	sily or simu	ultaneous	dy. No c	orridors,	
openings or canopy gaps allow bats easy ac				v. v.4	4 1 10		- (d	TI			
<ol> <li>Optimal: Streams or ponds (including ro available.</li> </ol>	ad ruts) present that	appear to	o offer d	rinking resource	e throughout tr	ne majorii	y of the sur	nmer. Fi	yways to	resource	Sare
Forest Structure: (if hardwoods are absent	or nearly absent or i	f ctand ic	monoci	ulturo area auto	matically qual	fice as a 1	- noor)				
1. Poor: Habitat even aged and young. Tre	es smaller than 5 incl	h DBH. I	Indersto	ory growth clutt	ered and restri	cts flying	/foraging				
2. Moderate: some diversity in age of trees								us. Trees	greater	than 15"	DBH
may be present but rare.											
<ol><li>Optimal: Mature forest. Diverse age class</li></ol>	sses of trees present.	Trees > 1	5 inch I	OBH frequent. V	arying tree he	ight and t	reefalls allo	w for fre	quent sn	nall open	ings an
gaps that facilitate bat foraging.											
Land Cover: 1. Poor: Square kilometer sur	rounding site predo	minantly	un-fore	sted. Few matu	re trees presen	t not conr	nected to ot	her areas	of trees.		
<ol> <li>Marginal: Trees present in the form of s</li> <li>Optimal: Area is largely forested. Wood</li> </ol>	mail woodlots and w	ooded fe	nce row	s. Little connec	tion to adjacen	forested	areas.	wooded	corrido		
5. Optimal. Area is largely forested. Wood	ied stands are conne	cted to ot	ner woo	ded stands via	wooded Stream	i, rence re	w, or other	wooded	comido	-	
Total Habitat Score (Should be between 4 &	12)				Please retur	n to:			1	(2)	1
omments:					P.O. Box 73,	Paint Lic	k, KY. 4046	51		ب	
					859-925-901	2			INVEST	PERH	REAL TON

+)

ite L oun at/L	ocation_ ty on; UTN	Small wo veca M:(N) E 41. U	1877	State_	WN.	82.9	Time Up	205	7 Tin Zone	ne Dowi	0/59 Datum_		Observe	rs T. Hawk	in C.J.	aldi-	PPE	SHEA!
#	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phas	e 95%		V	Vax / Wan
1	2205	EPFU	JV	M	NR	158	46.0	C	3	0	-	_	_			Rise		Set
2	2205	EPFU	IV	F	NR	13.8	47.0	C	5	0	-	1	-	Sun		0617		2057
3	2210	EPFU	AD	M	5	17.3	46.0	D	4	0	-		-	Moon		0802	_	2156
4	2220	EPFU	Ab	M	5	17.3	46.0	E	4	0	_		-					
5	2245	EPFU	JV	M	NR	13.3	45.0	C	\$	0	1	-	-	Time	Temp (F)	Sky	Wind	No. Bat
6	2305	EPFU	AD	F	PL	18.0	43.0	E	5	0	)	1	-				11,210	100000
7	2315	EPFU	Ato,	M	S	20.5	47:0	D	.3	0	_	1	-	2100	83	3	1	0
3	0125	LACI	JV	M	NR	24.0	52.0	C	5	0	-	-	_	2200	80	0	1	0
9		3												2300	70	0	0	5
0								100	3					0000	70	3	1	2
1														0160	70	0	1	1
2													7.					
3		/														(T)		
4														1				
5					Y.													
6													1 - 2			Sky Code	e	
7						F. 1							17	0	Clear			
8					1 - 5		7			-			5 m	1	Few Clou	ds		
9														2	Partly Clo			
0													FE TO	3	Cloudy o	r overcast		
1						7								4	Fog or sn	noke		
2						3								5	Drizzle o	r light rair	1	
3														6	Heavy ra	in - thund	er storm	
4						7					1							
5															Bea	ufort Win	d Scale	
6														0	Calm: <1			
7	1													1	Light air:			
8				7										2	Light bre	eze: 4-6 m	ph	
9	1000													3	Gentle br	eeze: 7-10	mph	
0	1					le h			-				1 1	4	Moderate	breeze: 1	1-16 mph	
ou	stic Surv	vey: Unit typ	e		Unit #		Date_		Start tin			Stop time						
	x (A						Date		Start tin	ne		Stop time		Please Re	eturn to:			
	NA						Date_		Start tin			Stop time		P.O. Box		Lick, K	Y, 40461.	
at	herproo	fing					Coordin	nates						(859) 925	-9012			

	Time	Species	Age	Sex	Repr.	Mass	FA (mm)	Net	Height	WDI	G/H/B/T	Band#	Freq.	Moon Pha			6	Wax / Wan			
		2.00				(g)		7 = 1	(m)			Type		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 1	D:	1.				
		EPFU	A	F	PL	185	44	E	3	0		_	_	C		Rise		Set			
		EPFU	A	M	5	15.8		D	2	0				Sun		0615		2102			
	2312	EPFU	J	M	NR	13.5	43	E	3	0	-	_	-	Moon		1814		0334			
	2-1																1				
														Time	Temp (F)	Sky	Wind	No. Bats			
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ore MY MY	alis (LAB AU); Myc SO); Nyct	eviations: Coryn O); Lasiurus cine otis grisescens (M ticeius humeralis ations: Male: M;	ereus (LA IYGR); M (NYHU)	CI); Lasi yotis lei ; Perim	iurus sem bii (MYL yotis subf	inolus (L E); Myot lavus (P	ASE); Lasi is lucifugus ESU); Tada	onycteri (MYLU rida bras	s noctivaga ); Myotis s siliensis (T	ans (LAN eptentric ABR)	IO); Myotis onalis (MYSI	austroripariu	15	3 4 Please Re	Gentle bre Moderate eturn to: 73, Paint I	eze: 7-10 i breeze: 11	mph -16 mph ', 40461.	p. 1			

	/E 41.11877	W/N 4	12,9113			Zone_	-	Observers	J. Hawl	ins M.	600000			
Datum:	County_Se	neca	State_	OH	Quad		-							
Site Diagram:					Height	Length				Domin	nant Veg	getation		
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3	Time	Species	Age	Sex	Repr.	Mass (g)	FA (mm)	Net	Height (m)	WDI	G/H/B/T	Band# Type	Freq.	Moon Phase	80%		(N	Wane Wane	
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	2225	LABO	J	M	NR	9.0	41	E	3,5	0	-	-	-	Moon		181	O	0334	
딬	2245	EPF11	IA	m	S	14.75	410	B	3.5	0	-								
	2300	WABO	T	m	NR	9,25	39	D	4.0	0-P	-			Time	Temp (F)	Sky	Wind	No. Bats	
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in

Case No(s). 17-2295-EL-BGN

Summary: Application Exhibit J Part 16 of 33 electronically filed by Teresa Orahood on behalf of Dylan F. Borchers