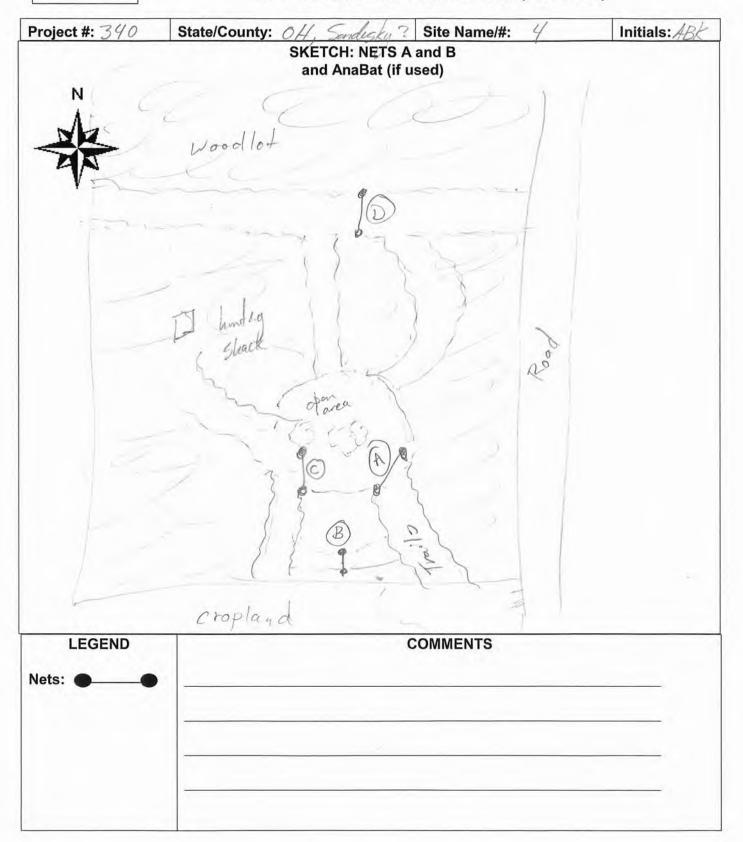
-
1

Project #	340	Date	1/27/11	Biologis	sts: Andrew	KAIDO 3	Noise
	7.57 N		1	Site Nar			
	lame: Mapulo		1		luad: Fire	side	
State: 0 Net/Trap/	Net/Trap/	unty: 5 de	itude		itude	Picture #	Waypoint #
or AnaBat	AnaBat Serial #				14,6 "W	0672	34044
A	net	91	52.3 "N 51.5 "N	0	14,9 W	0673	34039
B	het	41 014	52.7 "N	CC -	15,4 W	0679	39001
D	net	11 0 181 1	55.0 N	82.56	14,8 "W	6875	39004
7-0-1	to closest water	r source (mete	rs): 400	Туре	of water sour	ce: 5/10	2.641
	urce name:	_			4		
FSTIMA	TED WATER S	OURCE CHAR	ACTERISTICS (	F UNDER N	ETS): N/H		
Bank He	ight: m	eters Chan	nel Width:	_meters S	tream Width:	met	ers
Substrati	ım: Bedro	ck Boulde	rCobble _	Gravel	_SandS	Silt/Clay	
Orill IVI-1	or Propost /V/N	): Av	erage Water Dep	oth: m or	cm Clarity	(H,M,L):	
	ALCOHOL: COLUMN TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TO SERVICE AND A	), Av	ciage water ber		- F. G. 17	y	
VEGETA		ios /> 40 cm/16	s" dbb) S	Subdominant	Canopy Spec	ies (< 40 c	m/16" dbh)
	nt Canopy Spec			Jualans			
- dy				- ×			
200	s c high						
Relative Estimate	ed dbh range: I abundance of ed canopy closu ee potential cor	dominant vs. su ure:	ibdominant (ratio Closed Large Tr	):_1/8	n range: Lg: _  Modera Snags	te	_Open _ Neither
	ee potential for		High		_ <u></u> Modera	te	_Low
	otential comme	Y.	ar dead	shaa on	prop + !	Trong his	charge
	opy clutter:	-	Closed	1	_ Modera	- Charles	_Open
and the second second	opy comprised	largely of:	Lower B	ranches of	Sapling	s	_Shrubs
			Canopy				
Commo	n Subcanopy S	pecies:	- Ur	IGV , CELLYA	-		
			Acer sac	charun,			
Habitat	Description:	Small we	rodled in c	rouland			
	Habitat: N	9		,			
	all that apply:			2.00			
	re Upland Fore		tly Logged Fores		Pasture Land		Other
Your	g Upland Fores	st X Forest		Stream	n/River	-	
	re Lowland For ng Lowland For			The second secon	vater Lake/Po	nd _	
			√ Moderate	Den			
	eous Cover: _	Sparse	Moderate	1			

### **NET SITE HABITAT DESCRIPTION (continued)**



Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue, Cincinnati, OH 45232 (Phone: 513-451-1777). WEATHER DATA

w

Comments

BAT

Date: 7 /29

Project #: 34 0 Date:
Project Name: Republic
Biologists: Andrew Task Site

S County: See

GPS Unit #:

State:

1

BAT CAPTURE DATA

% Cloud Cover (estimated) 9/0001 500 8/000 50% 100% 5000 0.00 500% 16 N (estimated – see chart)\* Wind Speed 410 11-17 4-17 1 T 750 2 Temp (°C) N 7 200 23:00 7100 100 (xxxx h) Time 000

Minorta

Waypoint #	34044	340BG	34004	34004	
Picture #	2690	O673	1250	5690	
Time Up Time Down (xxxx h)	022	225	230	237	
Time Up (xxxx h)	2135	2125	2187	2130	
Height (m)	6	10	6	Z.	
Length (m)	0	200	6	10	
Longitude	M. O.M. 95. 28	82.55 119.9 "W	M. 4.51. 95.23	M. B131 . 35 . 78	
Latitude	N. 823. 11. 11	N. 5.15. H 15	N. t. 75. 11 . 1h	N. 0'55. hl. h	
Net/Trap/ AnaBat Serial #	Met	act	1 A	net	
Net/Trap/ or AnaBat	Y	(A)	2	0	

Capt #	Net/ Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	9	E. (useus	21:45	1	4	MA	7.7	36	3	0	
	1	E. 6050015	Sh:12	1	E	N	14.2	94	611	0	
	) 40	E. fus, 35	51.12	0	2	->	12.27	N	الد/	0	
15	U	E. 1050 US	71:45	-0	W	7	-	211	M	0	
	J	F. FUSLUS	31:12	-0 V	A	->	16,2	5/2	( <del>4</del> )	0	
	V	F. 62502	21/1/2	107	E	->	15.4	5	M	0	
	N	L, Barialys	22:19	70	4	12	17.3	7/2	W	0	
ني	4	L. Burialius	0.2%	20	4	NA	5	40	N	Ó	
5	O	F. 402103	R. 2.	1	2	->	2.5	NI	N.	0	

1 Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓ \* Refer to table on the back



BAT CAPTURE DATA (continued)

340

Project #:

Date:

Guano/Hair Sample

	10.6	D
		N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Date.		City All

10000				Date							1.12	146
Proje	Project Name:	63		Site	Site Name/#:	7)				ī	tials: ///	ASK TO THE PROPERTY OF THE PRO
Capt #	Net #		Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (8)	RFA (mm)	Belly (F/M/E)	elly Wing Index* (0-3)	Comments Picture # /Guano/Hair S
10	J	<b>←</b> +	f-156-15	22,28	3	3	NP	74.7	Y	1	0	
	U	(12	(05005	97,78	4	y	2	7.0	7	11	2	
17	0	الدا	fusous	\$2,30	25	N	Z/Z	13,01	5	43	O	
N	W	, i	fustus	22:35	てせ	1	-9	15,2	T	14	0	
160	V	(7.2	502504	2350	2	4	NR	N	21/2	3	0	
10	V	24	CUSCUS	27:50	70	7		46	26	11	0	
9	Ų.	أدادا	LUSCUS.	22:50	てて	a.L.	10	2.8	7	J	0	
E	U	ΙĎ	Fuscu S	72156	TO Y	n	ζ_	8	77	Ų.	2	
00	<	la	4	100	0 7	1	1				2	

								These 172, 1205		
0	0	0	0	0	0	0	0	0	C	-
14	+	4	4	N	V	4	Z	J	50/	14
34	SK	95	山山	50	ろし	95	10	20	6.1	37
20.02	19.4	30.6	21.6	7.6	17, [	200	n,	7.6	vi	7
	10									
4	-	J	4	ب	S	4	m	N.	2	A
21.50 X3	22:55 A.A.	23,70 AA	23:30 A d	13:20 Nd	CO,75 Ad	VC 20100	1:10 -1	1:40 1-1	7. co. C	120
507507	Fuscus	fustus	F35c35	(105cus	Fuscus	105015	F 2522 5	605005	N. C.	

Visible Condition  Smoke rises vertically  Direction of wind shown by smoke but not by wind vanes  Wind felt on face, leaves rustle, ordinary wind vane moved by wind  Leaves and small lawge in constant motion; wind extends light flag  Raises dust and loose paper, small branches are moved  Small trees in leaf begin to sway, crested wavelets on inland water  Large branches in motion, telephone wires whistle, unbrellass used with difficulty  Large branches in motion, telephone wires whistle, unbrellass used with difficulty
---

Wind Speed (mph)

0 1-3 4-7 8-12 13-18 19-24 25-31 32-38 32-38

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	<ul> <li>Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.</li> </ul>
24	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (sploctining). Scarning is visible without transfurmitation. Membrane exhibits some necrotic bissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.
in.	Heavy damage. Deteriorated wing membrane and necrotic tissue. (solated holes >0.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or chiropatagium are evident.

Page 2 of



## BAT CAPTURE DATA

Date: 7/29/11 Camera #: County: Project Name: Republic Project #: 340 State: OH Site name/#: GPS Unit #: Biologists:

### MOON PHASE\*

Waxing gibbous Last quarter New moon

First quarter Waning gibbous Waning crescent Waxing crescent Full moon

Wind Direction:  A cover (estimated)  Sover (estimated)			١		Pisol J	
	Time 0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction:	Cover (estimated)	Comments
	100				000	
	120		21			
	2,00					
	230					
	300					
	020					
	000					
	030		71			
5.25	001			(	200	
	08			\	01	
	0.0		- 1	1	2 16	

				Longth		Time Up	Time Down	Dictire #
Not/Tran/Anahat		abiitite I	Longitude	(m)	(m)	(H 0000)	(H 0000) (H 0000)	
וופחוומאווייייייייייייייייייייייייייייייייי	Net/Trap Type	Lantage		1		2000	2	アイナロ
#		11 500 184	100	0		411	1	1000
*	100	N 0,75 4 0 15		1	7	ととから	000	0000
1	1	N. 313 . 510	56 1 195	70			110	17.1.
(X)	MET		Ww 15 3 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0	à	1502	202	00 + 1
1	7-11	N. L. 75. 6 0 1/2	200	1	Y	0011	200	0 6 4 10
)	1000	0 21 15	82 56 Hr	0	7			1

Net Placement/Site Description:

				Age	Sex	Repro. <sup>2</sup>	¥	RFA	Belly	wing index	Dicture # (Guano/Hair Sample
Capt #	Net #	Species	Time	(Ad/Jv)	(M/F)	3	(6)	(mm)	-	(S)	Tione and a second
-	17	Sur enles	21.18	Ad	-	7.	7	Z Z	1	3 0	
1	III.	fusins	21.28	Ac	2	>-	14.1	2		00	
1		Guscus	21.90	Pd	2		10,0	1	Va	> <	
1	il l	805CUS	25	0	Z	>	16.0	2 =	5 7	50	
10		60503	22 W	Ad	٤.	-	UNIT I	9 7	ξL	C	1
1	D D	£25025	723	Age	21	70	25.5	25	N.	00	
1		prosecs	3	A. A.	2	N S	2 3	7	1	0	
0	U.	1932		Ď			1				
		Sharper of the same of the sam	-				-				* * * * * * * * * * * * * * * * * * * *
				1	The state of the s	Formalian Female = NB/P/3// /Pl Male = 1/4	I/P/D/AN = old	/Pl Male =	1/1		

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap. A = Anabat \* Refer to table on the back

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)

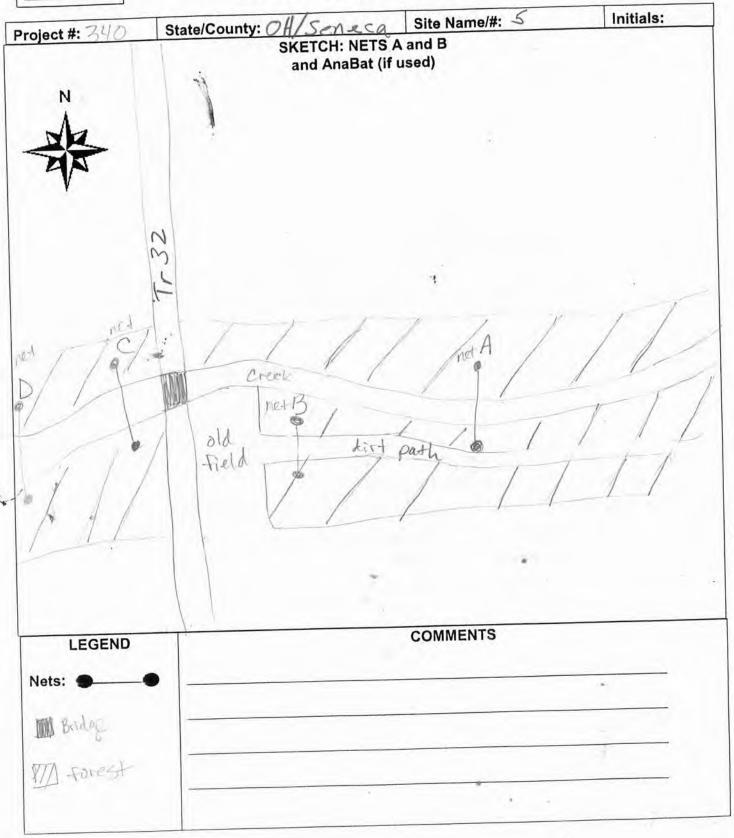


Project #	1:345	Dat	e: 19-Jul-11	Biologists: 8.1	Bobiger 3	- Cap	taile
	Name: John-	od reput	2	Site Name/#:	5		
State: D	+/ Co	unty: Sauce		USGS Quad:	Watson		
Net/Trap/	Net/Trap/	La	titude	Longitude	Picti	ure#	Waypoint #
or AnaBat	AnaBat Serial #	111 . 13	WIST N	13.00 1346	"W 21	99	-
West	8	111 . 13	14.5 N	13° (2) + 60,0	"W 30	E D	_
Mel	0	111 . 13	32,1 'N	H . AD 1415	"W 300		_
1200	D	111	11/4 "N	13 1 02 44.1			_
	to closest water	r source (mete	rs):	Type of wate	r source:	YES.	-
	ource name:						
			ACTERISTICS (IF		7.1	OT 300	
Bank He	ight:m	eters Chan	nel Width: 🔝	meters Stream V	Vidth:	_mete	rs
Substrat	um:Bedro	ckBoulde	rCobble 📐	_GravelSand	Silt/Cla	ау	
				h: <u>32</u> m or cm <sup>*</sup> C			7
VEGETA							
	nt Canopy Spec	ies (> 40 cm/16		bdominant Canopy			
	us reciden			excess promsylv	arica Mi	Lenus.	america
Buch	3. Letterdes		7.	library was	10961511	arra-	
- F			A	cetearcheroson,	Assembles	gleb	(8)
Estimate	ed dbh range: L	g: 00_ Sm	: <u>50                                    </u>	stimated dbh range:	Lg: <u>37</u>	Sm:	20
			bdominant (ratio):				
	ed canopy closu		Closed		oderate	200	Open
	ee potential con		Large Tree	es <u>×</u> Sr	ags		Neither
	ee potential for		High	Mo	oderate		Low
	otential commer	4.4	large snaps	· w/loose	back		
	ppy clutter:	is. Fary	Closed		oderate		Open
		aracly of:	∠Lower Bra		plings		Shrubs
Subcand	ppy comprised la	argely of.	Canopy Tr		pinigo		3/11/400
Commo	n Subcanopy Sp	nacias:	cor manuado				
Commo	1 Subcarropy of	recies. W	(e) minimum				
		-	A	30 - 2 7 7	The Johns	12-4	
	Description: A.	Arlan Thion	gh township co	alder since when	J. J. W.	STREET	
AnaBat I	Habitat: N/A						
	Il that apply:	. Accesso	A TOTAL FARM	V. Over/Deation I	244	O	her
	e Upland Fores g Upland Forest		y Logged Forest	Crop/Pasture L	and	_01	101
	e Lowland Fore			_Vernal Pool			
	g Lowland Fore			Deepwater Lak	e/Pond	_	
Herbace	ous Cover:	Sparse	Moderate	Dense			
Revised Ap	ril 2011		1				



Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)

### NET SITE HABITAT DESCRIPTION (continued)



### BAT CAPTURE DATA

Property of: Environmental Solutions & Innovations, Inc. 781 Neeb Road. Cincinnati, OH 45233 (Phone: 513-451-1777)

Comments

% Cloud Cover (estimated)

to

From

Wind Speed (estimated – see chart)\*

Temp (°C)

00 2130

(0000 P)

Time

**WEATHER DATA** Wind Direction: N 0

2 1

24 030 24

h

3300 2330

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J.

Project #: 510	1	Date: 1 + DUIN ADI	1010
Project Name: Tetra tech Cup	a tech	Lupublic	7
State: OH	County: Send	Servicos	
Biologists: Erin Basiger: Alexa Ca	Basia	V. APKA	THUR
Site name/#:			

4	MOON PHASE*	
New moon	Waxing crescent	First quarter
Waxing gibbous	Full moon	Waning gibbous
Last quarter	Waning crescent	

et/Trap/Anabat	Net/Trap Type <sup>1</sup>		1	atifude.	ē		-	ongitude	9		Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
*	102	0 1	12	-	N. S. IV	100	0	Lex.	37.8	Ma	0	9	12035	12 19	2999
B	4017	0	5	2	N. し.	600	250	4.0	0.5	Ma	9	9	2040	10.80	2000
ر	42.18	410	17		N. 1.22	288	100	1.0	101	N <sub>a</sub>	Ü.	9	2098	NO.	2005

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Capt #	Wet #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(g) Wt	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	T	Marie 12 62505	12/3/	Ad	44	7	114.5	44	þ	0	
	e	The state of the state of	31010	7 4	1	179	L'A		V.1 )	0	
-	-	Mayork List Principle	7100	7	3	4	4	10	10	0	3004 - 109
	Q	March Control	715/10	7	2	~	0	3	ÉL)	0	
L	4	W-7-12	7157	12	VV	N.10	15	N.	Ju.	0	
	*	NC 9-25 - 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	2150	F	14	100	0.0	312	LD	0	
1	1	MANUAL LANGER DAY	12	69	H	70	80	21.0	W	0	
ce	X	Mile 15 WORLDUS	SIN	401	17	4.	7.0	36	10	0	
ā	N	Minority In word	2232	190	le)-	0	0,15	510	100	0	
8	C	Misself Lephonicshal	177.29	DA	8	4	000	3.	W	0	

\* Refer to table on the back / Op + PE

show money



Project #:

# BAT CAPTURE DATA (continued)

Date:

Net	Capt Net	olle	one Name/#:	1				Ini	Initials: 216	
*	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	(a) Wt	RFA (mm)	Belly	Wing Index*	Comments
1 -	M. WAS TUCHENOUS	27.30	Z	14	200	0.37	72	M	3	ricture # /Guano/Hair Sample
T	14115LS 805LUS	72:42	Ad	N.V.	3	0.6	460	N/K	00	
	Myself 1 of Strong	27.18	70	4	70	ト	17	V.O.	10	
Z.	50 X 1500 PULLUS	7745	K.A.	L	d	10	0	VV	) (	1
4	Minchs Weltwalle	77.70	7	14	9	200	100	VV	200	187010
*	Myloh's 100 4 3 4	388	10	W.S.	K	TE C	3	7.77	3/0	
1	Egylistus Applies	7		L	gyv	5	40	100		
0	ANNABAS CONSTRUCTOR BOOK	23.96	77	You	1		01	(0)	3 (	3
d		10 17	TT	11	100	51 15	0	N.	3/6	2011 2 3617
·K	MANATS MUNEUS		1	17	ià	36	N S	100	38	
	THE STORY BUILDY	10 A A	7×	H		16	1	N. S.	)-	
I	Watis hayland	20.07	-	11	114	000			- 8	
	Lot sous Applica	54.16	PA	344	1	Jts. 2	44	18	00	
1	STANDON STANDON	34130	Z	T	N. S.	0.0	44	N.N.	C	20110 8 7-17
a a	100 4047 \$ 5-0500 mest	00,10	Ad	Eq.	8	1	2/2	157	15	ATT 8 301 /
ä	They be without IT	01.78	3	\ h-	NR	7	38	S	0	
τ.	30.05/00 20.01	14:10	8	15	) Gr	0.46	5	5	C	
t	Ephlishus huseus	21:00	ス	V	MA	N	400	W. A.	0	

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Sca
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Bea
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Wind Speed (mph)	Description	Visible Condition
0	Calm	Smoke rises verticelly
-3	Light Air	Direction of wand shown by smoke but and by used users
14	Light Breeze	Wind felt on face leaves metter ordinary mod trans
8-12	Gentle Breeze	Leaves and small hains in constant motion, used cutsed in the
13-18	Moderate Breeze	Raises chief and Inose paper small broaden and account and
19-24	Fresh Breeze	Small frees in leaf havin to cuer, months an inches
25-31	Strong Breeze	Large franches in motion, telephone uses which a make the
32-38	Moderate Gale	Whole trees in motion, incompanione wies willisse, underlies used with difficulty
39-46	Fresh Gale	Breaks Water of trace, people impeder process

### 2010 Lunar Phases

New	First Quarter	Full	Last Quarter
Feb 13	Mar 23		
Mar 15	Apr 21		May 5
Apr 14	May 20		
May 13	Jun 18		Jol 4
Jun 12	Jul 18		
Jul 11	Aug 16		
Aug 9	Sep 15		
Sep 8	Oct 14		
Oct 7	Nov 13		

### Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes
	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scanning is visible without transfurnitation. Membrane exhibits some necrotic tissue and possibly tew, small holes (40,5 cm offameler). Forearm skin may be flakfing and discolored along the majority of the forearm.
er	Heavy damage. Deteriorated wing membrans and necrotic tissue, Isolated holes 90.6 orn are present in membranes. Necrotic or receding plagiopalagium and/or historianium present in membranes.



## **BAT CAPTURE DATA**

Name: Tel	
7	
orare.	
Biologists: E. Overage Contract	1
Site name/#:	

### MOON PHASE\*

New moon	Vaxing gibbous	ast quarter
Se	×	La

First quarter	Waning gibbous	
4		ıt

		M	<b>WEATHER DATA</b>		
Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
100	6 /	1.3	1	1001	
130	1.88	Q	1		
8	1.10	9		10%	
25	26.9	7.7		10%	
388	36.7	297	1	000	i i
330	200	1-3	1	SOL	
200	16 7K	2		25	
280	35.5	200	Į	Qh.	
00	V 515	7.00	J	128	
300	9 4	T <sub>1</sub>		250	

Length Height (m) (m) (m)	6 101 Ma 7 32 . C	3 130,0 WW 6 6	
	450	35.0	-
Lafitude	N. 877. 81 . 11	N. 5745. 11	The second of the second
Net/Trap Type <sup>1</sup>	net 1	17	
Net/Trap/Anabat	¥	ĸ	~

Picture #

Time Down

(H 0000)

Time Up (0000 h)

3000

05/6

3008

5510

# Net Placement/Site Description: 414 acress

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
		Marks were her	SWG	30	T	NR	1.6	100	W	0	
		SHEDIES WERES	3/4/5		Tal.	¥	16.35	75.77	W	10	
	٧,		0	D.J.	M	7	0.2	25	LV.	0	
		2 fusers	2150	19	M	4	16.2	45	Lui.	0	
VC.	0	Marks authorized	5000						502		Dan CETABE
	H	Mark Jucoscianos	1010	30	W	4	1,6	36		0	
0	Œ	Estes and hagains	0030	20	M	F	0	45	1)	0	
ST.	8	In wins Tuestames	J356	44	1	72	10,5	37	1,077	0	
a-	V	E, Fuscons	3310	AN	M	1	17.6	45	7,	0	
8	4	No. Sales	1880	4	U	NR	13.0	6/3	170	L	

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back

/lon, HT = Harp Trap; A = Anabat <sup>2</sup> Reproductive Condition; Female = NR/PG/L/PL; Male = ↑/↓

0200 Direct 411/31411 (45,00,44,111 ) 9" 6 2014

FICH.



# BAT CAPTURE DATA (continued)

Date:

Site Name/#

Picture # /Guano/Hair Sample Comments 14 Justy. Wing Index\* Initials: EB (0-3) 0 10 Score (F/M/E) E RFA (mm) 2010 Lunar Phases 30 **₹ 6** Do. TO Repro. Ġ Sex (MF) U (Ad/Jv) 8214 Time Visible Condition Beaufort Wind Scale Species DESTANTS CYCL Project Name: Description Net # Wind Speed (mph) Capt U \*

Wing Index Key
Lescription  Colombiane, Fewer than 5 small scar spots are present on the membrane
light damage. Less than 50% of flight membrane is depigmented (sploto: which is often visible only with translumination.
Addenate damage. Greater than 50% of wing membrane covered with so spolictining). Scarring is visible without translumination. Membrane exhibit ecrotic fissue and possibly few small holes (-0.5 on diameter). Forearm taking and discolored along the majority of the forearm.
leavy damage. Deteriorated wing membrane and necrotic tissue, Isolate

0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarning is visible without transfurmination. Membrane exhibits some necrotic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be fishing and discolored along the majority of the forearm.
m	Heavy damage. Deteriorated wing membrane and necrotic tissue, Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or ohiropatagium are evident.

Apr 6
May 5
Jun 4
Jun 4
Jun 4
Aug 2
Sep 1
Sep 1
Sep 130
Oct 30
Nov 28

Mar 29 Apr 28 May 27 Jun 26 Jul 26 Jul 25 Sep 23 Oct 22 Nov 21

Apr 21
Apr 21
May 20
Jun 18
Jul 18
Aug 16
Sep 15
Oct 14
Nov 13

Apr 14

May 13

Jun 12

Jun 12

Jun 12

Jun 12

Jun 17

Out 7

Smoke rises vertically

Direction of wind shown by smoke but not by wind vanes

Wind lett on face; leaves rustle; ordinary wind vare moved by wind

Leaves and small wigs in constant motion; wind extends light flag

Raises dust and loose paper; small branches are moved

Small trees in leaf begin to sway; crested wavelets on inland water

Small trees in leaf begin to sway; crested wavelets on inland water

Large branches in motion; lietphone wires whistle; unbrirellas used with difficulty

Whole trees in motion; inconvenience in walking against wind

Breaks Migs off trees; generally impedes progress

Light Breeze Gentle Breeze Moderate Breeze Fresh Breeze

0 1-3 4-7 13-18 19-24 25-31 32-38 39-46

Light Air

Strong Breeze Moderate Gale Fresh Gale



Project #: 340.02 Da	te: 14-5-1-11	Biologists:	scaptorn Siker
Project Name: Tetyatech Repu	olic	Site Name/#: 541	7
State: OH County: Sende	a	USGS Quad: + 1015	de
Camera #: Evan Picture #s: 36  Latitude: 4/1 ° /3 ' 32 R "  Distance to closest water source (m. Water source name: wy,amed priva	N neters): 20 m	GPS Unit #: <u>E953</u> 4 W Longitude: <u>多3。</u> 0 Type of water source	,/_"W
ESTIMATED WATER SOURCE CH	HARACTERISTICS (I	F UNDER NETS):	1/4
Bank Height:meters Ch	nannel Width:	meters Stream Wid	th:meters
Substratum:BedrockBou	ılderCobble _	GravelSand	_Silt/Clay
Still Water Present (Y/N):	Average Water Dep	th:m or cm Clari	ty (H,M,L):
VEGETATION:			
Dominant Canopy Species (> 40 cm/	- Prunu- Jugla	ominant Canopy Species second Acar second	harum
Estimated dbb range, Lay Co		ous pennsylvanira, Po	
Estimated dbh range: Lg: Sn		ated dbh range: Lg: <u>3</u> 5	5 Sm: 10
Relative abundance of dominant vs			12.6
Estimated canopy closure:			
Roost tree potential consists of:	7-7:	X Snags Both	
Roost tree potential for the area is:		Moderate	Low
Roost potential comments:			
Subcanopy clutter:	Closed	<u></u>	Open
Subcanopy comprised largely of:	Lower Branch Canopy Trees	nes of <u>X</u> Saplings	Shrubs
Common Subcanopy Species:	Ulmus rubra	Juglans n	100
	Ulmus alumas	1	4
Habitat Description: Vouna War	dot near older	erd and pond: A)	Vtraite
from comparound near	by into woodlat		
Young Upland ForestPine Pla	antation t/ForestEdge	Stream/RiverV Emergent WetlandD	hrub/scrub Swamp ernal Pool eepwater Lake/Pond other
Herbaceous Cover: Sparse	<u></u> ✓Moderate	Dense	



### NET SITE HABITAT DESCRIPTION (continued)

Project #: 340.02	State/County			te Name/#	: Site 7	Initials: SR
		SKETCH:	NETS A and	d B	wer]	Law I
pond N			TAL		pos	4-1
w Mm/L		L	early Oak campgro	S I M	No.	P===)
NE	M	A street	Campolio	unci		
ANVI	mount oracs	a por	m /	~ m		MUUU
1 m	- July			11111	7170	MAHH
Y's en	m pi	" or		"War In the sail in		-3077 QU
	V. 57.73	E43.				8555
un .	TO THE	- 00		1650		
pond	V357	pord V	wood	ot c		
Porte	6323	O P				
- u	~ 40	A			Tally Mary	
A CASO	53	X 552	ATV trail	24. 944	July Wood	Not Care
pronie #	A COU	50m/19 508	Je - Cail		5090m	
-17	1300	632				3344 D
A CONTRACTOR	630 16 ×	TO SOUTH	SOUTH FILE	Marie of the se	CHINE	
	33000	VIE	- 12		1	
1//	D	V	1	V	V	W
V	(		Y	Y		1
10.	11.7	V	obtaild.		V	
V	V	,	9, 4		V	1.
-				-		
			*			
			1.1.1-			9
		20	ybield			-
						3 = -
LECEND						
LEGEND			COMIN	MENTS		
Nets:	NIA					
	19/11					
RVS:						
Srags: * Dicture Anglo						
Dicture -	-					
Anglo ( + HAH)						
						-

### BAT CAPTURE DATA

Camera #: E.G. Kodok Site name/#: SHo County: Seveco Date: 19~ 500 Anablic Biologists: E Braing, R.P. anton Project Name: Tetratect 8279 Project #: 340,02 GPS Unit #: | State:

Time Temp (exxx h) (ec) (2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	(estimated – see chart)* Co	>	Comments
	000000	75% 70% 05% 05%	
	0000	70% 70% 35% 05%	
21.30 22.30 22.30 23.4 23.4 23.4 23.4 23.4 23.4 23.4 23.4	0000	35%	
2200 24 2280 23. 23.0 23,	000	35%	
22.30 23.	000	0%	
23,0 23,	0		
2		22	
72	0	300	
5000 Z3	6	1	
00.80 22	0 6	1000	
22	.7	Jac IC	
3150 22,4	0 6	i c	
0200 22	2 6	0.50	

or AnaBat	AnaBat Serial #		Latitude	Longitude		Length (m)	Height (m)	Time Up	Time Up Time Down (xxxx h)	Picture #	Waypoint #
12	4	0	3. 18.7 'N	83.01.211	Ma	0	92	Shus	Shir	View View	NSW
100	0		Z	2.10.53	Μ.,	0	0.1	2050	0810	35.44	pho
1	0	0	N. 551. (5)	83. 11.29.	M.,	3	6.2	2055	0155	3083	8/70
100	0	0//	13 : 20 S "N	83° 81 · 21.	M <sub>u</sub>	9	6.2	2160	5020	3736	CHO

Net Placement/Site Description:

Capt Net/	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	<b>M</b> (a)	RFA (mm)	Belly (F/M/E)	Wing Index*	Comments Picture # /Guano/Hair Sample
9	LOSINGES PERPOTS	21/18	1	4	70	12/2	57.7	1.1.	C	W
NAN	Establica fusions	2/20	>	2	4	12,2	43	7	0	2003
E CE	F. Suspens	200	>	I	<	6.01	43	E	C	K1/A
10	かいないないないの	2125	3	Σ	<	0.0	3/2	14	C	2005
20	L. Mostration L	2/25	A	17	ā	7.0	370	H	C	N.M
	E. 1985	2215	Ad	H	bild	6.61	9/1	2	) —	Startles waterland &
A L	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2215	Ad	2		00	77.7	2	C	T/N
00	Arsas	2025	3	(1	dz	57.8	9/0	17	0	NA
					-					

\* Refer to table on the back Reproductive Condition Female = NR/PG/LPL, Male = 7/4

Page 1 of ≥



# BAT CAPTURE DATA (continued)

	mple					-													(splotching)	with coat feeting	exhibits some	isolated holes	tagium and/or	W
N N	Comments Picture # /Guano/Hair Sample	NA	347-353	N/A	NA	Stating	NA											Description	No damage. Fewer than 5 small scar spots are present on the membranes into damage. East than 50% of flight membrane is depigmented (splotthing).	which is often visible only with translumination	Moderate damage. Grader man 50% or wing Internua are covered will see a second (Splotching). Searming is visible without translumination. Membrane exhibits some newner, its sue and possibly lew small holes («Cl.5 orn diameter). Forearm skin may	be flaking and discolored along the majority of the forearm	Heavy damage, Leferfordred wing frentionaire and frention based. Institute and 2-90,5 cm are present in membranes. Necrobs or receding plagopalagium and/or chironatenium are evident.	Page 2 of
Initials: E.E. S.C	Wing Index* (0-3)	<		0	0	_									to College			-	-	which is often vi	(splotching). Sc	be flaking and d	Heavy damage. Deterloral >0.5 cm are present in mer chiropatolium are evident.	
Initi	Belly (F/M/E)	17	I	1	N	11	1.1											Score	0	-		2		
	RFA (mm)	45	30	47	54	46	141																	
	(a) Wt	V 20	2.0	23.87	6	70%	20.7		1						1					,				
	Repro. <sup>2</sup>	1->	<	0	12	70	72	1					1		<u>i</u>									
71	Sex (M/F)	101	2	177	U	4	1		1					1				† 1 m		1=1	1.7			
Site Name/#:	Age	E A	2	RV	>	PY	P		1						1						q		ed with difficulty	
Site N	Time	0000	VIVO	LANG.	CAME	100	0.500					1			1	-			nog		wind varies varie moved by win	nd extends light flag are moved	elets on inland wate iistle, umbrellas use	ing against wind gress
70	Species	Supplied of the Child	The State of the S	Compagnition	To South		E fusions						1						Visible Condition	Smoke need vertically	Direction of wind snown by smoke but not by wind vanes Wind lett on face: leaves rustle, ordinary wind vane moved by wind	Leaves and small lwigs in constant motion, wind extends light flag.  Description and loose names small branches are moved.	reases una notation to sware, crested wavelets on inland water Small trees less the begin to sware, crested wavelets on inland water Large branches in motion. Belephone wires whistle, untrellas used with difficulty Large branches in motion. Belephone wires whistle, untrellas used with difficulty	Whole trees in motion, inconvenience in walking against wind Breaks twigs off trees, generally impedes progress
20.0Fc	ë	1		Scellin.		-	41			¥-					-	-			Description	i i	Light Air Light Breeze	Gentle Breeze	Fresh Breeze	Moderate Gale Fresh Gale
Project #:	Capt Net	* 4	75	- 6	14	0 71	-in				e i		1			7	21		Wind Speed	(udm)	1.3	8-12	19.24	32.38



Comments



## BAT CAPTURE DATA

					W	<b>WEATHER DATA</b>	
Project #: 200	Date:	The Brown	Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)
-		No.	20100	2.38	0	1	30
Project Name:	and the same	10 111	21.80	28.0	0	1	-020
State: C	County: Sene	10	2000	W.	100	07.2	O.
No. of			2000	126	10	19 - 2	3
Diologists.			2300	3.5	p.o	30 7	F,
Site name/#: +			23	300	700	2	100
7000			2.7	2 10	200	(N-1)	-
GPS UNIT#: 17 0 40		Camera #:	00000	The second	100	37	
			20,750	20.00	Ĭ,	3-1	90
	MOON PHASE*		08.30	DE. 20	TV	100	
New moon	Waxing crescent	First quarter					
Waxing gibbous	Full moon	Waning gibbous					
Last quarter	Waning crescent						
Net/Trap/Anabat					Length Height	Time Un Time Down	na Down

Net/Trap/Anabat #	Net/Trap Type1		Latitude			Longi	Longitude	Length (m)		Height (m)	Time Up	Time Up Time Down	Picture #
4	10.07	1 . 17	3 . 19	N. F	83 0	. 10	M. A	-	H	a -	NA PA	3000	3025
4	MAN	6 0 13	. 6	N.	830	. 10	25.6 "W		8	0	3535	07.70	3 034
C	SS	7/0/1	. 19.	N. h	0 20	10	N. 8.68		20	0	3000	15155	3033
let Placeme	Net Placement/Site Description:	7 13	20.5	2	53	01/10	21.6	N. S.		0	15/100	OBED	3036
Capt Net	w	Species		Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index*		Comments Picture # /Guano/Hair Sample
23	10000	24.00	8/50	STATE	AN	U	MR	10	-	13	0		

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	(a) (v.t	RFA (mm)	Belly (F/M/E)	Wing Index*	Comments Picture # IGuano/Hair Sample
	239	Marie sole species	STEE	35	a.	MR	10	-	10	O	
	2	torons tons	3236	14.4	(A	70	20.5	1	A	-0	
		Marks Same Surello	30	TW	VL.	NR	1.7	10	1	.0	
	d.	18 200 Company 185	7355	1	led	NR	50	36	M	40	
	6)	E Brown S	2334	A.A.	14	10	2 67	15	W	100	
100	13	S - 2 - 2	2330	AST	111		156	20	127	100	
	60	he served and a served	00 10	44	H		17	20	W	D	
	=15		2000	AN	E.	-	13.0	8	A	0	
	-50	I FISCHEL	3	10	11	5000	17.7	100	X	0	
h	ço	(t)	13000	Port	14	700	21.3	2	N	17	

· m = Monottiament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back

<sup>2</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓



Project #:

# BAT CAPTURE DATA (continued)

Projec	Project Name:	e: Legisland Comment	Site	Site Name/#:					Ξ	Initials:	
capt #	# Ket	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
177	V	E. Laksins	8	17.1	4	N.	25.57	6.5	Vi	35	
1	N	Mucho lucificara	2000	MA	¥0	24	1 1	80	4	2	2553-3553
42	H	The second	000	6	Ž	N.E.	19.00	705	1	77	
1	9	M. Loci Rect	SIR SIR	67	14	18	151	3/2	Ä	9	
10	V	M. Septembrianals	alsisse	1831	121	6	000	Iş	14	20	
17	1	-1	0000		1-5-	7/4	199	-2	V.		
F	18	18	P. S	300	H	361	120	517	D	5	
9	EY	Tarinital Cultilling	30.00	70	K	137	247	77	17	-	2000 - CABS
	- 2	E 55. 15	30.00	70	Ų,	135	1 11	17	77	3	
			*								
		Regulfort Wind Spale				20101	2010 Lunar Dhacos	,			Wind Indon Van

a	
-	
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Scale	
T	
Wind	
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-	
Beaufo	
7	
Q.	
Œ	

(mph)	Description	Visible Condition
	Light Air	Direction of wind shown by smoke but not by wind vanes
	Light Breeze	Wind felt on face: leaves rustle; ordinary wind vane moved by wind
	Gentle Breeze	Leaves and small twigs in constant motion; wind extends light flag
	Moderate Breeze	Raises dust and loose paper; small branches are moved
U	Fresh Breeze	Small trees in leaf begin to sway; crested wavelets on inland water
	Strong Breeze	Large branches in motion; telephone wires whistle; umbrellas used with difficulty
	Moderate Gale	Whole trees in motion; inconvenience in walking against wind
39-46	Fresh Gale	Breaks twids off trees, generally impedes progress

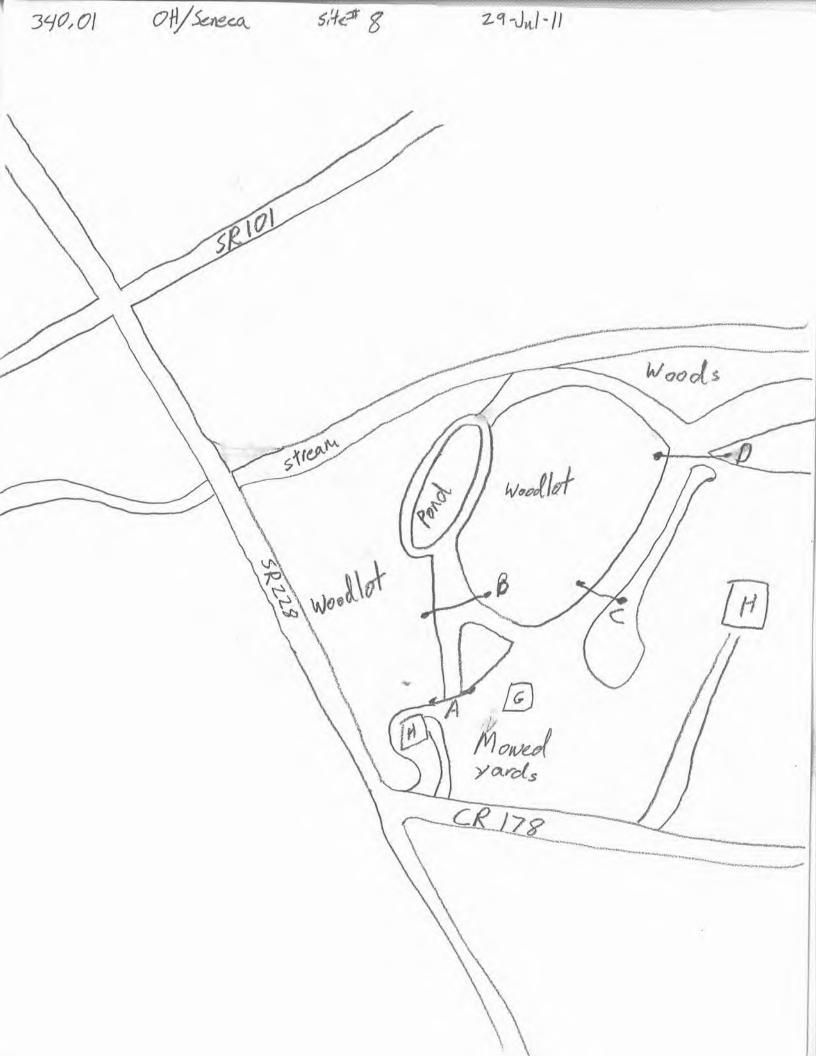
### 2010 Lunar Phases

New	First Quarter	Full	Last Quarter
Feb 13	Mar 23		
Mar 15	Apr 21		
Apr 14	May 20		
May 13	Jun 18		
Jun 12	Jul 18		
Jul 11	Aug 16		100
Aug 9	Sep 15		1100
Sep 8	Oct 14		
Oct 7	Nov 13		

### Wing Index Key



Project #: 340-01 Date: 29-141-11 Biologists: J.Basigel
Project Name: Republic Site Name/#: 8
State: OH County: Seneca USGS Quad: Watson
Camera #: \( \frac{\curlent 67}{\curlent} \) Picture #s: \( \frac{985-989}{\curlent 985-989} \)  Latitude: \( \frac{97}{\curlent 97} \) \( \frac{13}{\curlent 92.7} \) N  Distance to closest water source (meters): \( \frac{50}{\curlent 985-989} \)  Water source name: \( \frac{NA}{A} \)
ESTIMATED WATER SOURCE CHARACTERISTICS (IF UNDER NETS): N/A
Bank Height:meters Channel Width:meters Stream Width:meters
Substratum:BedrockBoulderCobbleGravelSandSilt/Clay
Still Water Present (Y/N): Average Water Depth:m or cm Clarity (H,M,L):
VEGETATION:
Dominant Canopy Species (> 40 cm/16" dbh)  Car ya a Vad  Subdominant Canopy Species (< 40 cm/16" dbh)  Acr rubrum
Acer rubrum Fagus grandifolia
Quercus palustris Carra auata
Estimated dbh range: Lg: Sm: Estimated dbh range: Lg: Sm:
Relative abundance of dominant vs. subdominant (ratio): 1.50
Estimated canopy closure:ClosedModerateOpen
Roost tree potential consists of:Large TreesSnagsBothNeither
Roost tree potential for the area is: HighModerateLow
Roost potential comments: Large trees ove tight bark
Subcanopy clutter:ClosedModerateOpen
Subcanopy comprised largely of:
Common Subcanopy Species:
Habitat Description: Mowed yard, sloped forest down to pond and stream
Check all that apply:





## BAT CAPTURE DATA

Project #: 340,01

Date: 29-July-11

Project Name: Republic

County: Seneca State: Off

Biologists: J. Bedge Site name/#: 8

GPS Unit #: 46 56 70

Camera #: Can 6

### MOON PHASE\*

Waxing gibbous Last quarter New moon

Waning crescent Waxing crescent Full moon

Waning gibbous First quarter

		A	<b>WEATHER DATA</b>		
Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
00	24.6	\		0	
2130	24.1	1	1	0	
92	23.7	χ	(	0	
3230	72.4		1	0	
2300	222	1	1	٥	
2330	12	1	\	Q	
8	500 22.5	1	1	0	
030	1221	1	1	0	
00	27,2	1	I	0	
130	21.9	1	١	0	
20	21.9	1		0	
-	1				
H					

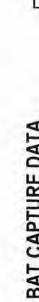
Net/Trap/Anabat	Net/Trap Type <sup>1</sup>	Latitude	Longitude	Length (m)	Height Tir (m) (00	Time Up Time Down (0000 h) (0000 h)	n Picture#
A	N	41. 13 . 427 N	0	9		35 0200	586
8	N	N. 836 . El . 15	~	10		40 0205	
V	N	N. 666. E1 . 16	W. 5.25. O . 50	0		0120 5%	
0	Now of	118 13, 16.811	830 0 52,7"	7 2	20	50 6215	

Net Placement/Site Description.

Capt #	Wet #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	¥ (b)	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	9	Myoras septentrionalis	2205			70	225	35	M	0	953
7	A	Entesions fuscas	2215	Ad	£	>	125	76	Y	0	556-658
M	8	fuscus	2250	70	u	NA	17,25	35	U	0	
5	90	E.f. sells	2250	Ad	₹	1	17.5	43	M	0	
4	Q	Lasiwie borealis	0000	M	B	70	14.50	1.6	Z.	0	962 -967

M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap, A = Anabat • Refer to table on the back

\* Reproductive Condition: Female = NR/PS/L/PL, Male = 1/4





Project #:			מועם שווים ועם ועם	21001						>	<b>WEATHER DATA</b>	4		
Camera #: CanC7   Camera #: CanC7   Converged to the control of th	Droiget #	8	Date	1-1-1-1			Time (0000 h)	Temp (°C)	Wind St (estimated – s	see chart)*	Wind Direction: From to		oud timated)	Comments
Camera #: Can 67   25.2   0   0   0   0   0   0   0   0   0	and and	11				1	,	272	(		(	0		
Camera #: Caw 67	Project Name:	Properties.				4		25.8	١		1	0		
Camera #: Can 67    Camera #: Can 67    Camera #: Can 67    Cal 00 23.6   Cas 23.4   C	State	County	e Sandra					25.2	1		1	0		
Camera #: Can 67    O100 23.6   O130 23.4   O130 23.							20		177			C		
Camera #:	Biologists:	S40 1905	MALLER					0.00				0		
Camera #:	Site name/#:	8						6.83				0		
Camera #:	1	01111		(	140		90	er Hi				0		
COON PHASE*         O150 23.4         CO150 23.4           axing crescent aning crescent         Waning gibbous         Length         Height         Time Up Time Down           4/° /3 · 4/2/7 "N         8/3 ° O · 5/36 "W         6         2.030 0/50 /985         9/85           4/° /3 · 4/3 ft "N         8/3 ° O · 5/32 2 "W         6         2.035 0/50 /985         9/85           4/° /3 · 4/3 ft "N         8/3 ° O · 5/32 2 "W         6         2.035 0/50 /985         9/85           4/° /3 · 4/3 ft "N         8/3 ° O · 5/32 2 "W         6         2.035 0/50 /985         9/85	SPS Unit #: 7	102010	ŭ	amera #:	1/94	- 7	1000	713 to 1	-	03		0		
COON PHASE*         OISO 23.4         COS 23.4							010	23,6			1			
axing crescent First quarter Waning gibbous aning crescent Latitude Longitude (m) (m) (m) (0000 h) (00		2	OON PHASE*				0130	23,9	1		1			
moon	New moon	3	axing crescent	First a	larter		mai	23.1	1		1			
Latitude Longitude (m) (m) (inne Up Time Down (m) (0000 h) (00000 h) (0000 h) (0000 h) (0000 h) (0000 h) (0000 h) (0000 h) (00000 h) (0000	Waxing gibbou Last quarter		all moon aning crescent	Waning	snoqqib (									
Latitude Longitude (m) (m) (m) (inne Up Time Down (m) (m) (m) (0000 h) (000														
91 . 13 . 42,7 "N 83. 0 . 556 "W 6 6 2030 0150 11 . 13 . 43,8 "N 83. 0 . 52,2 "W 9 9 2040 200 9 91 . 13 . 46,8 "N 85. 0 . 52,2 "W 9 9 2040 200 9	et/Trap/Anabat #	Net/Trap Type <sup>1</sup>		atitude			Longitude		Length (m)	Height (m)		-		Picture #
41 13 468 83 0 52,7 W 6 6 2035 0155 41 13 468 83 0 52,7 W 9 9 2010 200	A	N.	81.16	. 42,7	7	330	53.0	W. S	9	3	2030 0	1/50 %	582	
41 13 46.8 83 0 52.7 "W 9 9 20400200	Q	N	41.13	. 43.8	X	100	5	W 87	a	9	2035 0	55%	200	
11 13 46.8	V	1/	41.13	15 60		300	52.	M. Z/	2	6	20400	71	36	
	Net Discement/9	Sife Decription	13/13	8.9%	00	2	25 5	1	12	2	5/02	505	63	

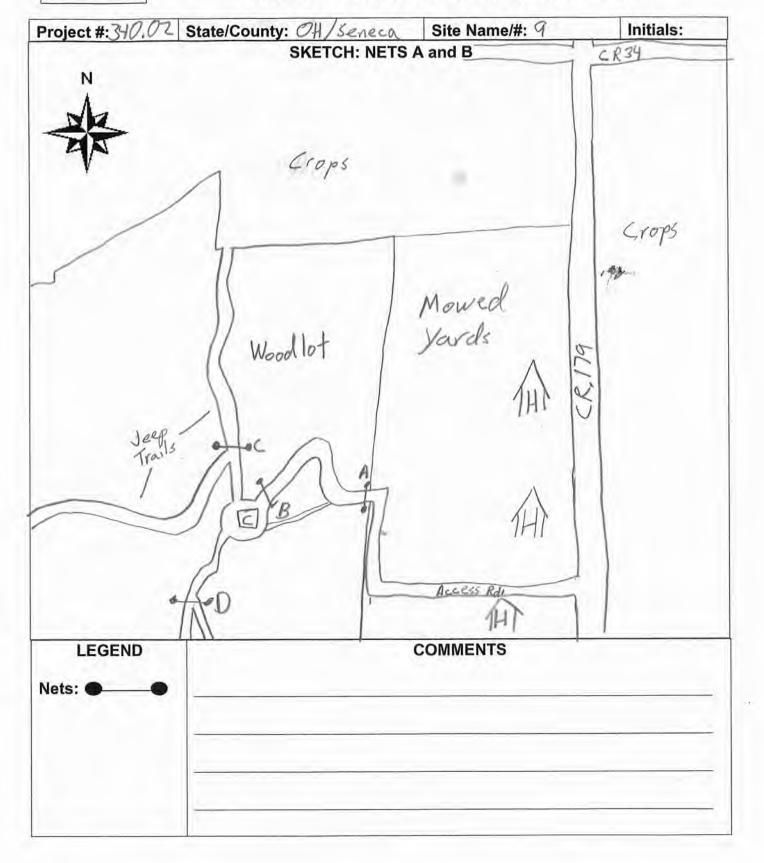
Capt #	# Wet	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	¥ (6)	(mm)	(F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
1	U	Myoths septentionalis	2130	70	7	NA	575	30	W	0	
	0	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	3								
	U	With the second	2000	()	Ų.	282	1,	1	L	0	6666-1666-6
-	13	Remarks and mark		150	73	<b>\_</b>	13	17%	100	6	13-0989 0195
1	1	17				5		27	U.,	61	
	0	Mar	15/5/	P		71.1	7.5				1000
					-			ž.			
					-		+	7	*	-	
		And the second of the second o	i.	1				1			
1= Mo	nofilamer	M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap, A = Anabat	A = Anabat	Rei	productive Co	Peproductive Condition Fernale = NP/PG/L/PL, Male = 1/4	= NP/PG/L/F	Male = 1	·		1 1 1



Project #: 340.02 Date: 17 July 2011	Biologists: Verent Roms
Project Name: Tetratech Republic	Site Name/#: Site 9
State: OH County: Sene co	USGS Quad: Fireside
Camera #: Picture #s: 874-877  Latitude: 1/ ° /4 ' O T "N  Distance to closest water source (meters): 150  Water source name:	GPS Unit #: Waypoint #:
ESTIMATED WATER SOURCE CHARACTERISTICS	(IF UNDER NETS):
Bank Height: N/A meters Channel Width: N/A	A_meters Stream Width: NA meters
Substratum: Bedrock Boulder Cobble	GravelSandSilt/Clay
Still Water Present (Y/N): Average Water De	epth: Mm or cm Clarity (H,M,L); Mm
VEGETATION:	
- TO THE STORY OF THE POINT OF THE POINT OF THE TOTAL OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF T	dominant Canopy Species (< 40 cm/16" dbh)
Aces rubrum H	leer rubrum
Carya ovata	
Estimated dbh range: Lg: 55 Sm: 40 Estin	mated dbh range: Lg: 39 Sm: 10
Relative abundance of dominant vs. subdominant (rati	o):_/;50
Estimated canopy closure:Closed	ModerateOpen
Roost tree potential consists of:	sVSnagsBoth Neither
Roost tree potential for the area is:High	ModerateLow
Roost potential comments: Large Carya ovata	
Subcanopy clutter:Closed	ModerateOpen
Subcanopy comprised largely of: Lower Bran Canopy Tre	
Common Subcanopy Species:	
Habitat Description: Malure mass weedst	
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland Forest	Crop/Pasture LandShrub/scrub Swamp Stream/RiverVernal Pool Emergent WetlandDeepwater Lake/Pond Forested SwampOther/



### NET SITE HABITAT DESCRIPTION (continued)



## BAT CAPTURE DATA

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)

**WEATHER DATA** 

Comments

Cover (estimated)

(estimated - see chart)\* Wind Speed

(°C)

(xxxx h) Time

0.00

13

100 50

S

Camera #: 0%209 County: Sures Secure Site name/#: Date: Rawdille Project Name: Tetratical GPS Unit #: 674 015 Project #: 34/0.02 Biologists: \ Barart State:

Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #		Latitude	Longitude	Length (m)	Height (m)	Time Up (xxxx h)	Time Up Time Down (xxxx h)	Picture #	Waypoint #
107	4	0	N. 180 . 1	W. 5.84 . P. S. S. S. W.		9	2100	0200	7	09A
+37	72	0	N. 89 . D.	0	0	6	2088	15	100	200
13	X	0	Z. 15 . J	00	0	0	2050	9519	018	090
107		0	N. C	120	5	(2)	SING	>100	100	(180

Capt Net/ # Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	ğ ğ	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
0	Derimplies saltavas	2125	A	Z	4	00	33	4		
0	Mucha Sandardional	(8)	37	I	フ	P. «	33	(1)	C	0.217
A	Torringtic Sublatus	213	40	2	<	100	32	A	0	0216
2 4	N. SUNFOTTIONS	12 X3	401	U.	Z	10	360	(T)	0	Parties on which are
0	Sales Autority	2136	Y	2	7	17.1	175	Z	C	0218
5	T. Fixens	2150	Y	H	5	15.2	1775	(1)	)	1/4 1/4
14	THE ALCONE	22	PA	Ü	10	1	40	H	N	Many Neg Street
P	F Jugais	200	No.	2	181	C W	N. C.	2	0	₹2
D	1 - T	812	Ari	2	N. J.	77	5/7	17	C	21/14

1 Reproductive Condition: Female = NR PG L PL; Male = ↑ ↓ \* Refer to table on the back

Page 1 of 🧷



# BAT CAPTURE DATA (continued)

Proje	Project #:	340.02	25	Date:		July	201					
Proje	Project Name:	1	Wholesch Republic	Site N	Site Name/#:	01	1000			Ini	Initials: VB.	312
Capt #	Net #		Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (a)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
(	V	TANGE.	Man Graning	2200	3	2	4	18.2	45	7	0	¥2
) = 0	Z			2210	To	1		20	45	7	0	Small tran an last was
0	4	· (TT)	500	2210	th	17	À	24.9	817	17		100 110
100	V		- Cherch	2220	tof	11	70	8.0	45	4		Maked Stars
1	0		F. Luban 3	2820	Pa	4	J	19.0	17/17	I		March 0220 - 3221
To	en en		- 42500 E	2220	A	L	13	17.7	7	1	0	- Constant
160	8	8	ar amble addices	2220	3	L	2	li	2	W	0	Z/A
0	0		L. Lusans	2530	Ad	Σ	>	16.0	16	IL,	0	*2
18	0		F. Alsan	88	2	5	W.	185	45	Z		大人
157	(2)			2330	Z.	Ш	7	191	470	U.	0	\$2
CONT	0	4	T. Jakene	7280								Frank Int
7	108	17.71	mark and the contract of the c	2230	17	IT	707	6.85	(M)	U	C	A.
000	ia			2330	AN	u		139	4/6	ı	0	N/A
000	V		1	787	E	Ш	7	8	1/2	П	7	Scarcing 4 sams
3.5	4	ti	F. 40501S	2835	AN	2	123	157	17/7	IT	0	N. W.
8	X		F - FASSON	2840	3	L	N/K	4	45	П		A/N
18	(		No. Tr. C. W. C.	00000	3	1)	ZZ	7.0	6	Σ	0	5//V
27	a		- Fluctions	000	Rd	Ш	-1	202	177	11		2 20 Miles
29	0		M SUPPLIATION A	COAS	Act	11	a	100	8	Ш		
		1	3							Score	H	Description
Wind Speed (mph)	h)	Description	Visible Condition			3				0 -		No damage. Fewer than 5 small scar spots are present on the membranes Light damage. Less than 50% of light hembrane is depigmented (splotching), which is refer visible only with translumination.
1-3	mr	Light Breeze	Smoke flees verdically  Direction of wind shown by smoke but not by wind vanes  Wind felt on face, leaves rusbe, ordinary wind vane moved by wind	nd vanes							Moderate damag (splotching). Scar	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (Splotching). Scarring is visible without translumination. Membrane exhibits to take many in the without translumination. Membrane exhibits many many insign the scar for minimum or the scarring insign of the scarring insig
13.18	7 to 12 to	Moderate Breeze Fresh Breeze Strong Breeze	Leaves and sinal limits in Constant notion, who extension may Raises dust and loses paper small branches are moved. Small trees in leaf begin to sway; crested wavelets on miland water large motion; leelphone wires Whistle unforelast used with	e moved ets on inland water tte, umbrellas used	with difficulty	41				2		be flaking and discolored along the majority of the forearm.  Heavy damage. Deteriorated wing membrane and necrobic tissue. Isolated holes >0.5 cm are present in membranes. Necrobic or receding plagiopalagium and/or
32-38	38	Moderate Gale Fresh Gale	Whole trees in motion, inconvenience in walking against wind Breaks Iwigs off trees, generally impedes progress	gainst wind						8	chropatagium are evident	Page 2 of
Ċ	4		E features	0200	Ad	Ž,	->	63	47	U	0	
	1		F Pustes	0000	Act	M	4	17.8	30	Ш	0	11

Comments

Cover (estimated)

(estimated - see chart)\*

Temp (°C)

Time (0000 h)

6

C

3330

301

10 1.84

% Cloud

**WEATHER DATA** Wind Direction: From to 2000

17/01 15973 800

500%

0

0000 0/00



## BAT CAPTURE DATA

Date: 20 T11 2011 Camera #: Co. Synoco Prou will GPS Unit 表 155 Yes Shirt County: Bosso Project #: 346.61 0 かっ Project Name: Site name/#: Biologists: State:

**MOON PHASE\*** 

Waxing gibbous Last quarter New moon

018/5 Waning gibbous First quarter Waning crescent Waxing crescent Full moon

7 4 2000 874 / WOT 974 / W	Net/Trap/Anabat	Net/Trap Type <sup>1</sup>	Lafitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)		Picture #
410 H .080 "N 820 59: 52.5"W 9 9 4 2000 575 1 39 410 10 10 10 10 10 10 10 10 10 10 10 10 1	A	W.E. "	N. 9 35. M M	· 00 .	6.1	9	BAR			1 WOF 09A
141° 141° 141° 154° 54" 542" W C 1 6 JUVO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S	121	N. 0 80. H . 17	82.59.59W	6	G.	2450		875	1 29 13
potion: were across on world as said stated my from some thurs in word at	(A)	N.E.	0	Mut 15 , 55 088	3	9	SUL		878	J 88C
	Net Placement	VSite Description	11 0 14: 0,70'	13/18/26/18/18/18/18/18/18/18/18/18/18/18/18/18/	S. S. S.	7380	DSC TOUR	IS I'M WA	DE REL	080

Capt #	wet #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	9	Lastiums latter s	3116	1	Σ	4	/	5	נע	0	
N	A	Epterleus fuscus	2120	Kld.	W	>	15,25	2545	M	0	
W	T	1. breaks	2125	Hol	W.	1	873	37	M	0	
1	0	No	2/36	10	W	K	0.9	36	M	0	
10	2	A Company of the	2130	1/2	N	2	53	36	M	0	
6	0	E Greens	2145	10	4	13.A	3.5	54	N	0	Frey (72,239)
1	57	E. Color	2200	ACL	I	4	(5,75)	97	Σ	0	, d
20	00	A BISCUIE	2210	Ad	R	12	21.75	23	N	0	
6	0	Efuscus	2210	Ju	W	4	13	63	M	0	
100	0	Erfuscas	2210	Ad	T	78	(8,5	43	T	0	

<sup>2</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑\\L <sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back



Project #:

# BAT CAPTURE DATA (continued)

Date:

Proje	Project Name:	ie:	Site	Site Name/#:					lu lu	Initials:	
Capt #	» wet	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
1)	S	E. Fuscos	22(0	13	Z	<	0.61	7/5	L	0	
(2)	0	L. Ferrens	2210	5	57	¢	13.0	25	101	0	R-10
~	8	I. Paseus	220	Ad	W	7	0.81	52	()	0	7
15/	¥	E. Fusily	22:20	101	14.	2	18.75	32	Z	0	
15	K	E. Lublus	22,20	Act	L	78	21.75	6.6	T	0	
2)	×	E. Fuscus	22,20	Ad	Ц	PL	0.8	85	S	0	Aces from 1 1/2 /
17	Y	E. Pascus	22,20	A	Z.	F	18.5	23	E	0	
50	K	E. Fusins	28.50	75	M	K	13,0	5	W	0	
63	8	Mystis Septentionalis	22,20	Acl	N	72	2.25	35	N	0	
20	K	E. Fastus	22.50	Ad	Z	*	(5.5	13	U	0	
2	Y	E, fiscus	22.50	A	Z	Y	0.9)	5/5	N	0	
۵	V	E fusin	04.2	T	M	*	5231	29	¥	0	
23	U	Permits subfauts	01:10	30	M	<	0%	35	M	0	
25	24 8	- 4	OKIO	AR	u	2	1875	34	A	0	
8	Ø.	The comment of the	220	9	2	5	1	1	117	0	
		Clark Mind Carl				10000	Č				1446 - 1-4-1

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Wind Speed (mph)	Description	Visible Condition
0	Calm	Smoke rises vertically
1.3	Light Air	Direction of wind shown by smoke but not by wind vanes
4-7	Light Breeze	Wind felt on face; leaves rustle; ordinary wind vane moved by wind
8-12	Gentle Breeze	Leaves and small twigs in constant motion; wind extends light flag
13-18	Moderate Breeze	Raises dust and loose paper, small branches are moved
19-24	Fresh Breeze	Small trees in leaf begin to sway; crested wavelets on inland water
25-31	Strong Breeze	Large branches in motion; talephone wires whistle; umbrellas used with difficulty
32-38	Moderate Gale	Whole trees in motion; inconvenience in walking against wind
39-46	Fresh Gale	Breaks twigs off trees: generally impedes progress

## 2010 Lunar Phases

Vew	First Quarter	Full	Last
Feb 13	Mar 23	Mar 29	Apr 6
Mar 15	Apr 21	Apr 28	May 5
Apr 14	May 20		4 mg
May 13	Jun 18	Jun 26	Jul 4
Jun 12	Jul 18	Jul 25	Aug 2
Jul 11	Aug 16	Aug 24	Sep 1
Aug 9	Sep 15	Sep 23	Sept 30
Sep 8	Oct 14	Oct 22	Oct 30
Oct 7	Nov 13	Nov 21	Nov 28

### Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumnation.
2	Moderate damage. Greater than 50% of wing membrane covered with scar fissue (splotching). Scarring is visible without translumination, Membrane exhibits some necrotic tissue and possibly few.gmall holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the fixearm.
	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiograpgium and/or othionaltantim are evident.



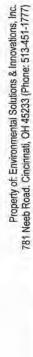
Project #	: 340	Date	:7/19/11	Biologist	s: A. Knie	uski,	M. form
			7 1	Site Nam	e/#: 10	,	
	Name:				ad: Fire	side	a
State: / Net/Trap/	Net/Trap/	unty: Soule	tude	Longitu		Picture #	Waypoint#
or AnaBat	AnaBat Serial #		47,8 "N	97 · ca ,	41.8 W	269	10a
A	Net	41 0 13	48.0 N	82.59	42.8"W	870	106
B	Net	41 . 13	485 "N	82.59	44.3"W	8,71	100
5	Net		48.9 "N	82.59 .	46.0 "W	872	101
Distance	1.0	er source (meter	rs):	Type	of water sour	ce: 54	realis
	ource name:	3075-01-0					
CCTIMA	TED WATER S	OURCE CHAR	ACTERISTICS (	IF UNDER NE	TS):		
Develo LI	inht a a	neters Chann	nel Width:	meters St	ream Width:	4 met	ers
Bank He	eight:n	icicis Challi	// Cobble	Gravel	Sand S	Silt/Clay	
Substrat	tum:Bedro	ockBoulder	r <u> </u>	the // mar	cm Clarity	(H.M.L): /	1
		1):/_ Ave	erage Water Dep	out. <u>(//</u> itt of (	Clarity	(: -)(	
VEGET.				Subdominant C	Canany Space	ies (< 40 c	m/16" dbh)
Domina	nt Canopy Spec	cies (> 40 cm/16		What S	anopy Spec	100 ( - 40 0	in io deli)
Acer	CA15 47	8 F 11 1/12/1-		12 1 PH 12 23	1 14 14 14		
200	ans 21	980	-				
Roost t	ted canopy clos ree potential co tree potential for	ure: ensists of: r the area is:	ubdominant (ratio <u></u> Closed Large Tr High		Modera Snags Modera	-	_Open _ Neither _Low
Roost	potential comme	ents: Tight I	park		20 10		_
	nopy clutter:		Closed		Modera		_Open
	nopy comprised	largely of:	Lower B Canopy	Branches of Trees	Sapling	js _	_Shrubs
Comm	on Subcanopy	Species:	U 10 42 1 4	Live			
00	-,,,-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	QCCCCIII					1. 7.
Habita	t Description:	This of 3	Sicial Ch	10 5/1000	m/ 1016/a	nd for	25/ 5/1
	1113						
	at Habitat: <u>/////</u>						
Check	all that apply:	ost Recen	itly Logged Fores	st Crop/F	asture Land		Other
	ure Upland Fore	and the second s		✓ Stream	n/River	_	
- Mat	ture Lowland Fo	rest Woodl	lot	Vernal		and —	
You	ing Lowland Fo	rest _Old Fig			vater Lake/Po	JIIU	
	iceous Cover:	Sparse	Moderate	Dens	se		
	April 2011			A			



Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)

### **NET SITE HABITAT DESCRIPTION (continued)**

Project #:340,01	State/County: OH/ Seneca	Site Name/#:  0	Initials:
	SKETCH: NE and AnaBa		
N			/ 1
TAK	7 105		
A	(0)		
/	/		75
	Low (and)	forest age/donsity	
	maderata	age/glensify	
	7.00	01	
	r et-i	.69	
		1	1
	0	// /	100
Posl	Logs LGream	) b-	
100/		~(=2	3
Ne		5	
0	0		
3	e Set.	7	
LEGEND		COMMENTS	1 4
Nets:			
		1	





### BAT CAPTURE DATA

13 Date: 17 July 1 Camera #: 🖉 🗈 County: Sen 100 Republic Basson 15/2/2/3 Project #: 340.01 Site name/#: 10 Biologists: Project Name: State: 0 H GPS Unit #:

MOON PHASE\*

Full moon Waning crescent Waxing gibbous

Last quarter

New moon

First quarter Waning gibbous Waxing crescent

											-	$\neg$	T	
	Comments													
	% Cloud Cover (estimated)	D	0	0	0	2	15	0	0	0	0	0		
WEATHER DATA	Wind Direction: From to	1	I	1	1		Ţ	1	1	}	1	)		
M	Wind Speed (estimated – see chart)*	1	1	1	1	1	1	Ì	1	1	1	1		
	Temp (°C)	26,9	26.5	500	20.3	000	0.20.0	25.9	7.5%	25.4	- 15	8 76		
	Time (0000 h)	21.80	00/00	SAM	25.30	2300	3830	COOP	0500	MAN	8130	6200		

Net/Trap/Anabat	Net/Trap Type <sup>1</sup>		Latitude	Ē	Longitude	Length (m)	Height (m)	(0000 h) (0000 h)	(0000 h)	Picture #	
Ø	大公	8/0/6	N. 876 .	82. 39	8118	10	30	2095	1308	678	
£	Fru	91.13	N. 086.	82.59	W. 877.	9	0	2050	7205	870	
	*XXX	81.15	N. 5.3	82.59	143	0	9	2055	5210	871	
Net Placement/Site Description	Site Description	13/ 13	48.9	82 59 9	46,0	4	io.	0012	5120	218	
Not Not	and man and			And Sax	Sex Repro 2 V	Wt RFA	Bellv	Belly Wing Index*	*	Comments	

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	A	Ephsicus fuscus	3350	Ma	M	7	18,73	36	H	0	
-1	U		22%0	Ad	T	70	21,5	44	W	0	
1	U	N	9330	RI	W	7	17.75	43	M	0	
	V	и	0.00	Ad	4	9	21,75	94	T	0	
1	U	Lasurus Lingralls	3830		M	1	22,75	35	W	0	DIC# 845 800
0	0		3330	Ad	W	~		35	M.	0	
1	Q	D WENTSONG	28.30	A	I	4	5	33	Σ	0	Pre- 850 851
F	0	E. PASON	39.30	AC	14	78					
5	E	t Plasous	983¢	Ach	1.5	7					
3	0	PASCUS	0880	Acl	14	78					

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back

Tet H

Chot

Property of, Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)

Comments

% Cloud
Sover (estimated)
30%
30
20
20

Wind Speed (estimated – see chart)\*

Temp (°C)

Time (xxxx h)

**WEATHER DATA** 

00

0

m m

2320

2250

00

00

2019

2020

2120

0

0

0

0

22.4

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ESI

## BAT CAPTURE DATA

 Project #: 340
 Date: 7/19/11

 Project Name: Republic
 Site name/#: 10

 Biologists: A favorable
 Site name/#: 10

 State: D. Gounty: Sancor
 County: Sancor

 GPS Unit #: 46.5671
 Camera #: 671

230

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Net/Trap/ or AnaBat 3 3

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V. 28.5 "N

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## Net Placement/Site Description:

Capt Net/ # Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
Δ	2. 50b	9870	30	7	30	6.6	18	m	0	
Θ	E Lisons	0110	PT	c).	12	17.3	17-	M	0	
Ω	E.fus	23.22	10	c,	THE STREET	1912	. K	11	B	
O	D. 506	2223	A.	4	S.	518	36	4	è	
Ų	16 600	25.28	7	13	N.	7.0	38	12	1	
(21)	500	22.30	16.31	4	(E	LA	917	101	A	
Δ	E. Aus.	2138	Ash	4	-)	202	70	17	*	
ď,	M. Se.	54.23	1	4	a d	11	1/1	20	ó	
(3)	pr 560	7320	1007	4	N/N	4	19	200	k	

¹ Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓ \* Refer to table on the back



# BAT CAPTURE DATA (continued)

Picture # /Guano/Hair Sample Comments Initials: Wing Index\* (0-3) Belly (F/M/E) N 3 U 111 W. RFA (mm) 25 7 12 51.0 51.6 ST. ₩ (g 8 Repro.<sup>2</sup> 3 Sex (M/F) 6114 11 Ž, U 劜 Age (Ad/Jv) Site Name/#: Date: 5000 503 010 10 100 011 Time -6 reve Species 0 Project #: 340 Project Name: Net \* 4 9 Capt # F

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
**	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splocthing). Scarmg is visible without transfurmation. Membrane exhibits some necrobic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be fishing and discolored along the majority of the forearm.
6	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or chiropatagium are evident.

Leaves and small brigs in constant motion, wind extends light flag
Raises dust and loose paper, small branches are moved
Small trees in leaf begin to sway, crested wavelets on riland water
Large branches in motion, elephone wires whistle, unbrellas used with difficulty
Whidle trees in motion, inconvenience in walking against wind
Breaks brigs off trees; generally impedes progress

Calm
Light Air
Light Breeze
Gentle Breeze
Moderate Breeze
Fresh Breeze
Strong Breeze
Strong Breeze
Moderate Gale
Fresh Gale

0 1-3 4-7 8-12 13-18 19-24 25-31 32-38 39-46

Smoke rises vertically
Direction of wind shown by smoke but not by wind vanes
Wind felt on face, leaves rustle; ordinary wind vane moved by wind

Visible Condition

Description

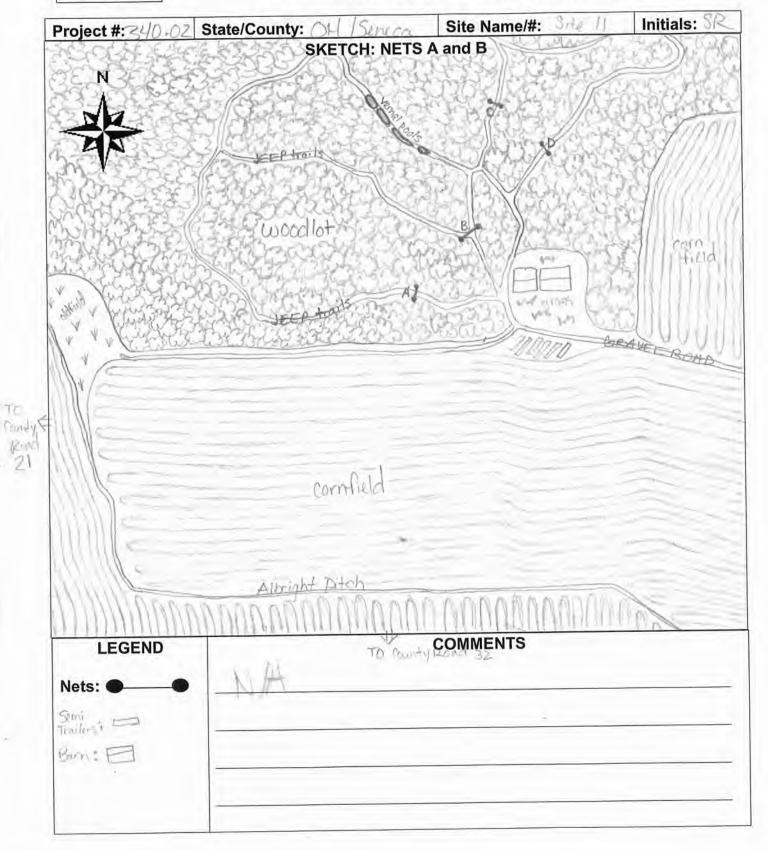
Wind Speed (mph)



Project #: 340.02	Date: 21 July 2011	Biologists: D Jollot,	SREEVES
Project Name:	Aerublic	Site Name/#: 51+	11
State: Oh County:	Sencia	USGS Quad: Fireside	)
Camera #: 4// Picture #s: Latitude: 4// 1/3 1/3 Distance to closest water source Water source name: All Min	7_"N ce (meters): 500 m	GPS Unit #: 689 Way Longitude: 82 ° 58  Type of water source:	<u>' 5 √ "</u> W
ESTIMATED WATER SOURCE	E CHARACTERISTICS	(IF UNDER NETS): //	
Bank Height:NAmeters	Channel Width:	meters Stream Width:	M/A_meters
Substratum: NABedrock	_BoulderCobble	GravelSandS	Silt/Clay
Still Water Present (Y/N): _\//	Average Water De	epth: Man or cm Clarity	(H,M,L):
VEGETATION:			
Dominant Canopy Species (> 4		dominant Canopy Species (	< 40 cm/16" dbh)
1) mus amily cano		Imas awarmana	
Prunus serotina, Jua	lans migra		
Estimated dbh range: Lg:	Sm: 40 Esti	mated dbh range: Lg:	Sm:
Relative abundance of dominal	nt vs. subdominant (rati	o):	
Estimated canopy closure:	Closed	<u></u> Moderate	Open
Roost tree potential consists of	:Large Tree	sSnags \( \sum_\)Both	Neither
Roost tree potential for the area	a is:High	Moderate Moderate	Low
Roost potential comments:	mas nestly unde	r the careful	
Subcanopy clutter:	Closed	_ <u></u> Moderate	Open
Subcanopy comprised largely of	of:Lower Bran Canopy Tre	iches ofSaplings es	Shrubs
Common Subcanopy Species:	Acer sarchanar		-
Habitat Description: mesic	THE DOUGHT	of hear combands	also de
Young Upland ForestPinMature Lowland ForestWoo	cently Logged Forest ne Plantation codlot/ForestEdge d Field se Moderate	_Stream/RiverVerr	ub/scrub Swamp nal Pool pwater Lake/Pond er
- opais	iviouerate	Delise	



### NET SITE HABITAT DESCRIPTION (continued)



Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777).
WEATHER DATA

BAT CAPTURE DATA

ESI

Project #: 346.02 Date: 21 Wy 20/1

Project Name: Tetractol Republic

Biologists: Duffort, Search Site name/#: Site 1

State: On County: Site 1

Camera #: China

Time Temp Wind Speed % Cloud Comm (xxxx h) (eSt imated – see chart)* Cover (est imated) Comm (2100 29.16 Cover (est imated) Cov				- 1	
29.6 29.7 29.7 27.8 27.8 27.8 27.8 26.6 00 27.8 26.6 00 27.8 26.6 00 27.8 26.6 00 00 00 00 00 00 00 00 00 00 00 00 00	Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
29.7 29.8 6 27.8 6 27.8 6 27.8 6 27.8 6 26.6 0	2100	29.6	C	36VC	
29.6 27.6 27.8 27.8 27.8 27.8 26.6 0 26.6 0	2130	29.7	C	28°	ľ
24.3 27.6 27.7 27.7 26.6 26.6 26.6 26.6 26.6	2200	29.60	VÕ.	9%0	
28.16 27.26 27.36 26.6 26.6 26.6 26.6 26.6 26.6 26.6 2	2230	29.3	0	2%	
27.6 27.6 27.8 26.9 26.9 26.9 26.9 26.9	2300	2811	0	0%	
27.8 27.6 26.9 26.6 00 00 00 00 00 00	2330	27.6	5	0%	1
27.5	0000	23.8	C	0%0	
0	0030	27.6	0	0%0	
0	0010	27.3	0	%0	
02:00 26:00 0 0%;	0/30	26.9	0	88	
	0220	26.6	O	0%	
	·				

Waypoint #	028	0,50	029	027
Picture #	101-106	101	139	0
ip Time Down P	03	C IS	0220	020E
Time Up (xxxx h)	2050	2055	2/00/2	2105
Height (m)	0 2	01	6.5	6,2
Length (m)	9	O.	00	(0)
Longitude	. 00	. 25 .	82 ° 58 ° 2 4 "W	0
Latitude	N. 13 . 3.7 "N	N. 8.7. 8 . 17	VI 0 13 . 7.0 "N	41. 13:5.8 "N
Net/Trap/ AnaBat Serial #	X.	20	را	0
Net/Trap/ or AnaBat	102	+000	177	17.

Net Placement/Site Description: Note placed on woodlot ourse roads/corridors

Capt 1	Net/ Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(g) Wt	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	(3)	いかけいいかれるよ	2140	Ad	7	+	14.7	F	I	0	3708
2	3	51357	2140	7	2		1/28	57	2	0	する
200	20	t, fusous:	2140								Take logged Not
	8	Mania marting	1215								光アノマス アマンム
. 25	0	E.Ausola	21156	Ad.	14	-	7.7	0/17	2	0	多
	0	The Hand	2225	PH	4	-1	101 101	517	2	0	
	4	E Aces	2300	Y	Ц		28	47	2	C	¥7
	0	E. Fish	ONO	A	1	XZ	Ď	7:17	)	0	2
1	(	3 6	C. Marin	100	(-)	CAN	1	111	1.4	C	1100

1 Reproductive Condition: Female = NR/PG/L/PL; Male = ↑↓ \* Refer to table on the back

Page 1 of Z



NO. COLUMN TO SERVICE STATE OF THE PARTY OF	* Wet	Capt Net Species # # Species	Sifte OZOO	Site Name/#: Age (Ad/Jy) So Per Do Age	Sex (MIE)	Repro. 2	(g) (g) (b)	(mm) 45	Belly (FMME)	Initials: D SP (II) Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
			4								

Calm Calm Light Air Light Breeze Gentle Breeze
Fresh Breeze
Anderate Gale
Fresh Gale

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
7	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarning is visible without translumination. Membrane exhibits some necrotic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the torearm.
m	Heavy damage. Deteriorated wing membrane and necrobic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or chiropatagium are evident.



### BAT CAPTURE DATA

Project #: 340.02 Date: 25 July 2011

Project Name: Textractor Republic

Biologists: Varthart Site name/#: 11

State: OH County: Serveca

GPS Unit #: E 68 % Camera #: 6-1

	Comments					L	-						
TA	% Cloud Cover (estimated)	20%	0 CY	0	0	0	Q.	0	Ø	0	0	20	
WEATHER DATA	Wind Speed (estimated – see chart)*		(	1	1		)	1	1	(	)		
	Temp (°C)	23.7	4.50	23.0	1. 5.5.	22	0.8.0	7	21.2	0 - 0	21.0	\$ to	
	Time (xxxx h)	2100	2130	2200	2230	2300	2330	0000	0800	8100	0.130	0000	

Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #		Lat	titude			2	Longitude	a		Length (m)	Height (m)	Time Up (xxxx h)	Time Up Time Down (xxxx h)	Picture #	Waypoint #
Ne A	N	· In	1	1	Z.	523	42. 58. 5.4	-	6:5	M.,	0.0	· V	2040	00300	101-105	0
Ne - 0	N	0 1/2	1	. 7.	Z	000	13	-	2.6	Mar	82	26	2045	5170	107	030
Ne C	N	0/0	(*	10	Z	3%	55	2	2.4	Ma		H	2005	0240	100	629
0 +31	11)	0 1/2	T.	3.8	Z	85.78	000		M. 2.0.	W.,	. 9	20	2100	0350	0 0	017

Net Placement/Site Description:

Capt #	Net/ Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	P	Esterious fusious	2145	>	X	<	15.6	45.0	Z	0	
	0	E. FUSCUS	2145	AA	Z	4	15.1	45.0	X	0	L
	1	E. Puscus	2200	1			15.3	1	2	0	25 capital
-	0	E. Austois	22.15	>	N	NR	14.7	45.0	X	0	
		E. Dusous	2230	21	N.	NR	19.5	44.0	×	0	
	4	£ . FUSCUS	7235	Ad	11	78	17.0	43,0	3	0	7
	63	M. Testentrianolis	2000	7	11	MR	- 0.0	35.0	X	0	
	CI	E piesious Auscus	0000	10		MR	1 6	P . S	1	0	
	0	7. Sens	0000	TT	Su.	PP.1	19.	7	W	C	

<sup>1</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓ \* Refer to table on the back

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)



Project #:

(4)

BAT CAPTURE DATA (continued)

Date: 25 July 20

Wing Index\* (0-3) Initials: Belly (F/M/E) RFA (mm) ₩ (g Repro. 2 Sex (M/F) Age (Ad/Jv) Site Name/#: Time Project Name: 12+12+204 / Republic Species Capt 0

Comments Picture # /Guano/Hair Sample 0 0 0 46.0 つっちち 45.0 0.9 4.7 4 2 5030 0030 Estesious Auseus Puscus FUSCUS

Description	Visible Condition
	Smoke rises wertically
	Direction of ward shown his property to the
	Wind fall on face former and not by wind vanes
Gentle Breeze	leader and transit three continues ordinary wind vane moved by wind
Morterate Breeze	Caves and annual livings in constant motion, wind extends light flag
27	Naises dust and loose paper, small branches are moved
	Small frees in leaf begin to sway, crested wavelets on inland water
	Large branches in motion, telephone wires whistle, umbrellas used with difficults.
Noderate Gale	Whole trees in motion, inconvenience in walking against used
	Breaks twins off trees page and impages many against wind

Score	Description
0	No damage, Fewer than 5 small scar snots are present on the
-	Light damage. Less than 50% of fight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarning is visible without translumination. Membrane exhibits some necroitic tissue and possibly few small holes («b) 5 cm diameter). Forearm skin may be flaking and discolored along the majority of the finance.
67	Heavy damage, Deteriorated wing membrane and necrotic tissue, Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagoparagium and/or chropatagium are evident.

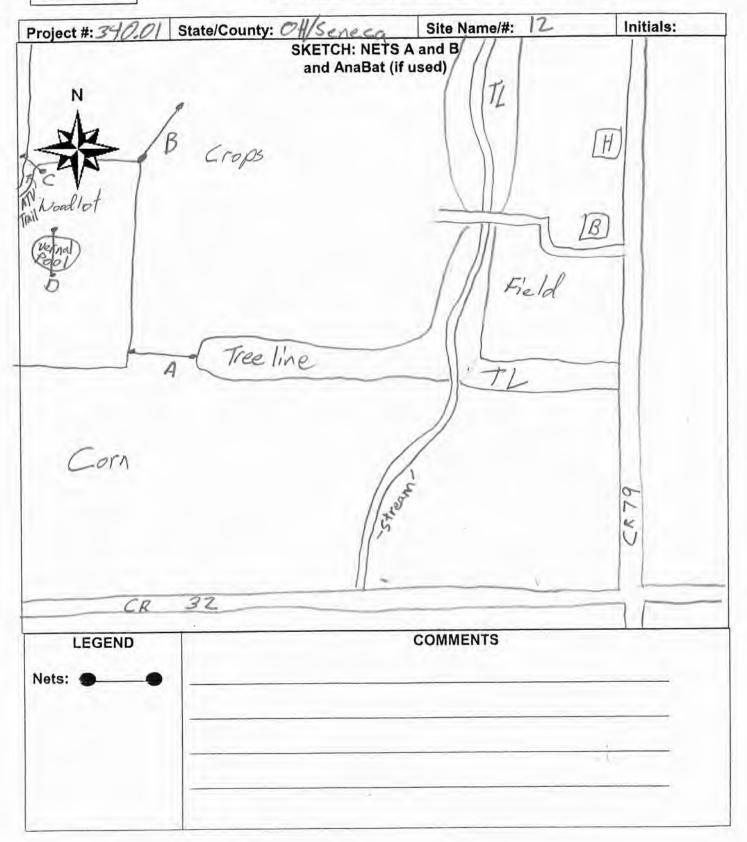
Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)



### **NET SITE HABITAT DESCRIPTION**

Project #: 390.01	Date: 30 July 11	Biologists: J. Basia	el	
Project Name: Republic		Site Name/#: 12		
State: OH County: 5	eneca	USGS Quad: Fires	ide	
Net/Trap/ Net/Trap/	Latitude	Longitude	Picture #	Waypoint #
or AnaBat AnaBat Serial #	12 11,3 "N 8	2.50 . 258 W	978	
B N 91.	13 197 N 8	2 °56 '27,7"W	979	
C N 41.	13 14.5 N 8	2.56 30.7 W	980	
F 11	13 1215N 8	Type of water sour	981	101
Distance to closest water source	(meters):	Type of Water Soul	ce. syna	1001
Vater source name:		LINDER METCA		
STIMATED WATER SOURCE			17 moto	org.
Bank Height: <u>5</u> meters	Channel Width:9r			315
	BoulderCobble			
Still Water Present (Y/N): /	_ Average Water Depth	n: 5 m or cm Clarity	(H,M,L): <i>L</i>	_
/EGETATION:	AND 1703			
Dominant Canopy Species (> 40		bdominant Canopy Spec	ies (< 40 cr	n/16" dbh)
Carra ovata		-arya evata		
Estimated dbh range: Lg: <u>75</u>	Sm: 40 Es	timated dbh range: Lg:_	39_ Sm	:12
Relative abundance of dominan		No. of the second		
Estimated canopy closure:	Closed	Modera	te	Open
Roost tree potential consists of:	Large Tree	s <u>/</u> Snags		Neither
Roost tree potential for the area	17	Modera		Low
Roost potential comments: lar	1 14	tree w/ losse flat	key back	
Subcanopy clutter:	Closed	✓Modera		Open
		3/		Shrubs
Subcanopy comprised largely of	Canopy Tre			Omado
Common Subcanopy Species:	-			
Habitat Description: Large 1	wood lot surrounded	1 by cropfields		
AnaBat Habitat: N/A				
Check all that apply:		V man and a second		
Mature Upland ForestF	Recently Logged Forest	Crop/Pasture Land	o	ther
	Forest Edge Voodlot	Stream/River Wernal Pool	_	
	Old Field	Deepwater Lake/Por	nd	
Herbaceous Cover: Spars	24	Dense		
Revised April 2011				

### **NET SITE HABITAT DESCRIPTION (continued)**



Comments

Cover (estimated) % Cloud

(estimated - see chart)\*

Temp (°C)

Time 0000 h)

Wind Speed

WEATHER DATA Wind Direction: From to

25 52



### BAT CAPTURE DATA

Design #. 200	The Profession of the Parket	(0000 P)	lemp (%)
roject #.	Date:	2130	125.9
Project Name:	Upubla	2200	25.6
State: A 1	County: Salva Co	2230	6.62
diate.	- Gumbo	2300	54.6
Biologists:	19/12/10/01	2330	24.5
Site name/#. 12		0000	24.2
Olf Hallican		0200	24.1
GPS Unit #:	Camera #:	000	24.0
		0/30	23,6
		-	

### MOON PHASE\*

3200

<b>S</b>		<b>\</b>
New moon	Waxing gibbous	Last quarter

quarter

Vaxing crescent	First q
ull moon	Wanin
Vaning crescent	

	Time Down
	Height Time Up Time Down
	Height
	l onath
Walling glabous	
42	

Net/Trap/Anabat	Net/Trap Type1		ב	atitude			77	ongitude.		Length (m)	Height	Time Up	Time Down	Picture #
#	77	5	6/2	// .	r	Z	×20.5%		H	175	100	2035	200	978
80	W.	16	18	14	10	2	22.5%				6	2040	205	626
30	1	16	0 /3	14	u	Z	3000	M. L'OZ .			O	5602	30	086
0	N	16	13	12	200		250	130.7			6	2050	2/15	186
Net Placement/Site Dea	VSite Description						1							

	Net #	Species	S	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(g) Wt	(mm)	(F/M/E)	Wing Index* (0-3)	Picture # /Guano/Hair Sample
	C	200000	L'Inn real	THE WAY	3	1,1	NR	11.0	5	B		
	)-sc	124	G.	T1.47	>	Ų.	Mic	11,00	14.	8	U	
		1.25 0105	Busten	81.22	AD	سندا	7	17,00	20	8		
		11	لمنا	77.70	1.50	1	NE	5.50	U)	N.	0	
411	0	ن. ک	-	E T	2	لما	NP	17 00	17	100	Ò	
	( )		-	1943	12.4	a.	alt-	000	0.00	M	0	
	0		) s	24.5	12	1	5	37.11	100	N/L	0	
4.0			ب	17.77	>	100	*	1.00	5		0	
		11	بار د	Sprice	00	IL	ē	12.50	11.7	1.9	0	
100	100	-	150	12.00	4	ü	W	90.00	111	سل	0	

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back.

2 Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/

Page 1 of

0/16-226 #d	P# 411-43
200000000000000000000000000000000000000	00000
334344333343	EU4 114
5 55 55 55 55 55 55 55 55 55 55 55 55 5	子到了: 正·
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	14,25 14,50 16,75 02 02 17,25
** ** ** ** * * * * * * * * * * * * *	X 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
3 3 4444 4444 2 8	111111111111111111111111111111111111111
\$ Q - 3.3 C 2 S C 3 C 3 C 3 C	13.37.7 2.3
12.230 12.230 12.230 12.230 12.230 12.53 12.53 12.53 12.53 12.53 12.53 12.53 12.53 12.53 12.53 13.54 13.54 13.54 15.53 15.5	01:00 01:01 01:50 07:30
E. fusions  C. fus	T. Fuscus T. Fuscus T. Fuscus T. Fuscus T. Muraralis T. Ruscus T. Ruscus
これのはならはのけっちん	26 323

.



### BAT CAPTURE DATA

New moon Waxing crescent Firs
Waxing gibbous Full moon Wa

Last quarter

Waxing crescent First quarter
Full moon Waning gibbous

		8	<b>WEATHER DATA</b>		
Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2/22	10	1-1	ハシア	1	
02/2	127	2.5	WYE	1	
è	0.00	5	W>E	)	
- 1			か少な	)	
3		1	1	)	
9		1	)	)	
	201		1	١	
	20.1	)	)	)	
	61	"	11/3E	100	
02/30	19.5	1	)	1	
2200	19.5	1	1	)	

Net/Trap/Anabat	Net/Trap Type¹		-	Latitude	Φ.		Lo	-ongitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
A	N	16	0 /2	7.	1	Z		W" 852.	18/	6	2030	200	26
10	111	10	. 12		1	Z		W. 7.22	05/	Co	2035	205	979
1	N	3	3	1/1	12	Z	25. 26	W. C 25.	2	V	20%	210	086
R	1	16	13	12	12		95 20	30.7	6	وا	20915	2/5	185
Net Placement	Net Placement/Site Description												

ints (Hair Sample					1			1	1
Comments Picture # /Guano/Hair Sample				The second secon					
Wing Index* (0-3)	0	0	C.	0			1		
Belly (F/M/E)		Z		J	u	R	14	su\	4
RFA (mm)	10	07	63	5	5	54	977	45	7//-
Wt (g)	Q		0.7	7	L		16	0	100
Repro. 2	NA	4	7	2	×.	y	16.		
Sex (M/F)	L	× v	1	7	Z	v	N.	i,	1
Age (Ad/Jv)	18	3	40)	Hot	1	No.	PA	14 d	A
Time	56/2	2200	1	Sh: 2-7	22.55	22.58	65.22	2300	23
	1/3	1	1 50-15	35	3	e-2115	So	2	541
Species	sacre s	1		Linker	2002	Ber	4050	Bor	F.S.C.
	4-512121	L. Bereil	E. Ken	u	E C	١	Ū		M
# Wet	0	0	Q	0	4	A	10	0	
Capt #	1	1	9		110		0		

M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap, A = Anabat \* Refer to table on the back

. HT = Harp Trap, A = Anabat Peproductive Condition Female = 14R/PG/UPL, Male = 1/L

Page 1 of

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)



### **NET SITE HABITAT DESCRIPTION**

Project #	: 340	Dat	e: 7/20/11	Biologi	sts: A. Knio	w5/9 11	1 farms
	Name: Republi	c	7 1	Site Na	me/#:/ <sup>1</sup>	1	
State: 0	4.3	unty: Sono	ca	USGS	Quad: Fires	ide	
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #		titude		gitude	Picture #	Waypoint #
A-	Net	41 0 13	1 42 6 "N	82 ° 53	137 - 4 "W	106-0667	340140
B	Net		04.6"N	82 ° 53	· 4/, L W	106-0661	34014 1
E	Net	410 13	02,9"N	8Z . 53	· 43. 5 "W		34014C
D	NUT		05 16"N	00	· 44.4 "W	106-0659	
Water so	to closest water ource name:				e of water soul	rce: <u>stra</u>	A+1
ESTIMAT	TED WATER SO	DURCE CHAR	ACTERISTICS	(IF UNDER N	ETS):		
Substrate Still Wate	ight:me um:Bedroo er Present (Y/N)	kBoulde	rCobble	Gravel	SandS	Silt/Clay	
VEGETA	A STATE OF THE STA				6 1/1-10 1 <b>6</b> 000	1/2 /2 10 0	- 14 O" -11-1-V
	t Canopy Speci		5" dbh)	Subdominant	Canopy Spec		n/16 dbn)
	100 0100						
Carl	ha quada						
	ed dbh range: Le			Estimated dbl	h range: Lg:	1/0 Sm	15
	ed canopy closur				Modera	te	Open
	ee potential cons		<u>/</u> Large T	rees	Snags		Neither
	ee potential for t		High		Modera	te	Low
	tential commen		/ /	ark			_
	ppy clutter:		Closed		// Modera	te	Open
Subcano	opy comprised la	argely of:	Lower E Canopy	Branches of Trees		s	Shrubs
Commor	n Subcanopy Sp	ecies: _	Parnes	Sending			
Hahitat [	Description:	loodlat n	PAY CYO	claud /	Carre		
	Habitat: N/A	PECKET I					
<u>Matur</u> _Young	<u>ill that apply:</u> re Upland Foresi g Upland Forest re Lowland Fore	Forest		Stream Vernal			ther
Young	g Lowland Fores	st Old Fie	ld	Deepw	vater Lake/Po	nd	
Herbace	eous Cover:	Sparse	Moderate	Dens	se		
Company of the				1			



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### **NET SITE HABITAT DESCRIPTION (continued)**

Project #:	State/County:	Site Name/#:	Initials:
	SKETCH	l: NETS A and B naBat (if used)	~ [ ]
N	and A	- 01	U. 1
<b>A</b>	Y	Wood lot	aro C
NE	(F	No Table	3
AN		1 (B)	
*		0	1 2 6
1		12	- Conc
1	1		127
For		0	
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	prive en		1 7 7
			woodlot
	house	1 1	alof
	7	ropland	1-8
			= 7
		36-	1 /
			1
LEGEND		COMMENTS	
Nets:			
			<u> </u>

### BAT CAPTURE DATA

Project #: 346 Date: 26 3 3611

Project Name: Republic

Biologists: A. Larewale, 4. Site name/#: 14

State: Off County: Server 6

GPS Unit #: 7

Time Temp Wind Speed % Cloud (xxxx h) 28-12 (eStimated - see chart)* Cover (estimated) Comments 750 (eStimated - see chart)* Cover (estimated) Comments 750 (eStimated - see chart)* Cover (estimated) Comments 750 (eStimated - see chart)* Cover (estimated - see chart)* 750 (eSti			WEATHER DATA	ATA	ATHER DATA	
6 18.2 1-5 36.6  21.5 4-8 36.6  22.5 4-8 36.6  30 27.0 4-8 0  30 27.0 4-8 0  30 27.0 4-8 0  30 27.0 4-8 0  30 25.9 8-12 0  30 26.9 8-12 0  30 26.9 8-12 0  30 26.9 8-12 0  30 26.9 8-12 0	Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments	
29.5 4-8 36% 29.3 1-3 30% 27.0 1-3 00 27.0 4-8 0 27.3 4-8 0 26.9 8-12 0 26.9 8-12 0 26.9 8-12 0	2106	7-8-7	1-3	300		
27.3 1-3 30% 27.0 1-3 30% 27.0 4-8 00 27.3 4-8 0 25.9 8-12 0 26.9 8-12 0 26.9 8-12 0 26.9 8-12 0	-		カート	30%		
27.0 1-3 0 27.0 4-8 27.3 4-8 26.9 8-12 26.9 8-12 26.9 8-12 26.9 8-12 26.9 8-12	2200	22.3	1-2	30%		
27.0 4-8 27.0 4-8 27.3 4-8 26.9 8-12 26.9 8-12 26.9 8-12 26.5 4-12	2230	27.0	4-1	C		
27.0 4-9 0 27.3 4-9 0 26.9 8-12 0 26.9 8-12 0 26.9 8-12 0	2360	1×	9-17	20		
25.0 26.9 26.9 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.3	2330	27.0	0.17	C		
28.9 8-12 0 26.9 8-12 0 26.5 8-12 0 26.5 13-18 10%	ODO	27.3	P-17	(0)	Wind 945/5 13-18	Low
26.9 8-12 0 26.5 4-12 0 26.5 4-12 0	0600	27.0	21-8	Ø	170	
130 26.5 4-12 @	0010	26.9	21.2	0		
26.3 13-13 109	-	16.0	オール	0		
	0.250	16.3	13-13	10%		
						13

Waypoint #	40104	5/0/5/ FE	74106	7 10108
Picture #	104-0662 3401	5 1890-80	€ 0990-90	108-0659 3
Time Up Time Down (xxxx h)	224	N EX	207	- 0
Time Up	2109	2145	200	2100
Height (m)	0	~	9	9
Length (m)	1/2	8	V9	0
Longitude	M. F. EE . E5. 320	M. 2113 . 25 . 28	82 . 53 . 43,5 "W	82 . 53 . 44 4 W
Latitude	N. 8. 13 . (7. 87N	N. 5 10 1 8 11	N. 6 20 . El . 1	N. 91521 El . 1
Net/Trap/ AnaBat Serial #	100	200	120	nct 6
Net/Trap/ or AnaBat	K,	0	d	9

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7.148 T	Age (Ad/Jv)	Sex (M/F)	Repro. 2	(g) /6.0	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
2220	3	A	MA	0	00	Ш	É	
0222	_3	8	MR	LA	20	Ш	80	
2230 3	2	5	N12	2.0	34	M	d	
23,15 6	Ad	3	NR	170	9 2	Ш	Ø	
2315 1	Joh	11	_1	17.5	43	E	10	old broken was
2318 5	3	M	NR	01:61	方力	8	0	
2318	75	٤	NR	(6.0)	エス	Z	8	
23/8	2	U	NR	13,4	7.2	7	B	

<sup>1</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑\\ \* Refer to table on the back



Project #: 340		Dat	te: 7/2	11/01						
Project Name:		Site	e Name/#:	17/					tials:	
Capt Net	C		Age	Sex	Repro. 2	Wŧ	RFA	Rollv	Wing Index*	Com

Proje	Project Name:	ő	Site	Name/#:	17/				ī	Initials:	
capt #	# K		Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
0)	4	E1 fr5605	2313	13	7	N N	1.6.7	40	J	0	
17	(2)		2334	Ad	H	7	20.2	44	U	B	
7	Œ,		2340	Ad	N	Ł	14.3	45	3	Ø	
(4)	X.	E. Luscous	1200	3	H	NR	15,4	45	14	Ø	
7	A	E. Rugeus	280	36.	u	7	23.0	20	T	8	
5	0	m. luc	580	5	Z.	NA	7.5	CAM	707	K	
10	V.	19 500	124	Ad	N	NAR	1.8	10	71	B	
		O.									
			4								
						6					

Vind Speed (mph)	Description	Visible Condition
0	Calm	Smoke rises vertically
.3	Light Air	Direction of wind shown by smoke but not by wind vanes
2-1	Light Breeze	Wind felt on face: leaves rustle; ordinary wind vane moved by wind
-12	Gentle Breeze	Leaves and small twics in constant motion: wind extends light flag
13-18	Moderate Breeze	Raises dust and loose paper; small branches are moved
19-24	Fresh Breeze	Small trees in leaf begin to sway, crested wavelets on inland water
-31	Strong Breeze	Large branches in motion, telephone wires whistle, umbrellas used with difficulty
32-38	Moderate Gale	Whole trees in motion; inconvenience in walking against wind
39-46	Fresh Gale	Breaks twids off trees; denerally imperies progress

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splochning). Scarning is visible without translumination. Membrane exhibits some necroitc tissue and possibly few small holes (<0,5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.
m	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagnopatagum and/or chiropatagum are evident.

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)

WEATUED DATA

ESI

### BAT CAPTURE DATA

Date: Biologists: A. Kanisus/k Project Name: Republic Project #: 340

County: Seneca

Camera #:

17

GPS Unit #:

State:

Site name/#:

224164

(xxxx h)	(S)	Wind Speed (estimated – see chart)*	Cover (estimated)	Comments
2/00		00	0,5	
05 2		4-1	04	
2200		4-7	0 5	
550		50	000	
2300		レンコ	0.1	
2330		4/10	10	
000		8-12	(	
000		2-17	Thurder	Sain
Ne-4	Tool	2 1 m	11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	200
1				
	Janhod	1,00		
J4	-1	1		

A Met 41° 13' 02,2"N 82° 53' 37,4"W 12 9 2102 000 166-0662 34014  B. Met 41° 13' 04,6"N 82° 53' 43,5"W 6 8 2109 0008 166-0667 34014  C. Met 41° 13' 05,9"N 82° 53' 44,4"W 6 8 2105 0008 106-0667 34014  D Net 41° 13' 05,6"N 82° 53' 44,4"W 6 8 2.05 0008 106-0667 34014	Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #		Latitude	Longitude		Length (m)	Height (F. 5	Time Up (xxxx h)	leight Time Up Time Down (n 3 (xxxx h)	Picture #	Waypoint #
41 . 13 . 04,6"N 82	N	+8H	0 1/7	13 ' 02,6"N	82.53.37.7	M., -	12	5	2102	0000	2390 - 901	340192
17 0 13 02,9 "N 82	Ó	HOW	0/3	N. 8 70 . E	2111. 82 . 23	.M.	4	10	2108	0000	1990 - 901	360 068
8 N. 9'50 . El . 1h	V	12.04	0 1/5	N. 6.30 . E.	82.53.43,5	M <sub>a</sub>	8	S	7015	5000	080-000	36104 €
	9	Net		N. 9'50 . EJ	LEW .	Ma /-	9	N)	2105	2000	859 D 807	1010KE

Comments Picture # /Guano/Hair Sample									
Wing Index* (0-3)		O	D	Ø.	d	0	Ø	Q	
Belly (F/M/E)	2	u	100	W	ŁL.	5	24	S.	T
RFA (mm)	40	13/7	21/2	0.5	¥.	52	17	4	ロコ
Wt (g)	60	6.2	0.8	5	1 61	17.5	51	2 2	
Repro. <sup>2</sup>	5.	72	7	X	ā.	2		NR	
Sex (M/F)	Y	u,	1	had	1	2	Z	I	N.
Age (Ad/Jv)	14 of	19	7	3	Lol	3	5	2	49
Time	2205	2122	2220	0722	2277	2240	2249	2300	2300
Species	Color Lagers	E Chara	E. Liscus	L sortals	E. Discus	Party Control De A	F. Arsens	1 + 1 × 1 × 1	E Post &
Net/ Trap	4	0	A	4	0	1	00	1	I
Capt #	1	5)	E	17	N	9	1	(0)	5

<sup>&</sup>lt;sup>1</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓ \* Refer to table on the back



Date:

240

Project #:

Project Name:	Name			Site	Site Name/#:	7				Ini	Initials:	
Capt #	Net #	Species		Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	4	E FINCUS		23 15	30	17	N	15.0	96	120	6	
1	A	the Lught 15		2330	3	T	NR	D.	499	Į.	b.	
1/	1	A SANTE		23.26	2/12	M	SIN	15.5	tils	Z	A.	Very yours
C.	4	- Anson	· ·	2326	1	U	1	220	00	TT	6	5
13	4	T. Carrie	-	2335	3	Z	MZ	149	25	n	d	
C	X	21.10		0882	20	L	MR	11.9	42	U	8	
207	V	E BSKUS		2350	100	14	7	70.6	240	8	Q	
		(										
ĥ		(an	DOUT									
t												
										6		
						,						
										Score	9	Description
Wind Speed (mph)	D	Description	Visible Condition	u						0		No damage. Fewer than 5 small scar spots are present on the membranes.  Light damage. Less than 50% of flight membrane is depigmented (splotching).
	1					T					A CONTRACTOR OF THE PARTY OF TH	

Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarring is visible without translumination. Membrane exhibits some necrotic tissue and possibly few small holes (<0.5 cm diameter). Foream skin may
A STATE OF THE PROPERTY OF THE

Smoke reas vertically

Direction of wind shown by smoke but not by wind vanes

Wind felt on face: teaves rustle; ordinary wind vane moved by wind

Leaves and small Mays in constant motion; wind extends light flag

Raises dust and loose paper; small branches are moved

Small trees in leaf begin to sway; crested wavelets on inland water

Large branches in motion, telephone wires whistle; umbrellas used with difficulty

Whole trees in motion, inconvenience in walking against wind

Breaks lawgs off trees; generally impedes progress

Calm
Light Air
Light Breeze
Genfle Breeze
Moderate Breeze
Strong Breeze
Strong Breeze
Moderate Gale
Fresh Gale

0 1-3 4-7 8-12 13-18 19-24 25-31 32-38 39-46

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue, Cincinnati, OH 45232 (Phone: 513-451-1777)
WEATHER DATA

Comments

Cover (estimated)

% Cloud

Wind Speed (estimated – see chart)\*

Temp (°C)

6.42 245 1.12

2100 2 30

(xxxx h)

0000 00 %

23,6

2230

2300

2336

0000 0000

001

## **BAT CAPTURE DATA**

Sa

Date: 24-5-1-2011 County: Seveca Site name/#: Camera #: Creek Biologists: A. Knightst Project #: 340 すり Project Name: GPS Unit #: State:

	25.1 0 30%	M. Andrews
	25.1 0	
25.00		X
(30 22.8 0 100.8		

2000 1

Se031

1000 0000

10/15 1360 1 200 2015 3 21 1 M. 41,44 20 20 1 200 200 1 21 01/2 20 1 2	10 13 : 02 6 "N 82 0 53 : 37,4 "W 12 9 2100 200 1 0667 3401 10 13 : 04.7 "N 82 0 53 : 41,2 "W 6 6 2155 220 0661 3401 10 15 : 05.9 "N 82 0 53 : 43,5 "W 6 6 2106 220 0660 3401 10 15 : 05.0 "N 82 0 53 : 44,4 "W 6 6 70 2106 220 0660 3401	Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	Latitude	Longitude	Length (m)	Height (m)	Time Up (xxxx h)	Time Up Time Down (xxxx h)	Picture #	Waypoint #
82.53.41,2"W 6 6 2115 220 .0661 3401 82.53.43,5"W 6 6 2105 220 0660 3401 82.53.44,4"W 6 5 2106 222 0659 3401	11.0 13.0 4.8"N 82.053.41,2"W 6 6 2015 220 0660 3401 1.0 15.029.8"N 82.053.43,5"W 6 6 205 205 0660 3401 1.0 15.05.6"N 82.053.49,4"W 6 6 205 205 3401	-3	N. et	1.9.20. 21 014	W" 4,7 E . 53 . 58 N	2/	6	2100	200	2990 /	34614A
045 930 525 2012 & 0 W"4,4"4 6 225 2015 620 340	1 0 15 1 029 "N \$2 0 53 143,5"W 6 6 2105 220 0660 340	13	すっ	1.6.12 . 04.9"	53.41	1	10	2115	230	1990	34014B
820 525 8012 S N"4,4" 54 . 82058	950 255 0012 0 0 W.4.4.W 6 0 200 E101	V	たべ	41 . 15 . 02 9 "	N 82 . 43 5 W	2	B	1000	523	0860	340196
	11 11 11 11 11	C	745	1.9.50. 8.01	00	2	C	2106	225		340140

1				-						
1	Comments Picture # /Guano/Hair Sample									
	Wing Index* (0-3)	N	X	Ď,	Ø	Ø	Ø	Ó	0	, D
	Belly (F/M/E)	(A)	4	S	CV	[3/	f	E .	T.	(7
1	RFA (mm)	R	KI	20	2	43	2	ph	70	2
	Wt (g)	58	18.2	(3 8	15.7	13.7	18.6	10	19.7	1.5
	Repro. <sup>2</sup>	NR	MA	2	120	NR	かな	7	S	200
	Sex (M/F)	10	T	1	Σ	100	The said	a	Ē	E
	Age (Ad/Jv)	7	30	15	5	2	5	7007	7	7
	Time	20112	(203	2235	2250	22.35	2355	2255	22.55	23/5
	Species	* - S - S - S - S - S - S - S - S - S -	E Company		F Luscus	E 4.52 LS	Englander Survey	E 1-5605	E. Seus	E. Lecus
	Net/ Trap	X	d	4	t	4	4	4	ď	1
	Capt #	/	N	cu	5	10	a	1	P	5

<sup>1</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓ \* Refer to table on the back

Page 1 of 3



Date: Project #:

Project Name:	ne:	Site	Site Name/#:	1.5				Ē	Initials:	
Capt Net	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	W (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	7	3315	\$	1	7	20.4	617	(T	0	
14	+	11.20	13	7	SP	24.2	75	A	0	
0	(2) (2)	2320	7	2	NR	23.5	2	K	0	
<	) (X)	2340	200	V.	15.77	12:51	200	a	0	
A LI		2340	75	5	23	19.8	44	J	0	
-	2020	2340	30	7	25	6.3	07	B	0	
	10 2 2 2 10 12 12 12 12 12 12 12 12 12 12 12 12 12	0100	B	4	212	E W	30	13	0	
1		0000	35	2	3	5.3	75	W	0	
- CX	-	0030	B	5	12	Ī	55	(L	0	
4	V.	0030	2	Z	30	15.5	40	7	0	
30 K	1,	0030	75	Z	SN	6 41	2	T	0	
V V	1	0000	A.	4	JA	19.1	5	Y.	5	
-	1	0830		U	NZ	193	0/2	T	()	172,550 Set
77	W	0530	34	1	200	PE	3	(+	8	
	FIRE	\								Escape
	1	3///8	~ 头	L	70	- 1	513	(1	0	
26		21.7	1	3	117	9	70	500	0	
A VI	V	0170	30	5.0	200	8 9	47	14	0	
D 00		34/0	7	7	X	5	0	W.	B	

ondition * tossar total		t by wind vanes	wind vane moved by wind	n; wind extends light flag	thes are moved	wavelets on inland water	es winstle; umbrellas used with difficulty	walking against wind	DOGGES
Visible Condition	Smake rises vertically	Direction of wind shown by smoke but not by wind vanes	Wind felt on face; leaves rustle; ordinary wind vane moved by wind	Leaves and small twigs in constant motion; wind extends light flag	Raises dust and loose paper, small branches are moved	Small trees in leaf begin to sway; crested wavelets on inland water	Large branches in motion; telephone wires whistle; umbrellas used with difficulty	Whole trees in motion; inconvenience in walking against wind	Decrete twice of trace, generally impade progress
Description	Calm	Light Air	Light Breeze	Gentle Breeze	Moderate Breeze	Fresh Breeze	Strong Breeze	Moderate Gale	Cooch Cala
Wind Speed (mph)	0	1-3	4.7	8-12	13-18	19-24	25-31	32-38	20.00

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarring is visible without transfurnitation. Membrane exhibits some necrotic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the malority of the forearm.
m	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or recoding plagiopalagium and/or chiropalagium are evident.

Page 2 of



Projec	Project #:	390	Date:	10	2401					100 %	
Project	Project Name:	200	Site	Site Name/#:	151				'n	tials:	
Capt #	# #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	RFA (mm)	Belly (F/M/E)	ally Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
100		L CINEVOUS	190	Lot	la:	70	29.50	300	100	6	
00	4	S. Zinereus	8000	3	IF	3	25.0	3	1	1	

			-				d with difficulty		
Visible Condition	Smoke rises vertically	Direction of wind shown by smoke but not by wind vanes	Wind felt on face, leaves rustle; ordinary wind vane moved by wind	Leaves and small twigs in constant motion; wind extends light flag	Raises dust and loose paper, small branches are moved	Small trees in leaf begin to sway; crested wavelets on inland water	Large branches in motion, telephone wires whistle, umbrellas used with difficulty	Whole trees in motion; inconvenience in walking against wind	Breaks twigs off trees, generally impedes progress
Description	Calm	Light Air	Light Breeze	Gentle Breeze	Moderate Breeze	Fresh Breeze	Strong Breeze	Moderate Gale	Fresh Gale
Wind Speed (mph)	0	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	<ul> <li>Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.</li> </ul>
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching), Scarning is visible without translumination. Membrane exhibits some necroit issue and possibly five wanall holes (<0,5 cm diameter). Forearm skin may be faking and discolored along the majority of the forearm.
m	Heavy damage. Deteriorated wing membrane and necrotic tissue, Isolated holes  >0.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or chiropatagium are evident.

Page 7 of



### **NET SITE HABITAT DESCRIPTION**

Project #	: 340	Date	1 7/26/11	Biologis	ts: A. Kai	owski,	J. Kein
Project N	lame: <u>Fen L</u>	Vc.		Site Nan	ne/#:	5	
State: 0	// Co	unty: <u>Sen</u>	eca	USGS Q	uad: Wats	on	
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	Lati	itude	Longit	tude	Picture #	Waypoint #
Allabat	NE+	41017	02,4"N	13 ° 00 '	54, 7 "W	0668	340A15
B	net	410 12	0411 "N 4	3.00	56.6 "W	0871	340815
C	net		026 N 1		57.6 W	0669	340C15
D	nel	11		U 1/2	59.4 "W	0670	340015
	to closest wate	r source (meter	s):	Туре	of water sour	ce. <u>e re</u>	-//-
	urce name:				TOV		
		The second second second second	ACTERISTICS (IF				0.02
	ight:m		nel Width:				ers
			Cobble 🎉				
till Wate	er Present (Y/N	): Ave	erage Water Dept	h: <u>15</u> m or	cm Clarity	(H,M,L): <u></u>	_
/EGETA							
ominan	t Canopy Spec	es (> 40 cm/16	" dbh) Si	ubdominant (	Canopy Spec	ies (<,40 c	m/16" dbh)
2001	and nig	ra		Acer	Gaccho	aring	WA
1	V						
							1.0
Estimate	d dbh range: L	g: 75_ Sm:	. <u>50</u> E	stimated dbh	range: Lg:	10 Sn	n:_/5
Relative	abundance of o	lominant vs. su	bdominant (ratio):	1/6			
	d canopy closu		Closed		<u></u> Modera	te	_Open
Roost tre	ee potential con	sists of:	✓ Large Tree	es	Snags		_Neither
	ee potential for		High		Modera	te 💆	Low
Roost po	tential commer	nts: Tight b	ark				
	py clutter:		Closed		Modera	te	_Open
	py comprised l	argely of:	Lower Bra	inches of	Sapling	s	Shrubs
Jubourie	ppy compiled i	argory on	Canopy Tr		-		-8. A. W.
Commo	n Subcanopy S	pecies:	for near	do			
5-111111		-					
Habitat I	Description:/_	and lat	mant es	cet 1	cronto	nd	
	4174	work to	PLOCUE L. K.		V		
	Habitat: <u>/V///</u>						
	Il that apply:	t Decent	y Logged Forest	N/Cron/Pa	asture Land	(	Other
	e Upland Fores g Upland Fores			Stream     St	/River		V\$13/1
	e Lowland Fore	st Woodlo	t	Vernal	Pool	. =	
Young	g Lowland Fore	st Old Fiel	d	Deepwa	ater Lake/Po	nd	
Herbace	eous Cover:	_ Sparse	Moderate	Dense	9		
Revised Ap	oril 2011		1				



Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)

### **NET SITE HABITAT DESCRIPTION (continued)**

Project #: 340	State/County:	Senaca	OH	Site Name/#:	15	Initials: ABA
		SKETCH: N				1
N		and Anal				1 /
Á			Fi'e	ld		
NA			,	, - (		
AN					)	
V					17/	12
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6 6	Woo	od lad	- /			- 0
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		1			15	1
		B				-/ w/
D	Overara					
	overgrown &	6	0-			100
		2				
		Tra	Par 1		A	b
		Wood		ee		
\		Wood	1) /			
1		4	10+			
1						
4				V 2		
LEGEND			С	OMMENTS		
lets:						
						-
	-					

### ESI

### BAT CAPTURE DATA

Project #: 340 Date: 7/26/11

Project Name: Republic

Biologists: 4. Knowsk 3. Ktc Site name/#: 15

State: A County: Seneral

Camera #:

GPS Unit #:

	Comments												1
A	% Cloud Cover (estimated)	2002	20%		20%	120/0	1000	5%	2%	200	265	5%	5 1/3
WEALDER DALA	Wind Speed (estimated – see chart)*	<u></u>	5 2	\	5	r L	M	P. 1	6	TACO	12	2-1-12	7 × 3
	Temp (°C)	24.1	£12.2	1	12:50	20	80.9	20.5	20.3	3,7	P/ 15	1, 127	18.4
	Time (xxxx h)	2030	2100	1	2012	00000	78:00	23:30	74:40	50:50	200	1.33	5,00

Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	La	titude	Po	Longitude	Length (m)	Height (m)	Time Up (xxxx h)	(xxxx h) (xxxx h)	Picture #	Waypoint #
V	net	21.16	. 02.9 "N	83.00	M. + 49.	_	0	2050	950	0665	340415
(21)	her	41 . 12	N. 1000 .	83 .00	. S6,6 "W	10	16	2100	202	1290	340815
7	net	21. 14	. 020 "N	83 .00	M. 9.75.	0	5	2107	209	6990	340015
9	net	21.15	1 52.7 "N	83.00	M. 6'55, 00. E3	vo	10	0112	220	0490	340015
Net Placement/Site Des	nt/Site Description	: neks	Darrod	over ave	ex averagous to	1.00	except B which	B while	15	SUBS Creek	reek

Comments Picture # /Guano/Hair Sample									
Wing Index* (0-3)	0	C	0	Ó	0	0	0	9	0
Belly (F/M/E)	رو۱	(2)		4-1	(1)	1-1	U	LIV.	ليا
RFA (mm)	The	60	[V)	3	38	36	12	200	200
Wt (g)	24	6.7	HZ	r)	8.8	K,71	7,3	Cis	5.9
Repro. <sup>2</sup>	->	4	N/N	NR	NR	->	-7	7	dN
Sex (M/F)	150	W	W	250	Z	M	M	M	100
Age (Ad/Jv)	p.,	-6	>	8	10	P P	-0	-07	25
Time	71320	511.30	21:35	21:30	71:30	21.35	21,35	21135	711.35
Species	M, Luci	M. 1 vc	M. Luti	M. LvC	mil or	11/4 Lut.	NO. Luc.	100	720 100
Net/ Trap	~	/YX	ρΔ	(C)	200	120	(2)	62	EC.
Capt #	1	0	p=)	7	Ŀń	9	2	P	(cir

<sup>1</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓ \* Refer to table on the back



4000	Danie of Momo		Site Nan	Site Name/#:	10				ini	Initials: 1464	
Capt	Capt Net	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
-		2007 61	22.20	-0	1	2	10	22	B	0	
	1 1/2	1000	B.12.2	L.	W.	7	6.3	34	8	0	
6	(	130	2000	-1	+	2	9.9	K	H	0	
10	N		27.72	-	+	a	19.3	77	4	0	
0 2	1.5	M. Set	72:10		F	N.	2.5	24	Z	0	
W	2 4	1.4.5	1000 E	N. C.	S	->	15,2	30	L	0	
100	0	M 500	0.871	7	Ç.	0	2.3	23	I	0	
	12	F. FUSCUS	00,00	3	8	-)	6,00	J)	2	0	
OC.	10	Con W	V07	10	4	ME	M	Ž,	W)	O	
00	100	M. Lock	:50	×1	125	4	7	6.2 F-	N	0	
6	(3	40% ///	24-1	A	Y	Z	L	73	8.	Ö	
		CON 10	200	~	4		(3)	10)	+-	9	
2	, U	1 C-12	50.5	3	Me		T.	CP.		Ø	

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar bissue (splotching). Scarring is visible without translumination. Membrane exhibits some necrotic issue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.
m	Heavy damage. Deteriorated wing membrane and necrobic lissue. Isolated holes >0.5 cm are present in membranes. Necrobic or receding plagiopatagium and/or chiropatagium are evident.

Smoke rises vertically

Direction of wind shown by smoke but not by wind vanes

Wind felt on face; leaves rustle; ordinary wind vane moved by wind

Leaves and small wings in constant motion; wind extends light flag

Raises dust and loose papers; small branches are moved

Small trees in leaf begin to sway; crested wavelets on inland water

Large branches in motion; leichtone wires whistle; umbrellas used with difficulty

Whole trees in motion; inconvenience in walking against wind

Breaks twigs off trees; generally impedes progress

Light Air
Light Breeze
Gentle Breeze
Moderate Breeze
Fresh Breeze
Strong Breeze
Moderate Gale
Fresh Gale

0 1-3 4-7 8-12 13-18 19-24 25-31 32-38 33-46

Visible Condition

Description

Wind Speed (mph) Page 2 of



### BAT CAPTURE DATA

Property of: Environmental Solutions & Innovations, Inc. 781 Neeb Road. Cincinnati, OH 45233 (Phone: 513-451-1777)

Comments

% Cloud Cover (estimated)

WEATHER DATA
Wind Direction:

N7 88

(est	72100 25.6 1-3	23:00 24:06 1-3	0.ro 84,2		er obous	
Date: 7/2%/ 11	. )	County: Sercea		Camera #:	MOON PHASE*  Waxing crescent Full moon Waning gibbous	
Droiset #. 340	Project Name:	State: County:	Site name/#: 15	GPS Unit #:	New moon Waxing gibbous Last quarter	The state of the s

										֡		
Net/Trap/Anaba	Net/Trap/Anabat Net/Trap Type1	Latitude	~		Longitude	qe	Len	Length F	Height (m)	(0000 h) (0000 h)	(0000 h)	Picture #
# *	T	CW1 6 0 6	Nu.	520	1 40	Mu	0	-		27.70	25	340713
t	Re						3		1	100	UXC	10/10015
	+0%	0. 2.017	Z	0	00	M	Y		0	100	500	(3/0/2/2)
3.	7.01	1.10.17	IVII =	a	C. C.	Mu	0		0	4014	210	3476 (5
J	XIV.				1		15	-	N. Carlot	N	228	5100%E
Not Placemen	Net Placement/Site Description:	The state of	-		-	3 66.00	r i	1	y N	1000	ULU	. Y
וופר ו ומכפווופו	מסונה בססונים						100	1		William Indian		Commonte
Capt Net	15	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (a)	(mm)	(F/M/E)	(0-3)		Picture # /Guano/Hair Sample
# (\)	100		A1	2	5	NR	7.3	-	14	8		
)	1			* *								

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17.2.18

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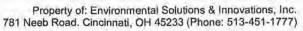
E MT

7

ment, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat	on the back
<sup>1</sup> M = Monofilamer	* Refer to table on the bac

<sup>2</sup> Reproductive Condition: Female = NR/PG/L/PL, Male = ↑/↓

Page 1 of





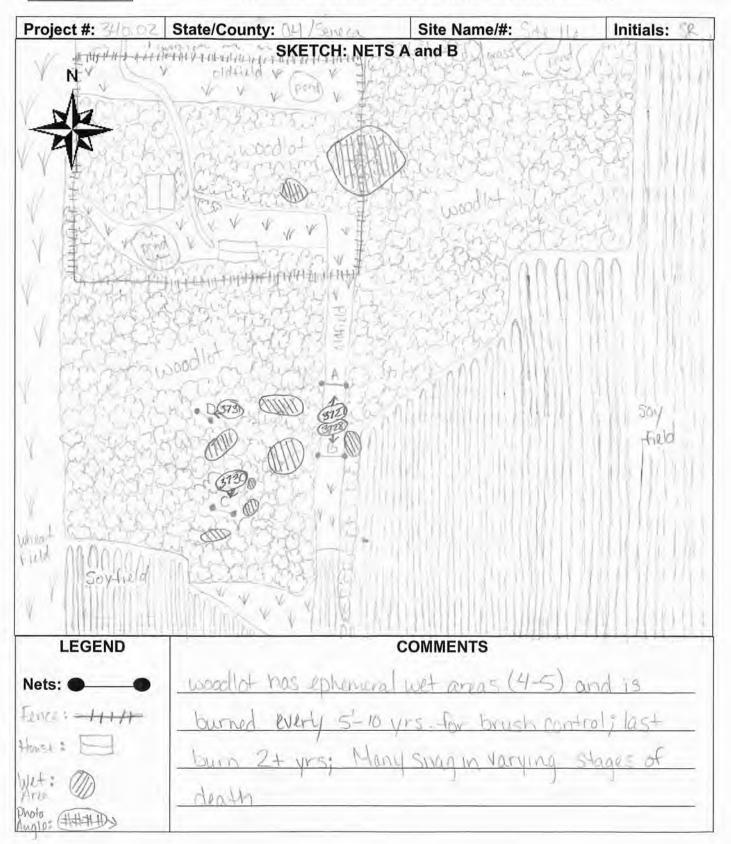
### **NET SITE HABITAT DESCRIPTION**

Project #: 240.07 Date:	20 July 2011	Biologists: 1 Jan	att, 5 RELIVES
Project Name: Televatech Kepu	blic	Site Name/#: 514	216
State: DH County: Service	1.	USGS Quad: Fir	rside
Camera #: Picture #s: "N  Latitude:	ers): <u>250 m</u>	Longitude: <a href="mailto:2"><a href="mailto:2"><a< th=""><th></th></a<></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	
ESTIMATED WATER SOURCE CHA	RACTERISTICS	(IF UNDER NETS):	NA
Bank Height: N/A meters Char	nnel Width: 🖖 🙏	meters Stream	Width: Meters
Substratum: NA Bedrock Bould	erCobble	GravelSand	Silt/Clay
Still Water Present (Y/N): N/A	verage Water De	epth:∬ <u>∦</u> morcm (	Clarity (H,M,L): <u>////</u>
VEGETATION:			
Dominant Canopy Species (> 40 cm/16	" dbh) Sub	dominant Canopy Sp Fraxinus Junisy	
Acer Sarcharaning		Juglans ruger, Co	mux orda
		Umus anurican	R Act Of Hammer
Estimated dbh range: Lg: Indian Sm:	410cm Esti	mated dbh range: Lg	: 38m Sm: 21m
Relative abundance of dominant vs. s	subdominant (rat	io):_/.*25	
Estimated canopy closure:	Closed	<u></u> Modera	ateOpen
Roost tree potential consists of:	Large Tree	sSnags _ <u>V</u> B	oth Neither
Roost tree potential for the area is:	High	<u></u> Modera	ateLow
Roost potential comments:	snags; Parya	sp., Ulmus sp.	Acu so.
Subcanopy clutter:	Closed	Modera	ate <u>M</u> Open
Subcanopy comprised largely of:	Lower Bran Canopy Tre	Control of the contro	gsShrubs
Common Subcanopy Species:	highers micra		Allen Co
Habitat Description: Malury wind	dot near 5	- 7C 1 K	Sir+TV-ji
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland ForestYoung Lowland ForestYoung Lowland ForestYoung Sparse		Crop/Pasture Land Stream/River Emergent Wetland Forested Swamp Dense	Shrub/scrub Swamp Vernal Pool Deepwater Lake/Pond Other



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### **NET SITE HABITAT DESCRIPTION (continued)**



ESE ESE

### BAT CAPTURE DATA

Project #: 340.02 Date: 20 July 2011
Project Name: Tetrantich Roudisc
Biologists: D. Mont SRUMS Site name/#: Site 1/6
State: China County: Suveral
GPS Unit #: E 68 4/6 Camera #: C. 1884

Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
2100	282	2	80%	
2190	522	0	30%	
7200	27.8	1.3	30%	l
2230	ET. O	0	0%	
RADIN	3	S	0.0	
223	27.0	(-)	28	
COUNTY.	17.12	4-7		
VIEL C	17.00	4-7	022	
000	20.0	81/2	80	
0/30	27.7	21-12	3,0	
0230	26.3	2112	138	

'ap/ Bat	Net/Trap/ AnaBat Serial #			Latitude	a			Lon	ongitude.		Length (m)	Height (m)	Time Up (xxxx h)	Time Up Time Down (xxxx h)
1	*	15	0	7	77.16	Z	820	Kr	101	M. E	0	0	2050	0/20
1	8	16	210		100	Z	62.53	100	1.	W" Z Z	4	26	2009	0155
-		7	0	4	N. 75.7	Z	0	15	161.	M.,	1,0	(0.5	2100	0200
1	nc	613	010	1	100	"NI	000	1000	1.11	/V/4:	1	6 %	Dirich	KORY

Net Placement/Site Description: Not -

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Mach William

D.J.

AMELINA.

MIN WING ...

0

Waypoint #

Picture #

2027

150

Capt Net/	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	) Wt	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Samp
1 0	SE SET & STORES	2200	AO	()	2	18:1	17/7	7	0	A/N
0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2002	TO	A	7	6.6	617	2	(	7
(U)	1 (1)	2200	>	2	4	14.4	174	2	C	Z/A
4 8	H HIGHS	13/13/		2	<	811	3	Ī		Sonall Hole in Literan
1/2	H. V.	SIN	17	17	2	0.0	94	Z	0	*2
(, R	TIT	815	As	2	2	18:8	N.V.	2	C	N/O
31	S TO STATE	200	7	IT	72	7.13	4/0	2	C	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
N/A	T. 4.8.5.4	2220	Asi	П	DI	[ ]	13	2	Ć	N/K
200	71-12/21/2	2240	2	17	NE	14.9	75	2	C	N/4
1 Reproductive Conc	Reproductive Condition: Female = NR PG'L'PL, Male = ↑ ↓	* Refer to table	table on the back							

Page 1 of 2



Project #: Total Control	ch Zinihis	Site N	Site Name/#:	1	4 10			2	Initials:	8
	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	W. (a)	RFA (mm)	Belly (F/M/E)	Wing Index*	Comments Picture # /Guano/Hair Sample
1	some fores	738	2	1	70	226	43	I	0	N/M
1	- VIO-01/	22.45	A A	4		800	1/2	7	0	NIK
11-1	1 1007	2300		2	4	100	14.5	2	0	4/2
11	T ANSWA	2320	Ad	2	<	200	41.5	2	0	まっ
	V17517	2370	T	2	4	1617	4.5	2	0	X.Z.
17	405015	2320	101	4	70	20.2	Sh	Z	0	<b>1</b>
14	VIOSITY I	2820	4	2	<	16.6	17.5	Ц		*2
+	List o	2330	1	5	<	50	43	¥	0	Z/Z
11	Ausons	234h	SE	5	7	1/0,0	14	2	C	N/A
) Fd-	1.5.7	2350	>7	11	12	7.8	534	2		NA
H	Tieri s	PONS	7	2	6	218	18	2	0	W 12
	10000	0.6.35	V	CL	a l	200	151	V-1	C	holy in Fight Union 370
Mine	A STREET	0.30	V.	2	6	5.9	22	2	C	N
7	T. F. Mus	5000	A	L	7	20,9	415	I	0	表人
		0	>	2	<	14.0	13	I	0	72
		5 2 2	H	Σ	4!	180	9/50	2	Q	NA
			No.	-		-				
Description	Visible Condition	uo						Score	-	Description No damage. Fewer than 5 small scar spots are present on the membranes.
	Smoke rises vertically							-	Light damage. L which is often vis	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
Light Air Light Breeze Gentle Breeze Moderate Breeze	Direction of wind shown by smoke but not by wind varies Wind felt on lace, leaves ruste, ordinary wind varie moved by wind Leaves and small kings in constant mobon, wind extends light flag. Rases dust and lose paree, small branches are moved.	and varies vane moved by wind id extends light flag are moved						2	Moderate dama; (spiotching). Scan necrobc bissue an be flaking and dis	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarring is visible without translumination. Membrane exhibits some necroic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.
Fresh Breeze Strong Breeze Moderate Galle	Small trees in leaf begin to sway crested wavelets on inland water Large branches in motion, telephone wires whistle, umbrellas used with difficulty Whole trees in motion, inconvenence in walking against wind	slets on inland water istle, umbrellas used to against wind	with difficulty	-1				6	Heavy damage. Deteriora >0.5 cm are present in me chropatagium are evident	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagnopatagium and/or chropatagium are evident.
Fresh Gale	Breaks twigs off trees, generally impedes progress	ress		777						Page 2 of 7

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)
WEATHER DATA

BAT CAPTURE DATA

ESI

2011 Date: 22 July Site name/#: 1. strong 240, nz Biologists: Project Name: Project #:

TXXT V Camera #: County: CAMIL GPS Unit #: State:

MADY Comments Cover (estimated) % Cloud 30% 199 (estimated - see chart)\* Wind Speed 8 Temp (°C) 500 (xxxx h) 2100 225h 2130 2350

Waypoint #	023	025/	025	2026
4	3727	100		
Time Down (xxxx h)	0.20	0155	0020	0205
Time Up (xxxx h)	2050	2055	2100	218
Height (m)	0	2	6.2	62
Length (m)	Q	4	3	3
Longitude	82.57.72 W	W. 27 . 72 . W	M. 501. 15.68	M. & C. C. C. C. C.
Latitude	41 . 12 . 27.6°N	WI . 12 . 71.5 "N	N. C.S.C. 71. 17	N. 2 CC . CI . 1/7
Net/Trap/ AnaBat Serial #	i.L.	2		£
rap/ aBat	1.	1	+	1

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Capt #	Net/ Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	W.(	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	B	T-7-105-10-5715	2125	3	2	4	1.7	77/7	2	0	KIA
N	d	T Distance	2130								Escaped Met
PX	Z	# Firstill	2185	KH	H	1	631	4/17	2	0	NA
13	TX.	Lasana Parent	2150	A	VL.	Q Z	13.5	9/5	2	0	3238
10	X	The Court	2200	Apl	U		1.6	455	2	q	Z).
8	2	A Species	220 03	Acol	I	4	10/	410	2	0	15/A
1	120	17 CAST. W	2220	3	Σ	<	12.3	5	2	0	NA
10	7	- FILCAS	2226	3	2	<	0.47	174	Σ	0	NIM
5	EL	N. A. Gara	2220	101	2	•	18.50 10.50	7	2	0	RECEDELLY FROM 20 JULY

¹ Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓ \* Refer to table on the back

Page 1 of 2

\* Transmitter boot (172,118)



Time Age Sex Repro. 2 Wt RFA Belly 235.0 Add MF) (MIF) (II) (III) (IIII) (IIIII) 232.0 Add MF (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	t Name:	Project Name: Totronton's Committee	Site	Site Name/#:	1	a No			=	Initials:	25
This was furned 2360 Ad M J. 175 45 H O  This was 2360 Ad M J. 175 45 H O  This was 2360 Ad M J. 175 45 H O  This was 2360 JV M M M O  This was 2380 Ad M M M M O  This was 2380 Ad M M M M M M M M M M M M M M M M M M	Capt Net	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	W(	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
Theres 23% W F NR 124 49 M O WAT  Theres 2320 W M M 37 44 M O Fraped M  Theres 2320 Ad F L Prople	5	Tribana Aurona	2360	71	I	7	175	5	I		N/A
There sand Mark M. 137 44 M. O Fraped M. T. Loscus 2320 July M. T. T. Loscus 3230 Act F. L. Sand M. O. Peruphus	LE.		2884	3	U	N/Z	124	173	2	€	N/A
T. Susans 2320 JV Pt A 137 44 M O  T. Susans 2320 JV Pt A 1 M O  T	150		CXYN	3							1 Kist
F. Lusars 2320 VV H L	14	The first of	232h	7	Z	4	137	5/5	Z	0	
F. Jacon 2 2320 Act 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The state of the s	T- 1-1-5%	2330	7	2						RICANTURE
	et.	- 16,500 J	2330	Act	11	_(					- Rominius
									i		
										7	Δ.
			3								

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
+	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarring is visible without translumination. Membrane exhibits some necrotic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be falsing and discolored along the majority of the forearm.
m	Heavy damage. Deteriorated wing membrane and necrotic bissue. Isolated hobes 20.5 cm are present in membranes. Necrotic or receding plaglopatagium and/or chiropatagium are evident.

Smoke rises vertically

Direction of wind shown by smoke but not by wind vanes

Wind felt on face, leaves rustle, ordinary wind vane moved by wind

Leaves and small Mags in constant mobion; wind extends light lag

Raises dust and loose paper, small branches are moved

Small trees in leaf begin to sway; crested wavelets on infand water

Large branches in motion; lelepthone wires whistle, unbrellas used with difficulty

Whole trees in motion; inconvenience in walking against wind

Breaks Migs off trees; generally impedes progress

Light Air Light Breeze Gentle Breeze Moderate Breeze Fresh Breeze Strong Breeze Moderate Gale Fresh Gale

0 4-7 8-12 13-18 13-24 19-24 32-31 32-38

Visible Condition

Description

Wind Speed (mph) Page 2 of

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)

Comments

% Cloud Cover (estimated)

(estimated - see chart)\* Wind Speed

(°C)

0

100

(xxxx h) Time

**WEATHER DATA** 

808

00

0 0

22.8

30 2200

77 22 20

2230

0.030

0010 0130 0200

2300

### BAT CAPTURE DATA

Date: 24 July 2011 Camera #: 0 4834 County: Solvers Geever Site name/#: Nord:x Tetratech Jeff cot Project #: 340.02 Project Name: Biologists: GPS Unit #: State:

The state of the s

DODO/S

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/ E

or AnaBat Net/Trap/

Capt #	Net/ Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	# (6)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	V	Mystif Sodalis	2120	AA	1	74	2.0	37.0	W	0	3788-3799
-	20	Fishes Muscus	2205	AA	5	4	16.3	44.5	X	0	1
W	0	E HUSTIN	205	うり	3	4	12.4	44.0	1	0	1/2
+	6	-1145/115	2215	Pol	X	4	19.8	45.5	4	0	47
10	4	E. fuscus	2230	700	1	<	14.7	44.0	*	0	47
9	0	E. fisus	0000	An	(7		24.0	45.5	14	0	WHENSINGE 172, 1168
7	0	Ness sept trans	0000	P.d	2	4	(事)	35.0	2	C	まって
700	9	F. F. S. S. S.	12345	>	Z	4	13.0	47.5	2	C	1
6	2	North Land	100		2	4	-	0	2	(	7870 -2807

¹ Reproductive Condition: Femald = NR/PG/L/PL; Male = ↑/↓ \* Refer to table on the back

Page 1 of 2



July 2011	Site No Initials: DJ, SR	Sex Repro. <sup>2</sup> Wt RFA Belly (M/F) (g) (mm) (F/M/I	M & 66 35 M O	A C 70 HO D O NA		17 C I 07 TO 4 Z	M P 15.2 435 N O NA	M D M 2 43.6 M D M M	T NR 16.8 450 M O NA							
Date: 24 July 2011	Site Name/#:			0025 A.4	0120 Ad	Orza Ad	5120 Ju	N	1 3 OF 10		-		4			
20.02	Project Name: Talbatech Comusic		Mustis Turkening	0				t. fusions 01	E, Awsaus							
Project #: 340.02	Project Name:	Capt Net # #	© 01	ii C	2	13 C	14 6	S.	U B							

Description	No damage. Fewer than 5 small scar spots are present on the membranes.	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.	Moderate damage. Greater than 50% of wind membrane covered with ever feete	(solotching) Sparring is visible without translumination. Membrane exhibits some	necrotic fissue and possibly few small holes (40 5 on diameter). Forearm skin may	be flaking and discolored along the majority of the forearm.	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes	>0.5 cm are present in membranes. Necrotic or receding placing and/or	chiropataqum are evident.	10 C 0000
Score	0	-				8			63	
14										
	Visible Condition		Direction of wind shown by smoke but not by wind vanes	Wind felt on face, leaves rustle; ordinary wind vane moved by wind	Leaves and small twigs in constant motion; wind extends light flag	Raises dust and loose paper, small branches are moved	Small trees in leaf begin to sway, crested wavelets on inland water	Large branches in motion; telephone wires whistle, umbrellas used with difficulty	Whole trees in motion; inconvenience in walking against wind	Breaks twigs off trees, generally impedes progress

Description

Wind Speed (mph)

Caim
Light Air
Light Breeze
Gentle Breeze
Moderate Breeze
Strong Breeze
Moderate Gale

0 4-7 8-12 13-18 19-24 25-31 32-38 39-46

Page 2 of



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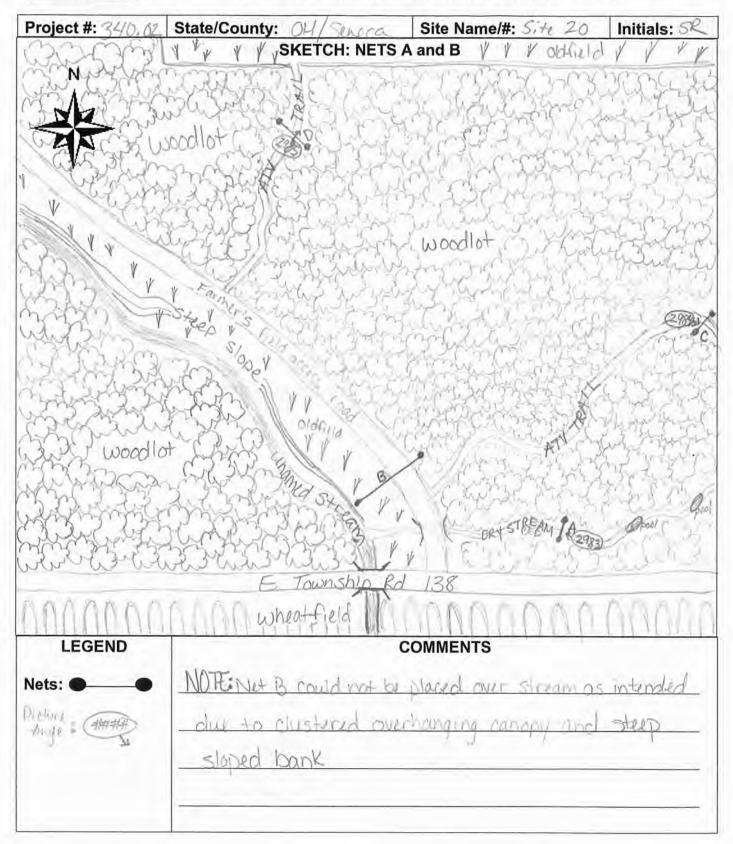
### **NET SITE HABITAT DESCRIPTION**

Site Name/#: Site 20  USGS Quad: Fire stole  GPS Unit #: £3528 Waypoint #: 34626  Longitude: 83 ° 00 ' 26,8 "W  Type of water source: stream
GPS Unit #: <u>79528</u> Waypoint #: <u>34/62/</u> Longitude: <u>33 ° 00 ' 26, 3 "</u> W
Longitude: 33 ° 00 ' 26, 3 "W
(IF UNDER NETS):
meters Stream Width: Ometers Gravel
dominant Canopy Species (< 40 cm/16" dbh)
nated dbh range: Lg: <u>#</u> // Sm: <u>///</u>
o): / = 17-5
ModerateOpen
SnagsBoth Neither
ModerateLow
14
ModerateOpen
ches ofSaplingsShrubs
MAG TYPUS POPULARIA
present and stream in corridor
Crop/Pasture LandShrub/scrub Swamp Stream/RiverVernal Pool Emergent WetlandDeepwater Lake/Pond Forested SwampOther ✓ Dense



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### **NET SITE HABITAT DESCRIPTION (continued)**



ESI

## BAT CAPTURE DATA

Project #: 340 .02 Date: 3 July 2011

Project Name: Totrate ch Republic

Biologists: Elbesper, 5 Reves Site name/#: Stre 20

State: Ohio

GPS Unit #: £9528 Camera #: 5R Łodak

(xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
1/60	24.2	C	26%	
130	26.4	0	25%	
266	6.3	C	20%	
7330	1.2	0	0%0	
380	17.7	(	0%	
2336	( )	0	%0	
2999	8.01	9	0%0	1
0035	10.6	1	0%0	
0011	In. 3	0	500	1
1	(6,1)	C	%C	
280	15,8	0	0%	1

Picture #	2953	1 W 1/2	70 84	1920
Time Up Time Down (xxxx h)	20/45	0/50	0/55	MADO
Time Up (xxxx h)	2045	2050	2005	2100
Height (m)	16.2	9.2	6.2	20
Length (m)	9	00	9	8
Longitude	Mu 188. 00 . 85	W" FEE. 62 . E8	W. S. O.C. 30.58	M
Latitude	N. 8. 8. 9. N	N	N. O. J	N
Net/Trap/ AnaBat Serial #	A	9	7	
Net/Trap/ or AnaBat	TAT.	ナラ	まえ	THE

Waypoint #

SI STATE

NUM Racross wide recorder, Nots Cal

Net Placement/Site Description: Net A MEY dry Stranger Tad

-	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (a)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	
	Mystis September	2150	Ad	I	7	6.5	18	7))	0	3456
	(assures Locusia	0140	M	2	7	1.9	(1)	2		3476

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Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777) WEATHER DATA

Comments

% Cloud Cover (estimated)

Wind Speed (estimated – see chart)\*

Temp (°C)

Time (xxxx h)

10 MM 2311	byic	me/#: 57+c 20	SERVICES.	# 0
.02 Date:	Watech Mill	wer, A Sar Site name/#:	County:	Camera #:
Project #: 340	Project Name:	Biologists: E Pars	State: Olyn D	SPS Unit #: E

5

Net/Trap/ Net/ or AnaBat AnaBat	Net/Trap/ AnaBat Serial #	Latitude	Longitude	Length (m)	Height (m)	Time Up	Time Up Time Down	Picture #	Waypoint #
73	A	N. 20 100 .	W" P S . OO . 24 W		6.2	SOAC	217	2978	40
- +	5	N. 1. 70	W. S. S. S. S. W.	90	9.3	20207	6518	1980	0
2	4	N. C. VC . 11 .	Λ	9	1017	2007	ANSK	15784	rk.
1	H H	N. 2. 40 11 .	85° 00° 29° W	6	7 6	2/100	0020	79.85	23

Species	Time Age (Ad/Jv)	e Sex	Repro. <sup>2</sup>	(6) W	RFA (mm)	Belly (F/M/E)	/ Wing Index*	Comments Picture # /Guano/Hair Sample
SPIESICUS PISLUS	24.32	4	2		ASI	41)	0	Ľ
Epitesias Fires	212	4	N S	Ó	*	w	C	
ortesius fiscus	J.C. 100 J.Z.	17	NE	13.5	Z.	11		
SUSCUS EUSCUS	72 W A	17	J	18.8	700	N.	0	
Sptesius Puscus	712.26 N	1 1 NA	NIZ	17.5	A.S.	X	K	2990
C D Sestions - Thous	72224 1	17	48	7	D.	MA	)A	
Epitesicas Fuscus	NC A5:25	V	N/2	12	43	N/	0	
S PTRSILIUS MUSEUNS		V.	20	13.8	V	S	O	
DISTANS LINEALLY	N. W. YOU	4	N. F.	K	75	5	C	2992-297

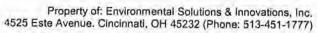
Page 1 of Z

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Averue. Cincinnati, OH 45232 (Phone: 513-451-1777)



# BAT CAPTURE DATA (continued)

		Comments Picture # /Guano/Hair Sample												1		the second second second second second		Description	No damage. Fewer than 5 small scar spots are present on the membranes.	Light damage. Less than 50% or flight membrane is depigmented (splotching), which is often visible only with translumination.	Moderate damage. Greater than 50% of wing membrane covered with scar bissue (splotching). Scarting is visible without banslumination. Membrane exhibits some necroic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.	Heavy damage. Deteriorated wing membrane and necroic bissue, Isolated holes. 30.5 cm are present in membranes. Necrotic or receding plagnopalagium and/or	Page 2 of 2
	als: 518	ly Wing Index* (E) (0-3)	is		0	0	0												No damage, Fewer th	which is often visible	Moderate damage. G (splotching). Scarring necrotic tissue and po be flaking and discolo	Heavy damage. Dete	chropatagium are evident
	Initi	Belly (F/M/E)			m	VV	77											Score	0	-	2		9
		RFA (mm)		7.77	4	AS.	4/10								-								
		Wt (g)	FE	0.6	0 11	19,6	00		1														
2011	SB	Repro. 2	3	7.7	JOK.	3	>		3									4					
124	100 Y	Sex (M/F)		1	JAN.	W	S																
100	Site Name/#:	Age (Ad/Jv)		30	7	18	Ŧ						-				1					with difficulty	
Date:	Site N	Time	22,70	28.86	53.33	38.40		1		~						-+			ion		wing varies varie moved by wind and extends light flag are moved	elets on inland water istle, umbrellas used	ig against wind ress
	oweh Reporter	Species	25/01/5 FUSCUS	LOSIUMS PUSEUS	esjuls us a	051CUS (115CU)	ESILVE FULLY		1				1			); (4)			Visible Condition	Smoke rises vertically	Unrection of wind strown by smoke but not by wind varies. Wind felt on face, leaves rustle, ordinary wind varie moved by wind Leaves and small twys in constant motion, wind extends light, flag. Raises dust and loose paper, small branches are moved.	Small trees in leaf begin to sway, crested wavelets on inland water Large branches in motion, telephone wires whistle, unbrellas used with difficulty	Whole trees in motion, inconvenience in walking against wind Breaks twigs off trees, generally impedes progress
540,02	me:		. E O.	000	D 1 1 1 1 1 1	5. 00)	121	2 4	- +		1	4 —		-	ž - y	1		*	Description	Calm	Light Breeze Gentle Breeze Moderate Breeze	Fresh Breeze Strong Breeze	Moderate Gale Fresh Gale
Project #: 5 +	Project Name:	Capt Net	0		17	5	14			-	2					e	*	Wind Sowed	(Hdm)	0	13.18	25-24	39-46



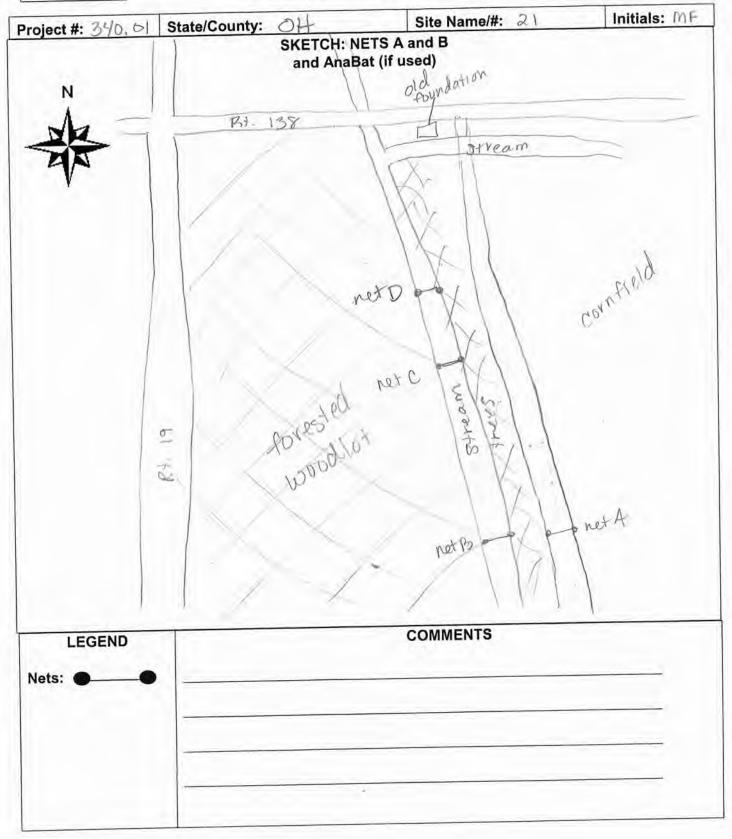


### **NET SITE HABITAT DESCRIPTION**

Project !	in in		Date: 14 Jul 201	blolog	ists: J Ba	DIGCK I	- Part - I
	Name: <u>Kepi</u>	ublic		Site N	ame/#:2		
State:		unty: Se	neca	USGS	Quad: Wats	211	
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #		Latitude	Lor	ngitude	Picture #	Waypoint #
EVR4	A	410 11	0 ' 42.9 "N	830 0	, 13.9 W	814	ZIA
net.	B		3 ' 42.1 "N	83° 0	15.0 W	813	2113
net	C	211 0 10		83° D	1 16.6 W	815	210
Distance	to alcoast water	1/1 ° 10		83. 0	' 17.7 "W	818	210
V - 1	to closest water ource name: W		ners);	Type	e of water sour	ce: Strea	W1
to Agentum and the	AND DESCRIPTION OF THE PARTY OF		D. C.				
			ARACTERISTICS				
	ight:/me	22.70	annel Width:(o				rs
			derCobble				
		: /	Average Water De	epth: <u>6.5</u> m o	r cm Clarity (	H(M(L):	
VEGETA	TION:						
	t Canopy Specie		16" dbh)	Subdominant A Cur	Canopy Specie	es (< 40 cm	n/16" dbh)
Aa	r rubru	200		X	er rulon		
A	ur sacch	iarur	1		r sacch		
-	d dbh range: Lg				range: Lg:	OVOR 1	F
			subdominant (ratio			<u>J 1</u> 3111.	
			Closed	0)			
	d canopy closure				Moderate		Open
LOOSI IIE	e potential consi	ISIS OI.	Large Ti	rees	Snags	_	Neither
		A A B A B A B A B A B A B A B A B A B A	111.1				
Roost tre	e potential for th		High_		Moderate		.ow
Roost tre Roost po	e potential for th tential comments		large tree	es have			
Roost tre Roost po	e potential for th			es have	Victoria de la companya del companya del companya de la companya d	Ork, No	
Roost tre Roost poi Subcanor	e potential for th tential comments	s: <u>most</u>	Large Tree	ranches of	High + be	ork, No	Suad
Roost tre Roost poi Subcanor Subcanor	e potential for the tential comments by clutter:	s: <u>Most</u> gely of:	Closed Lower B Canopy	ranches of	Moderate	ork, No	Dbeu Σકાયલે
Roost tre Roost poi Subcanor Subcanor	e potential for the tential comments by clutter: by comprised lar	s: <u>Most</u> gely of:	Closed  Lower B  Canopy	ranches of Trees	Moderate	ork, No	Dbeu Σકાયલે
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Roost tre Roost poi Subcanor Subcanor Common	e potential for the tential comments by clutter: by comprised land Subcanopy Special company S	s: <u>most</u> rgely of: ecies:	Closed  Lower B  Canopy  Aur ru  Aur Su	ranches of Trees	Moderate	97K, NO C S	∑ ≘ાશલુ Open Shrubs
Roost tre Roost poi Subcanor Subcanor Common Habitat D AnaBat H	e potential for the tential comments by clutter: by comprised land Subcanopy Specific secription: \( \alpha \) a vector abitat:	s: <u>most</u> rgely of: ecies:	Closed  Lower B  Canopy  Aur ru  Aur Su	ranches of Trees bnim ccharum	ModerateSaplings	97K, NO C S	∑ ≘ાશલુ Open Shrubs
Roost tre Roost por Subcanor Subcanor Common Habitat D AnaBat H Check all Mature Young Mature	e potential for the tential comments by clutter: by comprised land Subcanopy Special escription: a value abitat: that apply: Upland Forest Lowland Forest Lowland Forest	gely of:  Recent	Closed  Lower B  Canopy  Aur ru  Aur Su  Aur Su  tly Logged Forest Edge ot	ranches of Trees  byum  ccharum  ccharum  Crop/Pa  Stream/ Vernal F	Moderate Saplings	97K, NO C S	Den Shrubs
Roost tre Roost por Subcanor Subcanor Common Habitat D AnaBat H Check all Mature Young Mature	e potential for the tential comments by clutter: by comprised land Subcanopy Special escription: a value abitat: that apply: Upland Forest Upland Forest Lowland Forest Low	gely of:  Recent	Closed  Lower B  Canopy  Aur ru  Aur Su  Aur Su  tly Logged Forest Edge ot	ranches of Trees  byum  ccharum  ccharum  Crop/Pa  Stream/ Vernal F	Moderate Moderate Saplings asture Land River Pool ater Lake/Pond	SURVOUN	Den Shrubs



### **NET SITE HABITAT DESCRIPTION (continued)**





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Comments

% Cloud Cover (estimated)

(estimated - see chart)\*

Temp (°C)

Time (0000 h)

V

70.5

330

202

Wind Speed

**WEATHER DATA** Wind Direction: From to 808

Project Name: Republicant Seneca State: A County: Seneca Biologists: Barge M. Flyan.	Project #: 340	Ol Da	Date: 12 July	4
Basin	Project Name:	Repub -		
Back	State:	County: Sene	Ca	
one of the contract of the con	Sinloniete.	LAND M. FLUAR		
	ciclosicio.		S.	
	CDC 1 (2:4 #:	0 L9880 15	Camera #	500 670

	First quarter Waning gibbous
MOON PHASE*	Waxing crescent Full moon Waning crescent
	New moon Waxing gibbous Last quarter

nt						
- 1	I ongitude	Length	Height	Time Up Time	Time Down	Picture #

A 41 0 10 42 B 4/ 010 42	רמחוחה		Longitude	Length (m)	Height (m)	(0000 h)	(0000 h)	Picture #
B 9/ 01 0 1/2	N" DC	83 .		(×)	1	2000	205	N8
010	N. / C	0	W. 8 81. 0	43-	1,5	2045	216	8/3
	NE Y	· 100	M. 771. C	4	2	0,002	5/2	5/8
01 10 45	1	83	17.7	0	0	5502	220	818

**	#	Species	Іше	(Ad/Jv)	(M/F)		(6)	(mm)	(F/M/E)	(0-3)	Picture # /Guano/Hair Sample
1	T	A	2150	- Tr	U	7	5261	150	M	0	
+		The Contract of the Contract o	1	N. I.V	610	2		30	1 1/2	100	
-	J	1.29 Sec. 1430.	1000	H	100		1	0			
F	1	The state of	7.77	A	U	į.	1	1	×		
+	1			- 13	12/	*	1/5	125	W	5	
	1	F. 7485 A.		12.8							
-	50			T	N.V	1	Sur!	23	LI	0	
+	S	1									Not Gooth
	2	5050									
	0	in Assess	V	1							Net esta
1	R	C faces	130	7		4	-	1	Y.	0	
1	12	33	230	2	LL,	6/18	1127	5/1	1/1/	0	
	N	5.0	308	2	M	ME	127	5	//	0	

I M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Defer to table on the hark



Picture # /Guano/Hair Sample Comments Wing Index\* (0-3) Initials: Belly (F/M/E) 11 4 W (mm) 74 10 18.25 N W (6) Repro.<sup>2</sup> Sex (M/F) 1 Date: 12 July Age (Ad/Jv) Site Name/#: 1/42 Time Species Superior . L'AXIL 202205 11131 1 10 Project Name: Capt Net # # Project #: 1

## Beaufort Wind Scale

### 2010 Lunar Phases

New	First Quarter	Full	Last Quarter
Feb 13	Mar 23		Apr 6
Mar 15	Apr 21		May 5
Apr 14	May 20		Jun 4
May 13	Jun 18		3414
Jun 12	Jul 18	Щ	Aug 2
Jul 11	Aug 16	J.	Sep 1
Aug 9	Sep 15		Sept 30
Sep 8	Oct 14	Oct 22	Oct 30
Oct 7	Nov 13		Nov 28

### Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
,-	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
64	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarning is visible without fensilumination, Menthrane exhibits some necroic issue and possibly lew small holes (<0.5 cm diameter). Forearm skin may be fashing and discolored along the majority of the forearm.
	Heavy damage. Deteriorated wing membrane and necroitic tissue. Isolated holes -0.5 cm are present in membranes. Necroitic or receding plagiopatagium and/or netronanium are autident.



Property of: Environmental Solutions & Innovations, Inc. 781 Neeb Road. Cincinnati, OH 45233 (Phone: 513-451-1777)

Date: 14 Jul 2611 Republic Project #: 340.01 Project Name:

SEMECA County: 古〇 State:

Biologists: J. Basiaer + M Flynn 00 Site name/#:

GPS Unit #: ES

465670 Camera #: Can 67

### MOON PHASE\*

Waning crescent Waxing crescent Full moon

Waxing gibbous

New moon

Last quarter

Waning gibbous First quarter

	Comments													
	% Cloud Cover (estimated)	50%	40%	7.05	40%	10%	1100	807.	80%					
WEATHER DATA	Wind Direction: From to	l	1	1		1	)	1	1					
M	Wind Speed (estimated – see chart)*	1	1	1	(	1	1	1						
	Temp (°C)	20.9	19.61	18,8	18.6	178	180	18.6	10.0	70	0.0	V		
	Time (0000 h)	200	7150	2200	2230	2300	2330	0000	5030	Solina	0810	0500		

Net/Trap/Anabat	It Net/Trap Type1		Latit	atitude		Longitude	apr	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
Ø	0.24	0 17	10	N. 5.Ch	· 0		W" P.S.	00	6	3035	200	814
Ð	77	0 17	. 01	7 . S. I	000		W. O. 81	9	0	3040	202	8-13
۵	12t	0 17	. 01	N. 8. 77	60	0	W. O. O.	(0)	-0	2645	210	<u>0</u> 0
Net Placement/Site [	/Site Description	7.10	101	N. 8.50	(5) (5)	ō	(7.7' W	9	٥	2050	215	8 8

Time (Ad/Jv)	(M/F)	repro.	) (6)	(mm) (F	F/M/E) WIT	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
2130 AS	7 7	1/1	7,5 4	1 5	J.	0	870
2230 1	A C	1 1	775 4	16 1	7	0	
2300 Ad	下下	7		<u></u>	7	0	
1000 Ad	A	7,	8.95 V		5	(	extering in this (8) will by
DODO AN	EL.	76	30,75	17	L	0	)

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back



Property of: Environmental Solutions & Innovations, Inc. 781 Neeb Road. Cincinnati, OH 45233 (Phone: 513-451-1777)

### **NET SITE HABITAT DESCRIPTION**

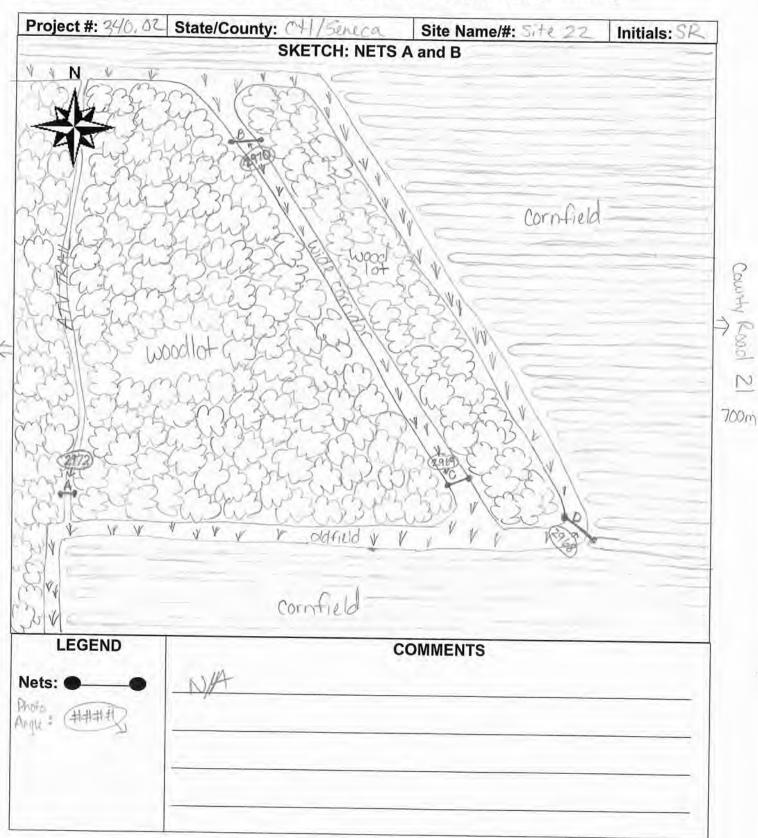
Project #: 340.0Z	Date: 14 July 2011	Biologists: E Bas	SIZET S REDIES
Project Name: Tetratech	Republic	Site Name/#:S	122
State: OH County:	Seneca	USGS Quad:	ir scala
Camera #: De Kodeck Picture #s Latitude: 4 0 1 7 18 Distance to closest water sour Water source name: private	3_"N rce (meters): 450 m	Longitude: 82	
ESTIMATED WATER SOURCE	CE CHARACTERISTICS	(IF UNDER NETS):	
Bank Height: N/A meters	Channel Width: N/	A meters Stream	Width: MA meters
Substratum: MABedrock _	_BoulderCobble	GravelSand	dSilt/Clay
Still Water Present (Y/N):	Average Water D	epth: MAm or cm	Clarity (H,M,L): N/A
VEGETATION:			
Dominant Canopy Species (> Acer rubrum, Acer sa		odominant Canopy Sp wrus palustris, Ti	pecies (< 40 cm/16" dbh)
- Queras polustris, a	W. A	Fraxinus pennsyl	
Tilia amirisana, fagu	×	Imus rubra , Ar	
Estimated dbh range: Lg: 80		imated dbh range: Lg	1: 39cm Sm: 13 am
Relative abundance of domina			and Resident
Estimated canopy closure:	<u></u> ∠ Closed	Moder	
Roost tree potential consists of			
Roost tree potential for the are		_ <u>\D</u> Moder	
Roost potential comments:		gn cluttered by	*/
Subcanopy clutter:	Closed	<u> </u>	
Subcanopy comprised largely	of: Lower Bra Canopy Tre	nches ofSapling ees	gsShrubs
Common Subcanopy Species		idam Arur	rubium
Habitat Description: Habitat	a from the same of the same	adjurent to m	midds
with 9m corridor		, 1	
Check all that apply:Mature Upland ForestRYoung Upland ForestPMature Lowland Forest \_W	Recently Logged Forest Pine Plantation Voodlot/ForestEdge Old Field	Crop/Pasture Land Stream/River Emergent Wetland Forested Swamp	Shrub/scrub Swamp Vernal Pool Deepwater Lake/Pond _Other
Herbaceous Cover: Spa	rse <u>Moderate</u>	Dense	



Township Road 179 900m

Property of: Environmental Solutions & Innovations, Inc. 781 Neeb Road. Cincinnati, OH 45233 (Phone: 513-451-1777)

### NET SITE HABITAT DESCRIPTION (continued)



Revised June 2007

MINICA Camera #: F.B.Kodak 22 MSSite name/#; \$ ± € Date: 12 July County: Pepular Project Name: 724 448 BM Presinon GPS Unit #: E 95.28 Project #: 340, 02 State: ONO Biologists:

		WEATHER DATA	AIA	
Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
2100	26.1	0	205	1
2130	24.3	0	25.977	
2200	25.0	7	20%	1
2230	2	Ta	308	
2300	20.5	10	(00,00)	
2330	6 6	0	3008	TOSU ST
0000	70.7	C	(000)	hard han
0030	200	0		
0/100	2 3	2-/	50 %	(
0130	21.	1-3	50%	
0200	26,2	6-17	Same	
0230	20.2	6.1	2005	

Waypoint #	720	333	200	100
Picture #	2973	2970	2969	1000
Time Up Time Down	5/5/0	0/50	0155	0200
Time Up	Short	2050	20st	2170
Height (m)	1	6	0.6	0.0
Length (m)	9	V.	0	2
Longitude	W" 180. 98. 28	82°59 '079 "W	W. 7.20. FS. 28	W. 1 20. ES. D
Latitude	N. H'ZZ . 11 . 15	N. 36.5 "N	N. 822. 11 . 17	1 . 1 . 27, I'm
Net/Trap/ AnaBat Serial #	4	00	0	
Net/Trap/ or AnaBat		172	717	N. Line

No

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Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	<b>)</b> (a)	RFA (mm)	Belly (F/M/E)	Wing Index*	elly Wing Index* Comments (0-3) Picture # /Guano/Hair Sample
Edtesions fusaus	2120		IT	76	135	45	U	0	2949
E fusque	2150	1	2	>	16.0		4	0	12
E. Lasais	2150		u	70	18,5		2	0	N/4
E. fusas	2200		4	0/	19.5		2	C	AVA
Laburus bornalis	22/0		4	N/N	08		U	0	2943
E fustus	22/0		Z	-	50		2	C	N/A
E. fusus	2210		11	20	17.35	1	2	)	Know Chillian Dear
T. Jusais	2230		<b>ブ</b>	<	6.9		2	C	
TI-105005	2230		2	<	8.7.		H	C	A 1.44





## RAT CADTIDE DATA

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Circinnati, OH 45232 (Phone: 513-451-1777) WEATHER DATA

) IVO	DAI CAPTURE DAIA		(xxxx h)	(°C)		Wind Speed (estimated – see chart)*		% Cloud Cover (estimated)	Comments
0110			2100	19.		13	0/	20%	
Project #: 270°	Date: 14 July 20		2/30	0.0	0	1-3	2	20%	
Project Name: 18+10+001	h Remablic		2260	1	22	0	(0)	120	
			2230	10	10	0	X	Nex Xex	
Biologists: + Posturer	Site name/#: 3 12 ZZ	7	2800	14.	10		1	36	
State: Chro	County: Spared		2330	14.	0	Ċ	N	1	
20 12 1 " " I DOO	7		0000	7	100	0	STO	2007	
GPS Unit #:	Camera #: The Kode		0800	ĬŪ	10	C,	1	1	
			SYSO	(8)		0	V		
			0.30			(	15		
			0200	11.1	100		000		
			Î						
Net/Trap/ Net/Trap/	Latitude	Longitude	2	Length	Height	100	Time Down	Picture #	Wavnoint #
F	700	1,	1	E.	Œ		(xxxx h)	000	1
ないよう	-		<b>M</b>	9	18.2	2045	141	4972	134
0 1	N. S. S. 17 . 1/2	82 . 59 . 27	Λ	0	10,2	2050 0	05/0	2970	.033
1 tz.	41 . 17.8 "N	25 . 55 . 28	M <sub>a</sub>	0	9.0	2055 0	155/	29/3	0.83
Det D	41 ° 11 '27. "N	5.43. 62. 28	M. 5	00	0	2100 0	200	101.00	031

Capt Net/ # Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
- 00	Cotos fusos	2120	D	4	70	18.8	47	ננו	E	
	Milbits, Sententrionells.	2/40	Ad	Ц	70	00	34	M	)	1
13	C. fusions	240	46	2	->	14.10	14	17	0	NA
a s	E LUSOMA	2145	Ad	11	7	76	45	Z	0	A)
-	F fosoic	2155	AN	4	d	17.0	40	2	0	N/N
ب تو او	C Lussais	2200	Pol	1	d	8.9	Th	I	0	12
2	F. 40520.5	220	Ad	4						MOONTHULE
5	E. Auscus	2200	7	2	•>	17.0		Σ		12
0	4300	225		1						Harris Ros

DEVENDENCE OF THE PARTY OF THE

MRANIBA

Net Placement/Site Description:

TReproductive Condition: Female = NR PG/LPL. Male = ↑ ↓ \* Refer to table on the back



4	Comments Picture # /Guano/Hair Sample	NA	Maka Continue	A/V	N. T.	A/Z	<b>₩</b>	\$22	AZ.			Description	No damage. Fewer than 5 small scar spots are present on the membranes. Light damage. Less than 50% of fight membrane is depigmented (splotching), where is always with translummation.	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarning is visible without translumination. Membrane exhibits some necroic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the torearm. The law admage. Deteriorated wing membrane and necroic tissue. Isolated holes +0.5 cm are present in membranes. Necroic or receding plagopatagium and/or chicopatagium are evident.
Initials: F /	Wing Index* (0-3)	0		0	00	de	C	00	0				No damage. Fewer Light damage. Less	Moderate damage. Greater (splotching). Scarning is visionable be flaking and discolored a Heavy damage. Deteriora 9.0.5 cm are present in me chiropatagium are evident
Initia	Belly V (F/M/E)	Σ	1	21	VΣ	2	Z	52	Σ			Score		3 2
	RFA (mm)	7	45	36	12	33	7/10	147	1/4					
	Wt (g)	15.5	17.9	00	000	100	120	20	300			-		
2011	Repro. <sup>2</sup>	1	1	N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/	10	120	10	7	1 / N	4		1		
S. Ho	Sex (M/F)	1	4	17	TI	U	1,2	2	711			i _(r		1111111
Date: 14	Time (Ad/Jv)	2220 Ad	2220 Ad	12240 JV	2250 Pd	2256 %	240 40	23,0 Ad	2350 Ad			-4	ndition	by wind vanes and vane moved by wind and vane moved by wind average signt flag as are moved asvelets on inland water whistle, umbrellas used with difficulty alking against wind
2	Species	rsions frisms	450	September September	Surus bordalis	applicationers	E FASCUS	T. Swsus	Danius Parzelis		1		Visible Condition	Smoke rises vertically  Smoke but not by wind vanes  Direction of wind shown by smoke but not by wind vanes  Wind felt on face leaves nustle, ordinary wind vane moved by wind  Leaves and small lwings in constant motion, wind extends light flag  Rease dust and loose paper, small branches are moved  Small lives in leaf begin to sway, crested wavelets on inland water  Large branches in motion, telephone wires whistle, umbrellas used with difficulty  Winole trees in motion, inconvenience in walking against wind
CHO.	le: Ltva-	407	السلا	ĪŽ	J.	I		·					Description	Calm Light Arr Light Breeze Gentle Breeze Moderate Breeze Fresh Breeze Strong Breeze Moderate Gale
Project #:	Project Name: Capt Net	· 0	-00	NW	900	1 0 0 0 0 0	200	101	50				Wind Speed (mph)	1.3 4.7 8-12 13-18 19-24 35-31

Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)



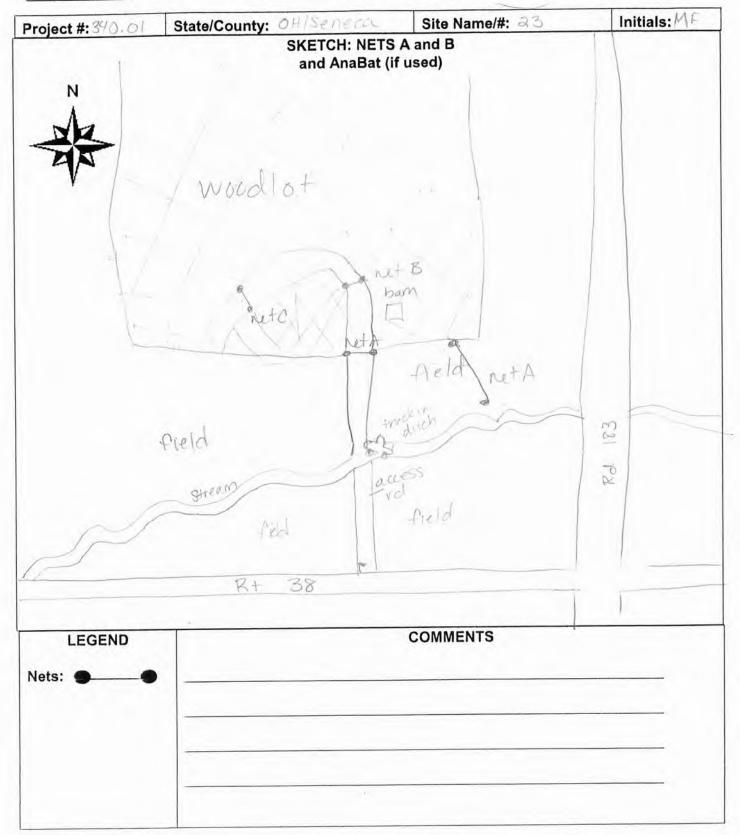
### **NET SITE HABITAT DESCRIPTION**

	: 340.01		9: 16 Juli		ts: J. Da		- HOW
Project N	Name:	2210-6			ne/#:	- W. A.	
	OH_ Co		50	USGS Q	uad: Fire:	side	
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	Lai	titude	Longit	tude	Picture #	Waypoint #
Turk	7 mapar condin	211 0 16	26-2 "N	82 . 57	45,4 "W	840	23 A
11.21-	P	LH . HA	77 - N	82 . 57	545 W	859	23 B
JULY 1	0	41 . 10	79 2 'N	82 . 57	30-2-11	133	23°C
ms+	5		30.7 N	222	53.8"W	7.30	230
			rs):	_ Type	of water sour	ce.	
111 7 7 7 7 7 7 7	ource name:						
			ACTERISTICS				
Bank He	ight:m	eters Chann	nel Width:	_meters St	tream Width:	met	ers
			rCobble				
			erage Water De				_
VEGETA			<b>O</b>				
	nt Canopy Spec	ies (> 40 cm/16	5" dbh)	Subdominant (	Canopy Spec	ies (< 40 ci	m/16" dbh)
	it danopy oped				*377		
Car	00 300	A.C.		THE	1. 29	STUIN.	
26	uruis a	Cal			14.00	. 1 1	
	ed dbh range: L		. 10	Estimated dbh	range: La:	Sm	1:
Daletine	abundance of	lominant ve. su	bdominant (rati				
			Closed	·/·	Moderat	e	Open
	ed canopy closu						Neither
	ee potential con		Large T	rees	Snags		
	ee potential for		High		Moderat	7	Low
Roost po	otential commer	nts:	and the	TALK I	Mr. Janus	9130	and the same of
Subcand	ppy clutter:		Closed		Modera	te	_Open
Subcand	opy comprised la	argely of:	Lower E Canopy	Branches of Trees	Saplings	3	_Shrubs
Commo	n Subcanopy S	pecies:	ACUS SURE	0211212			
			Also a	JAL OLD			
Hahitat I	Description:	101 1 11	HALL SOM	The state	0.0	Jul L	100
	Habitat: N/A	V-					
	Il that apply: e Upland Fores	t Recentl	y Logged Fores	t Crop/Pa	sture Land	C	ther
	g Upland Forest		The second second	LStream/	River		
Matur	e Lowland Fore	stWoodlo	t	Vernal F			
Young	g Lowland Fore	stOld Fiel	d	Deepwa	ater Lake/Por	nd	
Herbace	eous Cover:	_ Sparse	Moderate	Dense			
Revised Ap	oril 2011			1			



Property of: Environmental Solutions & Innovations, Inc. 4525 Este Avenue. Cincinnati, OH 45232 (Phone: 513-451-1777)

### **NET SITE HABITAT DESCRIPTION (continued)**





Property of: Environmental Solutions & Innovations, Inc. 781 Neeb Road. Cincinnali, OH 45233 (Phone: 513-451-1777)

Camera #; COV 671 Date: 13 July Project Name: Republic County: Biologists: J. Basher Project #: 340,01 Site name/#: 23 GPS Unit #; State:

### MOON PHASE\*

Waxing gibbous
Last quarter New moon

Waning gibbous First quarter

Waning crescent Waxing crescent Full moon

		M	<b>WEATHER DATA</b>		
Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2100	20.9	1	1	0	
0812	730 20.1	Ī	(	0	
220018.7	18.7	I	1	10%	
7738 18.2	18.2	1	l	10%	
2300	811		ŧ	10%	
2330 127	123		į	10%	
0000	16.9	T C		(2	
SED	-0			0	
4	E,			4.2	
2	L. A.				
	15.6			0	

Net/Trap/Anabat #	Net/Trap Type <sup>1</sup>		Latitude	-		Longitude	apr	Length (m)	Height (m)	Time Up (0000 h)	(0000 h)	Picture #
W	>	0 / 7		Z	V	1 43	M <sub>u</sub>	8/	0	2100	020	048
8	1/1	0 11/	(6.1	N.	000	57.0	M.,	4	o)	2055	0155	839
U	N.	0	10 . SH.	N.	120	. 15	M <sub>u</sub>	0	0	2050	0155	838
9	N 3) 0		S - 2	1-	22	577	100	8	9	2045	05/0	837

Net Placement/Site Description:

1 A Exercus fuzzus 2200 Ad F 1 19 48 M 0 807,809,812 3 D Miscopentralis 2240 Ad M 7 165 33 M 0 807,809,812 4 D Extreme 2240 Ad M 7 165 44 M 0 5 D Extreme 2240 Ad M 4 16,5 47 M 0 6 O Extreme 2240 Ad M 4 16,5 47 M 0 7 O Extreme 2310 Ad M 7 18,7 44 C 0	Capt #	# Wet	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
2. 8 Most septentrionals 2205 Ad F I 6.25 34 \$ 0  3. 0 Miseptentrionalis 2240 Ad M n 6.5 35 M 0  6. Fuscus  0 E. Fuscus  0		H	E chesicus fuscus	2200	AC	y	1	61	85	m	0	
20 Misestertionalis 2240 Ag M p 6.5 33 M 0  6 E. Fuscus 2240 Ag M p 16.5 47 M 0  2240 Ag M p 16.5 47 M 0  2310 Ag M p 18.75 44 M 0  E. Fuscus 2310 Ag M p 15.25 45 M 0	2	B	Mot septentrionals	2205		A	11	6.25	34	#	0	807809812
10 E. Fuscus 2240 AS M 165 44 0 E. Fuscus 2310 AS M 4 16.5 47 1 0 E. Fuscus 2310 AS M 1 18.75 44 1 0 E. Fuscus 2310 AS M 1 15.25 45 1	3	0	M. septentionalis	2240	B	N	V	6.5	33	M	0	
E. Farcus 2240 Ad M & 16,5 47  C. E. Farcus 2310 Ad M 1 18,75 44  C. E. Farcus 2310 Ad M 1 1525 45	1	0	E. Fuscus	0,522	For the	111	*	16.5	177	M	0	
0 Etherus 2310 As M 1 1875 AS AS 10 Estrocus 2310 All M 1 1525 45	X	0	E. Farcus	2240	Al	M	¥	16,5	14	M	0	
2310 MM M D 1525 45		0	E fascus	23/0	AS	M	1	18,75	H	U	0	
	X	0	E. Fissays	23/0	FH	n	6	15.25	45	M	0	

I M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back.



e: Oth County: Sesser, M. Flynn	J. Basis	Project Mame: R	VI Poublic	Date: 15 July
ogists: J. Bastso, T. T. L. M.D.	J. Basisco , C. T. Lynn.	State: OH	County:	- 77
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The word	Biologists: J. B.	3	

### MOON PHASE\*

	rn.	
	pons	-
100	digi	arte
Ξ	axing	stan
Se	Wa	Las

quarter ng gibbous

Waxing crescent	First
	The Party of the P
Full moon	Wanin
Waning crescent	

Time	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2010	167	1	ſ	0	
0	765	)	ĵ	0	
2.10	10.00	1-3	MAL	0	
230	255	12	一八十山	0	
100	200	1-3	111/1/11/15	0	
	3.	)			

Net/Trap/Anabat	Net/Trap Type¹	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
#				101	10			SULM
12/	13	N	M	3/	5	2000		2/2
	17	0.00		1	0	2000		63.2n
0	151	N	Mr. S. CC.	٥	9	927		2034
13	100		1	3	-	PAN E		220
	V	Nu · · · ·	M <sub>n</sub>	7	(Y)	1200		×30
y	1					SHOW		101
J	100	10 10	- 42 CO UNIT	n	0.0	Chris		0.0

Net Placement/Site Description:

Capt #	Net	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(g) Wt	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Picture # /Guano/Hair Sample
	F &	F. Liver Even	OGTZ	AC	V	10	18	21	M	0	RECOLD From FIRST WIGHT
10	4	1000	72027	A	X	1	15,79	ħħ	M	0	*
10	1	Mark gooden trianil	222	And	1	>	163	100	1	O	×
1	C		1720	7.7	2	>	10	559	11.5	0	*
·U	10	C -WS Cus	222	P. H.	W	4	17.5	45	M	0	*
1	25	The following	37726	~	2	>	17.35	12	17	C	*
10	Z Z	E See a	7300	J. T.	U	12	187	11	Z	0	
Se	N	Lasites har all	2300	7	17	NA	25	14	M	0	pic 841
6	D	2005	2300	Ad	4	76	18.73	86	L.	0	
0	Q	Secretary transport	2330	Ad	T	F PL 5,5 33	5,5	3	M	0	

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back



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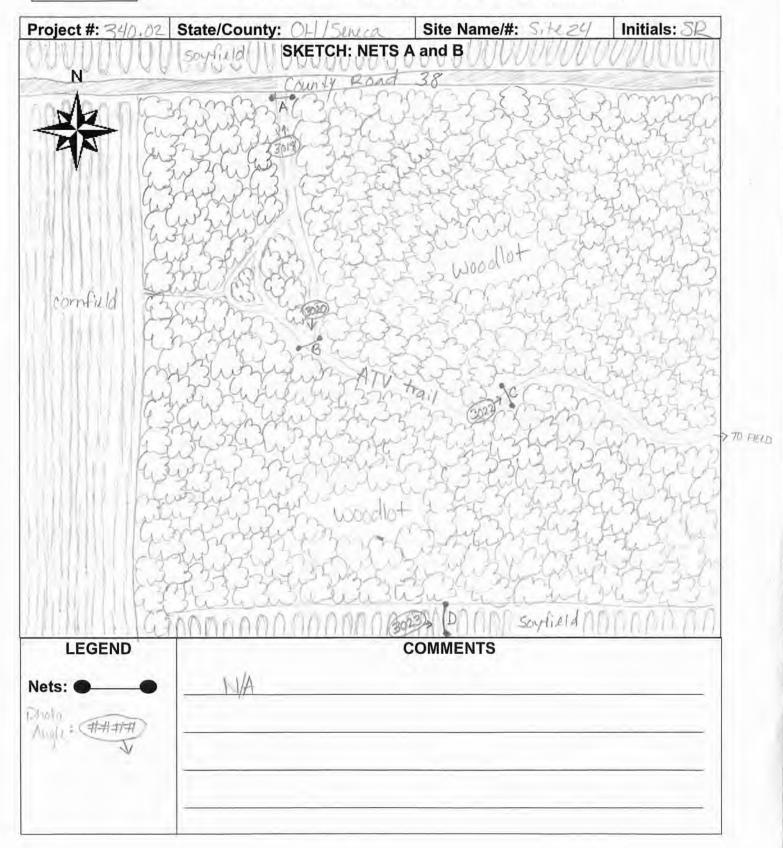
### **NET SITE HABITAT DESCRIPTION**

Project #: 340.02 Date: 15 July 2011	Biologists: F. Posiger, S. Ronos
Project Name: Tetratech Republic	Site Name/#: Site 24
State: OH County: Seneca	USGS Quad: Firesicle
Camera #: Blank Picture #s: 3/18 - 3/523  Latitude: 4/ ° 09 ' 56.5 "N  Distance to closest water source (meters): 4/00 m  Water source name: want of the paragraph	Longitude: 82 ° 56 ' 51.9 "W  Type of water source: diffh
ESTIMATED WATER SOURCE CHARACTERISTIC	S (IF UNDER NETS):
Bank Height:meters Channel Width:	meters Stream Width: MA meters
Substratum: MA_BedrockBoulderCobble	GravelSandSilt/Clay
Still Water Present (Y/N): NA Average Water D	epth: MA m or cm Clarity (H,M,L): MA
VEGETATION:	
Dominant Canopy Species (> 40 cm/16" dbh) Su	bdominant Canopy Species (< 40 cm/16" dbh)
- Aurous alba	Acer rulicum
Fearings whitesylvanica	Acre Suthernen
	timated dbh range: Lg: 31cm Sm: 25cm
Relative abundance of dominant vs. subdominant (ra	tio):_/*/\(\bar{\bar{\bar{\bar{\bar{\bar{\bar{
Estimated canopy closure:Closed	ModerateOpen
Roost tree potential consists of:Large Tre	esSnagsBoth Neither
Roost tree potential for the area is:High	ModerateLow
Roost potential comments:	
Subcanopy clutter:Closed	Moderate <u>V</u> Open
Subcanopy comprised largely of:	anches ofSaplingsShrubs ees
Common Subcanopy Species: Common Subcanopy Species:	SD.
Habitat Description: Making mesic woodlat	with fun grubs and open
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland ForestYoung Lowland ForestYoung Lowland ForestSparse Recently Logged ForestPine PlantationWoodlot/ForestEdgeOld Field  Moderate	
Tierbaceous Cover Sparseiviouerate	



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### **NET SITE HABITAT DESCRIPTION (continued)**



## BAT CAI

Project Name: Tatrata Biologists: E. Bosner, S. GPS Unit #: 千 9 < 2 8 Project #: 340,52 Onic State:

CAPTURE DATA			WEATHER DATA	ATHER DATA	
	Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
	2100	24.5	1-3	200	1
Date: 5 10 20	2130	22.9	1-3	250	
Sarie	2260	22.4	10/	260	
	2230	21.6	0	3%	
Site name/#: Oth	2300	21.5	C	000	
County: Same Ca	2830	21.7	C	3%	1
; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	SOON	21.2	C	250	
Camera #: 70 Tal	0200	20.00	C	200	
	6700	21.0		0.00	1
	0/8/2	8.08	0	1,5	
	0200	20.6	Q	0.8%	
			2		

62 2045 0145 30/8 62 2080 0150 3020 92 2055 0155 3022 9.2 2150 men 3723	Net/Trap/ or AnaBat	AnaBat Serial #		Latifu	titude		27	Longitude	Length (m)	Height (m)	Time Up	Time Up Time Down	Picture #	Waypoint #
9 97 2050 0150 3022 1055 0155 3022 18 9.2 2150 mass 2023	177	7	o	0	3	Z	8.8	M. 505 .	(4)	(0)	SWK	Shile	3/68	439
1 9 99 2055 OISS 3022 1	777	5	o		145	Z	82.56	M. 8 617 .		(8.0	TIKA	6)SA	2750	250
18 42 2150 man 2012	1	211	0	. 0/	1.7	Z	87.58	W. 47.6 "W	Đ	60	2050	7510	2072	1001
	トラフ		0	. 07	6	Z	75.68	M. 8.87	8	2.0	2150	Daga O	3023	2012

- 4	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	) (g	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
2:	S SINTAMORELIS	2145	Act	2	<	09	2	(T)	0	2973 - 2373
173	PSINGS AUSTUS	2200	And	1	PL	18.2	416	14	0	**
	Fuscus	2205	And	4	70	0.91	675	14	388	0-2981 Long
	E. Austus	2210	N	2	<	9.0	40	Z	0	N/N
4-	Fuscus.	2210	3	Z	<	5	54	2		SOFFE S
	E fusions	2210	>	2	4	1.7	43	2	0	N/A
	TI 4364.8	2210	A	Ц	d	18.0	87	2	0	2982
4	F. 445015	2210	No	2	->	10	43	2	0	NA NA
	からいか はないかんしゅ	139EN	A	11	ō	112	10	100	(	21.14

1 Reproductive Condition: Female = NR PG L PL; Male = T↓ \* Refer to table on the back



Project Name: Terra-ech	1 Republic	Site Nam	ame/#:	i,	4 24			Init	Initials: $-6$ .	SR
	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
The state of the s	De Joseph	2250	No.	11.	7			(1		Formula hand
1	fuglis.	0522	3	П	X	138	45	2	_	が、井の伝
11	Mier d	2255	>	П	NA	011	44	2		Sporting
18-7Z	CONTACTORS -	280	PV	LL.	10	1.	B	I	0	N/A
1	Frecus	2300	Aci	4	70	23.2	431	LI	0	N/A
H	Chester of	2325	100	2	4	17.2	17/7	2	0	N/N
14	Name of the second	282	Pol	14	Ē¥,	20.2	ST	Ц	0	CANL Bus 1212
1-	-Charles	OSEC	>	4	N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/	14.9	410	2		Same of the
) KL	- FI-0 6	2586	AN	4		22.0	47	LL		WIND PAY A T
17	fastus	0000	\$	5	<	0.0	45	П	0	N.A
*	Acces	0,000	AA	4	à	12/2	17.7	2		SESSIVA CO
NET.	Contract of	1000		2	4	TUT	4.0	Z	0	CO105-45-100 35 30
117	3775	MAZS	Acel	Ш	70	18	617	4	0	N/A
16	Design	200	And	L	B	20,3	27	2	0	MINE THE WILLIAM
VI	No. Chin		70	U	1/6	MA	5/73	2	0	まつ
Phi	,		Tel	10	ā	80	67-	Z	C	N/A
a Far		I I I I								From Me
and and	- fusous		Ad	(4)	Ja.	242	2/1/2	1.1	0	NA
		Ŷ		1	-					
Description	Visible Condition							Score	1	Description No damage. Fewer than 5 small scar spots are present on the membranes
Smo	Smoke rises vertically							-	Light damage. L	Light damage. Less than 50% of light memorane is depigmented (sploutning), which is often visible only with translumination.
+++;	Drection of wind shown by smoke but not by wind vanes. Wind felt on face, leaves rustle, ordinary wind vane moved by wind Leaves and small twigs in constant motion, wind extends light flag.	ane moved by wind extends light flag						6	(splotching). Sca necrotic tissue at	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (spicibring). Scaring is visible without translumination. Membrane exhibits some necrobic tissue and possibly few small holes (<0,5 cm diameter). Forearm skin may he fishing and riccolured along the magnity of the forearm.
9	Raises dust and icose paper, small pranches are moved. Small trees in feal begin to sway; crested wavelets on inland water. Large branches in motion, telephone wires whistle, umbrellas used with	re moved lets on inland water stle, umbrellas use	s with difficulty	117					Heavy damage. Deterioral >0.5 cm are present in me	Heavy damage. Deteriorated wing membrane and necroix lissue. Isolated holes >0.5 cm are present in membranes. Necroix or receding plagiopatagium and/or mortanam are evident.
	Whole trees in motion, inconvenience in walking against wind	g against wind						1	and a state of the	

Property of: Environmental Solutions & Innovations, Inc.

Date: 19 July 2011 A.V County: Santra Site name/#: Camera #: Biologists: Elesant, S. Captain 00 Project #: 340.02 GPS Unit #: E952 Project Name: State:

1	OHO	Mind Coop	P	
(xxxx h)	(°C)	(estimated – see chart)*	Cover (estimated)	Comments
2100	V) = 0	1-3	60	1
2130	23.7	4-7	0%0	1
2205	5	1-1	1.001	
2230	23.8	4-7	200%	
2300	24.00	6-1	1000	
2330	21.12	01-18	1000%	
0000	54.4	4-7	100%	
0800	246	0178	1700	
00.00	to no	CITY	156	
08.10	24.8	1-7	1000	
0200	2 50	4-2	188	

Up Time Down	-	S 0150	5 6 55	0 0200
Time Up	204	208	502	210
Height (m)	6.2	0.0	9.3	9
Length (m)	9	9	0	No.
	M <sub>a</sub>	M., ×	۸ <sub>۳</sub>	M <sub>u</sub>
Longitude	05.0	800.00	. 47	\$
٦	150	VI.	100	35
	8	5	8	00
	Z	Z	Z	Z
atitude	0	7	7	- 1
Lat	9	9	9	-
	0 1/7	•	0	0
Net/Trap/ AnaBat Serial #	4	63		
Net/Trap/ or AnaBat	ージ	なった	127	ナンシー

Waypoint #

Picture #

2

Francis I dred lot

1000

Picture # /Guano/Hair Sample

Comments

Wing Index\* (0-3)

Belly (F/M/E)

RFA (mm) 50 V

¥ (6)

Repro.<sup>2</sup>

Sex (M/F)

172,780

TOO SOUS

PRESERY

A/N NA

5,00

Ø

Net Placement/Site Description: NL4s A. B. a. Coccass ATV +rall in wooship. Nut Court

u)	र के य
	サスラー
	9
	Y 15
5 0	
Net	1000 ctc
#	-Ward
0	_

2150 JV 2150 JV 2225 Ad 2225 Ad 330 Z225 Ad 330 Z225 Ad 330 Z225 Ad
2225 Add 222
Fusing 2225 Ad Fusing 2225 Ad Fusing 2225 Ad
Fu-us 2225 W

\* Refer to table on the back 7 Reproductive Condition. Female = NR PG L PL, Male = ↑ ↓



SCSR	Comments Picture # /Guano/Hair Sample	N/A	11/4	NA	2/2	NA	Sporting on Lunc	¥2	3026-27	₹/Z	Calles an excession	20.00	-130 F 320	N/A	NA	A.Z.	50.02-303/		Description	No damage. Fewer than 5 small scar spots are present on the membranes. Light damage. Less than 50% of flight membrane is depigmented (splotching).	Moderate damage. Greater than 50% of wing membrane covered with scar fissue (Splotching). Scaring is visible without ransjummation. Membrane exhibits some nervoic tissue and possibly lew small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the torearm.	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagopalagum and/or chiropatagium are evident.	Page 2 of
Initials: 58	Wing Index* (0-3)	0	S	0	0	C	)	O	0	0	O	(	Ö	C	0	0	0	Ī		No damage. Fer Light damage. I	Moderate dama (splotching) Sca necrotic tissue a be flaking and di	Heavy damage. Deterioral >0.5 cm are present in me chiropatagium are evident.	
Initia	Belly (F/M/E)	4	U.	5.	И	J	LL:	L.	2	Z	2	2	Ц	VI.	2	U.	2		Score	0 ,	2	m	
	RFA (mm)	43	5/7	17/16	150	107	17/1	T/W	7	210	100	45	17/5	787	5/5	17/7	75						
	Wt (g)	2.5	13.00	13.60	5.5	6.0	2.5	Ž,	V	16.3	7.0	37.55	6.0	32.2	30	13.7	22.5		1				
777	Repro. <sup>2</sup>	4	3	ME	4	<	2	4	74	<	I	4	p	N	>	Y	2						
T.V	Sex (M/F)	I	Ц	4	2	2	4	2	L	2	14	2	H	14	2	4	Ц					6-1	
Site Name/#:	Age (Ad/Jv)	3	3	1	Ac	>	P	3	10	3	Fol	7	Ded.	A.c.	Ad	2	3					with difficulty	
Site Na	-	2530	SAN	2320	2325	8	8	2.50	125	2352	2355	1.00	0200	288	1007-	unch don't	No.				nd vanes ane moved by wind I extends light flag e moved	ets on inland water ite umbrellas used gagnist wind	ess
Horh Browklin	Species	Honor fusion	3 7/5 0)- 1	T. Alien	FIRM	H 10.00c	1	SWART Y	Luru Cadalir	T. Ascus	in the Marine		1 Jessey	STAN H	A Comment of the Comm	A.S. A.	1) N. 511 15150			Visible Condition	Smoke rises venically by smoke but not by wind vanes Direction of ward showing by smoke but not by wind vane moved by wind. Wind felt on face, leaves rustle, ordinary wind vane moved by wind. Leaves and small bugs in constant motion, wind extends light liag. Passes divist and hose name, small branches are moved.	Small trees in leaf begin to sway, crested wavelets on inland water Large branches in motion, telephone wires whistle, umbrellas used with difficulty. Whole trees in motion, inconvenence in walking against wind	Breaks wigs off trees, generally impedes progress
me. Totor		(1)	1	1.17					26	411	P-Almer	10.00			2	-				Description	Calm Light Breeze Gente Breeze	Fresh Breeze Strong Breeze Moderate Gale	Fresh Gale
Project Name	Capt Net	- 2	12	THE I	-	4	U	1	2	7	20	10	2		10		e i			Wind Speed (mph)	1.3 4.7 8-12	26-31	39.46



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### **NET SITE HABITAT DESCRIPTION**

Project #	#:340	D	ate: 13-30 - 11	Biolog	ists: 2. Casis	0.0	
Project I	Name: Abba	Lhic			ame/#: 26		1
	Co		r.A.	USGS	Quad: Firesi	de	
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #		Latitude		ngitude	Picture #	Waypoint #
A = A	N.	41.10	' 32.11 "N	100 55	· 54.5 W	557	
_6_	/V	11101	1. 31.3"N	10000	54.7"W	85%	
	/V	111 . 12	1 99.6 N	-00	'57/ "W	857	
Distance	to closest wate	1 1 - 1 - 1 - 1	tors): ER	Typ	' 537/ "W	The state of	
	urce name:		- 30	_ 1 yp	e of water sour	e Ircan	
			RACTERISTICS (	IE LINDED A	ETCL NIM		
			nnel Width:			ولافانيد	
					arian market and a second and a second and a second		ers
			derCobble _			7-0-7-9-0	
		); A	verage Water De	oth:m o	r cm Clarity (	H,M,L):	_
VEGETA		A 14	220 000	A MARKETONIA A	ar complete or	0.30	
	t Canopy Speci us a/ba	es (> 40 cm/	16" dbh) S	Subdominant	Canopy Specie	es (< 40 cm	1/16" dbh)
-1	rubrum			Heerry	1	_	
NECT	ruprun			- 1	cehirum		
	Land de la companya d	11	de		pensylva		
					n range: Lg: 3	9 Sm:	10_
			subdominant (ratio	1:1:35	-		
Estimated	d canopy closur	e:	Closed		Moderate	(	Open
Roost tre	e potential cons	sists of:	Large Tre	ees	<u></u> ✓Snags		Neither
Roost tre	e potential for the	ne area is:	High_		Moderate	$V_1$	.ow
Roost pot	tential comment	s: Tight	bark				
Subcanop	by clutter:		Closed		_ ∠Moderate	(	Open
Subcanor	by comprised la	rgely of:	Lower Br Canopy T		Z≲aplings		Shrubs
Common	Subcanopy Spe	ecies;					
Habitat D	escription: <u>La</u>	rae Wor	dot surrou	nded by	crop land	1	
AnaBat H	abitat: N/A	9					
Check all	that apply:						
Mature	Upland Forest		ly Logged Forest		asture Land	Oth	ner
	Upland Forest	Forest			River	-	
The second second second	Lowland Fores Lowland Forest			Vernal I	Pool ater Lake/Pond		-
	us Cover:	Sparse	70.00				
Revised April		ahaise	Moderate	Dense			



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### **NET SITE HABITAT DESCRIPTION (continued)**

roject #: 340,02	State/County: OH/Seneca	Site Name/#: 26	Initials:
Toject #. 3/012	SKETCH: NETS	A and B	1
	and AnaBat (if	useuj	
N	Crops		
M			
	(AB)	/	//
	TR136	Trail of A	
	A ATV	Trails A	
Crops	H KY	27/8	
-19		(2)/6///	
		5 5/1/	
		SCHI	
1			
527	5		
	Wood	// ///	
	//		
	// Crop	105	
	//		
	. //		
LEGEND		COMMENTS	
Nets:			
			•

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## BAT CAPTURE DATA

Date: 15 Jul 201 Project Name: Repulping Project #: 340.0

FLUINN County: Serveco Biologists: State: OH

BUSIDEY

Site name/#: 30

Camera #: GPS Unit #: 551455 70

### MOON PHASE\*

Waxing gibbous Last quarter New moon

Waxing crescent Waning crescent Full moon

Waning gibbous First quarter

Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
33.0			(000)p	
30		)	60%	
			£)	
21.7	0	(	2005	
ik.	0		100%	

Ę			00	
Time Down (0000 h)				
Time Up (0000 h)	3080	2035	SOHO	30,08
Height (m)	0	9	9	2)
Length (m)	Ö		0	,
Longitude	58 545	8.48 . 59	W. 125 . 55 . 28	55 53,7
Lafitude	N. 45.25	N. 5//E .	N. 9.62. 01.16	0/ 1/
Net/Trap Type <sup>1</sup>	NOF	NE	1.00	Net 5
Net/Trap/Anabat	A	d	) c	0

Picture #

038

858

0 Net Placement/Site Description:

Capt #	# Wet	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro, 2	(g) Wt	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	60	E MARSIANS FOR LIVE	03/120	401	Life	70	17	43	Ш	0	895,
00	Ø	Musella Stores ones	21.20	Ad	13	70	6.75	37	W	O	1830 839 X
a	d	J 40.008	22,00	AC	П	R	<u></u>	20	M	0	
2	4	V Alcens	02.80	马	11	NA	14.25	ココ	Σ	0	
4	T	2008	3330	30	~	(	10,75	95	M	0	
100	9	Krows	2230	707	D	70	24.5	43	N	Ö	
N	Q	E. Fuscus	2230	Ad	₩.	R	24.75	10	I	0	
00	U	F. PISCUS	28.50	J.	Z	<	1835	9	I		
8	5	E Aiscus	ARBO	1	ريا ا	8	61	1,5	I	00	
6	2	La Colonia	0500	100	Σ	>	7.5	0)/5	(A)	<u>ට</u>	*

 $^{\rm I}$  M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back



Date: 15 Jul 2011 Project #:

Proje	ರ	KERWISTIC	Site	Site Name/#:	90				ī	Initials:	
Capt #			Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
7	٥,	£ fuscus	2230		1-1-	7	18,5	thi	1		
Ce		E. Puscus	2330	J.Y.	Σ	+	15,75	hin	Σ	0	
25	Ç	E. ANSKUIS	2330	Ad	2	>	5.8	147	L	0	¥
Ī	0	E AUSOLIS	9330	M	u	70	50	177	2	C	
5	0	E ASONS	2230	Act	2	À	1625	Ch7	2	0	*
9	O	E PUSCUS	3330	Ad	Z	->	9	17/7	Ħ	0	*
-	0	E. ANSCUS	3230	Ad	L	29	00	27	0	0	
00		E AUSCUS	2500	10	M	NK	7	77	2	0	
0	4	E. ASCUS	25.00	AL.	IL	NR	15	573	Z	0	
20	Ø	6 PUSEUS	A350	MA	ü	73	750	700	IT	0	
0	()	£ fuscus	2300	Ach	4		57.33	T.	47	0	
20	2)	E Phisums	2300	PA	N	>	17	7(3)	L	0	X
60	U	E. Ansons	2300	Acl	IL.	2	20.0	17/7	A	C	
20	0	E EUSUS.	0.880	100	+	70	76	V	L	0	
40	٤)	E Nyscus	2300	401	(A.	29	(2)	100	14	0	
8	0	5 AUSTUS	9300	Ad	Z	4	18,23	5	TT	0	*
	7	E FINSONS	03300	AN	الحا	70	34,35	7.7	Lu	C	173.740
200		Showings	2345	Ad	M	1	17.25	好	T	0	*
70	Ø	E. FUSCUS	2385	Ad	M	~	53	94	L	0	

Scale
Wind
Beaufort

Wind Speed (mph)	Description	Visible Condition	New
			Feb 13
	Calm	Smoke rises vertically	Mar 15
	Light Air	Direction of wind shown by smoke but not by wind vanes	Apr 14
	Light Breeze	Wind felt on face; leaves rustle; ordinary wind vane moved by wind	May 13
	Gentle Breeze	Leaves and small twigs in constant motion: wind extends light flag	Jun 12
Ī	Moderate Breeze	Raises dust and loose paper; small branches are moved	Jul 11
	Fresh Breeze	Small trees in leaf begin to sway, crested wavelets on inland water	Aug 9
	Strong Breeze	Large branches in motion; telephone wires whistle; umbrellas used with difficulty	Sep 8
	Moderate Gale	Whole trees in motion; inconvenience in walking against wind	Oct 7
ř	Fresh Gale	Breaks twids off trees: cenerally impedes progress	

### 2010 Lunar Phases

Wing Index Key

	Description	No damage. Fewer than 5 small scar spots are present on the membranes.	Light damage. Less than 50% of flight membrane is depigmented (splotching). which is often visible only with translumination.	Moderate damage. Greater than 50% of wing membraine covered with scar tissue (spubithing). Scarning is visible without translumination. Membraine exhibits some necrotic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.	Heavy damage. Deteriorated wing membrane and necrobb tissue. Isolated holes >0.5 cm are present in membranes. Necrobic or receding plagioparagium and/or
1	Score	0	+	2	- 4

Full Moon Mar 29 Apr 28 Apr 28 May 27 Jul 25 Aug 24 Sep 23 Oct 22 Nov 21





Project A	Vame:	Project Name: (2.4 DUL/D) C	Site	Site Name/#:	3				ī	Initials:	
Capt N	wet #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Samp
200	0	E PRISONS -	5115	PO	17	8	08	2/4	U	0	
-02	60	I Ascus	(A) (A)3	34	I	4	20.25	47	14	0	
00		F FRISCO	43.1.	PH	Line	M.	18	5	U	0	
	-Q	M. Sastentionalis	000	Ad	U	7	0	34	M	0	
34		M Scutte the lie	DOIL	30	Ų	NA	1000	36	13.1	0	
35 1	0	M. Scoto Monalis	300	13	H	70	6,75	34	M	0	
356	0	E. Puscus	00/0	T V	in	1	20,75	10	U	ଚ	
7	0	E. 45000	Olso	No	V-la	Pi	17.5	513	H	0	
(4)	0	Friscus	5100	1	2	*	10	1	T	0	
20	8	E Ascers	0816	Fa	ji.	70	813	11/2	u	0	
95	0	F Abbus	58/5	-0	Sale.	Jd	21.25	49	4	0	
1	0		A2 50	100	5-1	7	10	63	Σ	S	
N.	E	E Green	3200	PA	0	70	V		LT.	1	FSCORE
97	0	S. Williams	0000	12	عدا	29	21.15	0	ŭ	0	
	Ð	M. SECHUANORULL	0,200	100	u	17.12	2	5	m	K	
2	0	E Ausch 5		10	E.	70	5	47	2	0	

### Beaufort Wind Scale

Wind Speed	Doendation	Verhie Condition	Moon
(udu)	Tooldings.		Feb 13
0	Calm	Smoke nses vertically	Mar 15
1.3	Light Air	Direction of wind shown by smoke but not by wind yanes	Apr 14
4-7	Light Breeze	Wind felt on face: leaves rustle; ordinary wind vane moved by wind	May 13
8-12	Gentle Breeze	Leaves and small twigs in constant motion; wind extends light flag	Jun 12
13-18	Moderale Breeze	Raises dust and loose paper: small branches are moved	Jul 11
19.24	Fresh Breeze	Small trees in leaf begin to sway: crested wavelets on inland water	Aug 9
25.31	Strong Bragge	Larne branches in motion: letenhone wires whistle: umbrellas used with difficulty	Sep 8
32-38	Moderate Gale	Whole trees in motion; inconvenience in walking against wind	7190
39-46	Fresh Gale	Breaks twigs off trees, generally impedes progress	

### 2010 Lunar Phases

Wing Index Key

Last	Score	Description
Quarter	0	No damage. Fewer than 5 small scar spots are present on the membranes.
Apr 6		Light damage. Less than 50% of flight membrane is depigmented (splotching).
May 5	,	which is often visible only with translumination.
Jun 4		Moderate damage. Greater than 50% of wing membrane covered with scar tissue
Jul 4		(spiotching). Scaming is visible without translumination, Membrane exhibits some
Aug 2		necrotic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may
Sep 1	2	be flaking and discolored along the majority of the forearm.
Sept 30		Heavy damage. Deteriorated wing membrane and necrotic tissue, Isolated holes
Oct 30		>0.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or
Nov 28	67	chiropatagium are evident.

First
Quarter
Mar 23
Apr 21
May 20
Jun 18
Jul 18
Aug 16
Sep 16
Oct 14
Nov 13





MEDICIN Flynn, Alexa bant Camera #: Car Date: 18 July 2011 County: Seneco basioger Project Name: Republic Project #: 340,01 Biologists: JOCK Site name/#: State: OH

### MOON PHASE\*

Waxing gibbous Last quarter New moon

Waning crescent Waxing crescent Full moon

Waning gibbous X First quarter

Time Ter	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
0	6.0	2-1	SEN	0	
12	14.2	1-3	500	N	
000	25	4-7	NO MOR	ok	
100	4.5				
1					
-					
-					
-					
-					
F					
-					

Trap/Anabat	Net/Trap Type <sup>1</sup>		Latitude		Longitude		Lengtn (m)	meigur (m)	(0000 h)	(0000 h)	Picture #
<b>=</b> 4	NICK.	0	N. VOS . G.	0	3112 . 55	Ma	- 10	2	1	SSIO	1458
D	1117	0 17	N. ()	. 50	10.19	M <sub>n</sub>	10	5		002	B58'
	215%	0	N. 163 .0/	67	1	Ma	9	97		502	8591

Net Placement/Site Description:

A GARLEUS RUSCUS 7200 ACT				6	,
A Experior Riscus 7200 Ad	NZ	8.25 38	ما	0	
A MANUAL DISCLERE TOTAL AND	70 1	11.0 AS	M	0	
	7	NO SH	W	0	
A Ephasos Russus 1700 Ad	10 4	18,5 46	W		
N 4512 SULUS SUSSES	F NR	15.5 AA	W	0	
L BONCOS FISCUS BISO IN J	4 3	N. 5 45	W	0	
P FOTHERS ROLLS 1227 DE	T NP	15.0 AL	W	0	
TONCE POSCUS 2735 AN	ار خ 4	120 Ag	1	0	
DE STATE STREET STATES A	N	10,01 AZ	Z	0	
D Entitus Enclos 1720 Ad	7	19.5 95	4	0	

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3055 210

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NCK



Project #:

# BAT CAPTURE DATA (continued)

Date:

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	200	מממ

### 2010 Lunar Phases

New	First	Full	Last Quarter
Feb 13	Mar 23	Mar 29	Apr 6
Mar 15	Apr 21	Apr 28	May 5
Apr 14	May 20	May 27	Jun 4
May 13	Jun 18		
Jun 12	Jul 18		
Jul 11	Aug 16		
Aug 9	Sep 15		100
Sep 8	Oct 14		
Oct 7	Nov 13		

### Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage, Greater than 50% of wing membrane covered with scar tissue (splotching). Scarring is visible without translumination, Membrane exhibits some necrotic tissue and possible few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.
	Heavy damage. Delenorated wing membrane and necroits tissue, isolated holes >0.5 cm are present in membranes. Necroits or receding plagiopalagium and/or chinopalagium are eviden.



Property of: Environmental Solutions & Innovations, Inc. 781 Neeb Road. Cincinnati, OH 45233 (Phone: 513-451-1777)

### **NET SITE HABITAT DESCRIPTION**

Project #: 340.02	Date: 11 July 2611	Biologists: V. Brack	3 RENES
Project Name: Tetratech	Republic	Site Name/#: 574	27
State: County:	= queca	USGS Quad: Tres	icole
Camera #: 6-1 Picture # Latitude: 41 ° 09 ' 27 Distance to closest water sou Water source name: 1111 1	the state of the s	_ GPS Unit #: <u>G740</u> 6 W Longitude: <u>₹2</u> ° <u>5</u> 6 Type of water source	9 ' 20,5 "W
ESTIMATED WATER SOUR	CE CHARACTERISTIC	S (IF UNDER NETS):	
Bank Height:meters Substratum: MA Bedrock Still Water Present (Y/N):	BoulderCobble	<pre>meters Stream WidGravelSand Depth: Marian or cm Clari</pre>	No. 10 Co.
VEGETATION:			
Dominant Canopy Species (>	40 cm/16" dbh) Su	bdominant Canopy Specie	and the second second second second
_ Fraxmus prinsylva	Mins	Summer Southers	
Quiring Dalustris		Area goodinamen	23
Estimated dbh range: Lg:	Co. Sm: 40m Es	timated dbh range: Lg: 🌌	Sm: /86m
Relative abundance of domin	ant vs. subdominant (ra	tio):	
Estimated canopy closure:	Closed	Moderate	Open
Roost tree potential consists	of:Large Tre	esSnags/Both	Neither
Roost tree potential for the ar	rea is:High	<u>M</u> Moderate	Low
Roost potential comments:	nigh side of mode	rate learning busin	d High
Subcanopy clutter:	Closed	Moderate	Open
Subcanopy comprised largely	y of:Lower Bra Canopy Tr		Shrubs
Common Subcanopy Species	s: Are saulo	areans America	(Ant)57/21/156
Habitat Description: 1-la1n	re remollet wa	u z panta u mi	har income
Young Upland Forest  Mature Lowland Forest  Young Lowland Forest	Recently Logged Forest Pine Plantation Woodlot/ForestEdge Old Field	Stream/River\Emergent WetlandCForested SwampC	Shrub/scrub Swamp /ernal Pool Deepwater Lake/Pon Other
Herbaceous Cover: Spa	arseModerate	Dense	



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### **NET SITE HABITAT DESCRIPTION (continued)**

Project #: 340.02	State/County: Seneca	104	Site Name/#: SireaT	Initials: SR
- 10000	SKETCH	1: NETS	A and B	
N	-0/ 4-11V	Fred Val	4	
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NA DOO	400	Val.	777	
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pund	Dawn pond	17		
144	May May	1/2	-	
	My OF	3	The second second	141
-Do		VA.	11/10/20	3-11/
81 2 3	7 - 26.44	The same	1	\/"/
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VO 1/1	1211 /	145	17/10 /14	
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1 1 1 1 1 1 1	1.91		1. 1. 88.	-
1. 10 16	111. 1211	311	12 - AV /	
LEGEND	1711 1 3/1	- T	COMMENTS	
LEGEND			COMMENTS	
Nets:				
Euros HALL				
Einro: +++++ Cabin: =	-			
Cabins				
	-			



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**WEATHER DATA** 

								WEAL DER DALA	XX		
	BAIC	BAI CAPIURE DATA			Time (xxxx h)	Temp (°C)	Wi	Wind Speed (estimated – see chart)*	-	% Cloud	Comments
October 14.	2210 00	- 11 11 11		N	2100	733		0	-	15%	
Froject #: 370-015	270-07C	Date: 10 July 20	11/2	C	130	22.9		V	0	8	
Project Name	Project Name: 22+10+10h	Runding.		5/	200	22.7		0		100	
Diologicato.	N.		T.	N	230	17		6	C	95	
Diologists, V.Orack	X	Site name/#:	1 4 1	i v	300			m		100	1
State:		County: Sulle			233/5	22.5	-	in		1000	
CDC IInit #.	CHOINT.	00 10 7	9		ONC	21.8	/	) In			
0.00	S. C. C. C. C. C.	Camera #:		100	386	21.50	-	25			
				0	100/	20.4	/-/	or.			
				0	0.30	27.2	-	Lc.			
					2003	21.9	4	1967			
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	Latitude	7	Longitude	Ler	Length He	Height T	Time Up Tim	Time Down	Picture #	Waypoint #
100	7	N	82 . 50	Μ.,			5	-	5710	BIGN	120
1-1-2		Z	٥	Μ	>	6	20	0 040	5518	CAGA	600
133	5	Z . 50 .	à	Μ	^	3	2 2 2	0 583	0.000	C253	828
- 38 -	0	Z .	٥	Μ	>	0	D Z	00	200	P218	7.50

Net Placement/Site Description: Notes A Processing

	Species	Time	Age (Ad/Jv)	Sex	Repro. <sup>2</sup>	£ 1	RFA (mm)	Belly	Wing Index*	Comments
	Lagiurne barrella	0616			OIN	16	111		(2)	
0	100000	7	3		12	200		u	0	1070 7401
4	Le versals	2120	>	4	JZ	0	40	14	€	N/4
7	Libraries frame	3.8	AA	П	DI	18.3	4/1/2	IL	_	12.10 - 011
	E. Fusbirs	2/3	TVV.	1-4	70	1.8	53	U	0	Apro La
.01	F. Fusing	0162	An	2	35	V	715	2	,	75.75
	+100	2016			X					
,6		1	-	-		-				the state of the

\* Refer to table on the back Reproductive Condition. Female = NR PG LPL: Male = 7 U

Page 1 of

1)

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11

2235

8

10



# BAT CAPTURE DATA (continued)

NS / S/K	Comments Picture # /Guano/Hair Sample	Forgoda	1	0213/0214		*						Description	No damage. Fewer than 5 small scar spots are present on the mentioranes. Light damage. Less than 50% of flight membrane is depigmented (splotching).	Which is their vision only this some membrane covered with scal bissue Moderate damage. Greater than 50% of wing membrane covered with scal bissue (splotching), Serving is visible wing translumination. Membrane exhibits some necroit bissue and possibly lew small holes (<0.5 on diameter). Forearm skin may be faking and discolored along the majority of the forearm	Heavy damage. Deteriorated wing membrane and necrobo tissue. Isolated holes >0,5 cm are present in membranes. Necrobo or receding plagicipalagium and/or chropalagium are evident.	Page 2 of
S: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Wing Index* (0-3)	0	H	0	CC	1							No damage. Fe Light damage	Moderate dam (spiotching). So necrotic bissue be flaxing and	Heavy damage. Deterioral >0.5 cm are present in mer chiropatagium are evident.	
星	Belly W (F/M/E)	€	1	11	7 8								0		E	
1	RFA (mm)	9	7	30	Me					+						
	Wt (9)	6.5	1/2	0.1	77	+				1	-					
50	Repro. <sup>2</sup>	۴	24	4	<<	1				1			1			
(62	Sex (M/F)	W	W	1	88							i			711	-1-
Site Name/#:	Time Age (Ad/Jv)	7	2315 AZ	17	250 J	- j								d vanes he moved by wind extends light flag	moved ts on inland water ie umbrellas used with difficulty	against wind
* SHA 07	Species	0100	Sine all S	rotentrionalis 12	phendiconalis.			P	1				Visible Candition	Smoke itses verbcally Direction of wind shown by smoke but not by wind varies Owection of wind shown by smoke but not by wind varie moved by wind Vivid felt on face, leaves rusde_ordinary wind extends light flag I assus and small livings in constant motion, wind extends light flag	Raises dust and loose paper, small branches are moved Small trees in leaf begin to sway, crested wavelets on inland water I am branches in motion, telephone wires whistler unbrellas used with difficulty I am branches in motion, telephone wires whistler unbrellas used with difficulty	Whole trees in motion, inconvenience in walking against wind
7 7		2 /2	_i ;	7 × 5	100 E LU			*					Description	Calm Light Ar Light Breeze	Moderate Breeze Fresh Breeze	Strong Breeze Moderate Gale
	Project Name: Capt Net	*()	As	J A	ZO								Wind Speed	1+1:	} -	32-34

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## BAT CAPTURE DATA

Site 27 Date: 26 July 201 County: Seneca Site name/#: Camera #: Project Name: Tetra tea Project #: 340.02 3086 Track Biologists: GPS Unit #: State:

2100 2130 2230 2230 2230 2300 2300 1330 10000 0130	0 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		Cover (actimated)	Comments
1-7-1	22.1	(confidence occounts)		
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	5.9	-	٥	1
	19.3	1	0	)
7	60	)	0	
	8.7	1	0	

Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #			Lat	titude		1	Longitude		Length (m)	Height (m)	(xxxx h)	(xxxx h)	Height Time Up Time Down Picture # Way (m) (xxxx h) (xxxx h)	Waypoint #
1/2+	A	14	o	50	. 27.1 "	z	820 59	. 20.	W. 5	9	0	2005	6200	100-0100	100
Alot	U	16	0	6-	. 27. C	z	82.059	. 22	Ma Z	2	6.2	3050	2050	010	0.12
Not	7	17	0	66	30.1 "	z	82 0 59	. 23	Ma I	0	6.2	2005	0 2 10	5000-00	5 G
40/1	0	14	0	6	N. 0.85		W" 1,72 " 82 ° 58		M. 12	17	6.5	3.2 200 0215	0215	23.8	024

Capt	Net/	Species Time Ag	Time	Age	Sex	Repro. <sup>2</sup>	, Mt	RFA (mm)	Belly (F/M/F)	Wing Index*	Comments Picture # /Guano/Hair Sample
	6	Latintos batostis	3.125	30	1	4	8.8	080	141	0	L
3	0	Totesteus fuscus	21/15	3	1	NR	5.3	0.94	T	0	\
cr	6	S. 69360 00128.00	2145							1	Esta Fed Met
1	100	Entesico fuscos	2155	S	17	NR	16.2	0.44	1	0	
4	0	Lasiveus borealis	2215								Escaped Met
9	0	Labiurius borealis	2215	1							Escaped Net
r	0	Entesious Fuscus	22.15	30	M	4	16.9	44.0	3	0	
00	0	Eptesizus fuscus	2215	7	4	4	57	15,0	3	0	
5	0	Fryesieus Fuscus	22.9	30	7	NP	16.0	47	W	0	1

1 Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓ \* Refer to table on the back



# BAT CAPTURE DATA (continued)

26 30ly 2011

Date:

240,02

Project #:

## Applies   11me   Addivy   Mir     (g)   (mm)   (FME)   (6.3)    ## Applies septembers   2215 5V M	# A Myotis septentianelle 2215 5V M P 163 32,5 M  D Myotis lucifiques 2215 5V M P 163 32,5 M  D Myotis lucifiques 2315 Ad F NR 8.5 36.0 M  D Equesic fuscus 0000 5V M P 145,0 M  D Equesicus fuscus 0000 5V M P 145,0 M  B Equesicus fuscus 0000 5V M P 15.0 41,5 M  B Equesicus fuscus 0000 5V M P 15.0 41,5 M  B Equesicus fuscus 0000 5V M P 15.0 41,0 M  B Equesicus fuscus 0000 5V M P 15.0 M  B Equesicus fuscus 0000 5V M P 15.0 M  B Equesicus fuscus 0000 5V M P 15.0 M  B Equesicus fuscus 0000 5V M P 15.0 M  B Equesicus fuscus 0000 5V M P 15.0 M  B Equesicus fuscus 0000 5V M P 15.0 M  B Equesicus 000	Capt			olle	Age Age	Sex	Sex Repro. <sup>2</sup>	W	RFA	Bellv	Initials: Wing Index*	
D mystis septentionally 2215 5V M T 63 32.5 M O  D mystis locations 2215 A2 F NR 8.5 36.0 M O  D Exterior lossing cores IV F NR 16.1 44.0 M O  Exterior fuscus cores IV F NR 16.1 44.0 M O  Exterior fuscus cores IV F NR 15.9 41.0 M O  D Exterior fuscus cores IV F NR 15.9 41.0 M O  B Exteriors fuscus cores IV F NR 15.9 41.0 M O  Exterior fuscus cores IV F NR 15.9 41.0 M O  Exterior fuscus cores IV F NR 15.9 41.0 M O  Exterior fuscus cores IV F NR 15.9 41.0 M O  Exterior fuscus cores IV F NR 15.9 41.0 M O  Exterior fuscus cores IV F NR 15.9 41.0 M O  Exterior fuscus cores IV F NR 15.9 M O  Exterior fusc	D Myotis septentionalis 2215 5V M P 6.3 32.5 M  D Myotis locations  D Myotis locations  D Epicsic fuscus  D Myotis septentionalis  D Myotis septen	#		Species	Ime	(Ad/Jv)	(M/F)		(a)	(mm)	(F/M/E)	(0-3)	Picture # /Guano/Hair Sample
D Myorlis luciflosus 2215 A3 F NR 8.5 36.0 m  D Epresic fuscus  D Expresic fuscus  D Expresic fuscus  D Myorlis septentianalis  D Myorlis septentian	## Myoris Postbous 2215 Ad F NR 8.5 36.0 mm  ### COCCO LV F NR 6.1 44.0 mm  #### COCCO LV F NR 6.1 44.0 mm  #### COCCO LV F NR 6.1 44.0 mm  #### COCCO LV F NR 6.1 44.0 mm  ##################################	0	0	Mystis septentionalis	2215	35	X	4	63	32.5	¥	0	
D myotis before 2315 54 m t 7.5 36.0 m to 2 Extresic fuscus coop 54 F NR 16.1 46.0 m to 2 Extresionals coop 54 m to 14.5 45.0 m to 2 Extresionals coop 54 m to 15.0 41.5 m to 3 Extresionals coop 54 m to 15.0 41.5 m to 6 Extresions fuscus coop 54 m to 6.9 34.0 m to 6.9 34.0 m to 6.9 34.0 m to 6.9 46.0 m to 6.9 6.9 6.9 6.9 m to 6.9 6.9 6.9 6.9 m to	D myor's sertinguis 1315 5W M T 7.5 36.0 M  Equesic fuscus  D E. fuscus  D Myotic sertinionals  D Myotic sertinionals  D Ephesicus fuscus  D Myotic sertinionals  D Myotic sertinionals  D Ephesicus fuscus  D Myotic sertinionals  D Myotic sertinionals  D Ephesicus fuscus  D Myotic sertinionals  D Ephesicus fuscus  D Myotic sertinionals  D Ephesicus fuscus  D Ephesicus fuscus  D E Puscus  D E Publicus  D E P	=	0	Mystis locations	2215	AA	12	NR	100	36.0	£	O	3/
D Exterior fuscus coop IV F NR 16.1 446.0 m  D Exterior coop IV M T 14.5 45.0 m  D Exterior coop IV M T 14.5 45.0 m  D Myotic sextentianals coop IV M T 15.0 411.5 m  D Myotic sextentianals coop IV M T 15.0 411.5 m  D Exteriors fuscus coop IV F NR 15.9 441.0 m  D Exteriors fuscus of A F PL 20.2 441.0 m  C Exterior fuscus of A F PL 20.2 441.0 m	D Express fuscus coop	2		perfor	, x , x , y	20	2	4	5	36.0	M	0	
D E. fuseus 0000 Ad F PL 20.1 45.0 M  D E fuseus 0000 JV M P 15.0 41.5 M  D Myotic sestentionals 0000 JV M P 6.9 34.0 M  B Eptesious fuseus 0030 JV F NR 15.9 44.0 M  D E fuseus 0150 Ab F PL 20.2 48.0 M	D E. fuscus 0000 20 M f 14.5 45.0 M D E fuscus 0000 20 M f 15.0 41.5 M D Myatic septentionalis 0000 20 M f 15.0 41.5 M D Myatic septentionalis 0000 20 M f 15.0 41.0 M D Eptesicus Coeus 0030 20 F NR 15.9 41.0 M D E fuscus 0150 As F 9L 20.2 41.0 M D E expecticus (visite Condition Nather Condition	in.	C	4.7	0000	1	T	NR	1.9	42.0		ð	
D = fuscus  D myotic septentianalis  D = fuscus  D = f	D = fuscus  D myotic septentianalis 0000 3v m T 15.0 41.5 m  B Eptesious fuscus  D = fuscu	₹ =	0		0000	20	{	4	14.5	45.0		0	
D Myotic septentianalis 0000 JV M T 15.0 41,5 M D  B Exterious fuscus 0030 JV F NR 15.9 44,0 M  C Exterious fuscus of so Ab F PL 20,2 46,0 M  O E TO STORY OF TO	## ## ## ## ## ## ## ## ## ## ## ## ##	5	0		0000	AS	11_	tr -1	20.1	45.0	3	0	
B Eptesious fuseus 00000 50 M T 6.9 34.0 M B Eptesious fuseus 0050 50 M F NR 15.9 44.0 M C fuseus 0150 AA F PL 20.2 48,0 M	B Extessious fuscus 60030 3V F NR 15.9 44.0 M  C fuscus o150 Ab F PL 20.2 46.0 M  Description Visible Condition	-0	A	-	0000	>0	ź	4	15.0	51.15	1	0	
B Eptesious fuscus oooso JV F NR 15.9 44.0 m.	B Eptesious Fuscus 20030 JV F NR 15.9 44.0 m  E fuscus 3150 As F PL 20.2 46.0 m  Nathe Condition	_	0		00.00	25	2	4		34.0	{	0	
D & fuscus of so As F 9L 20.2 48,0 m	Description Visible Condition .	90	3	Eptesious fuseus	0000	10	П	NR	15.9	44.0	5	c	
	Description Visible Condition Score	5	0	Fuscus	000	AA	17		20.3	No	3	0	
	Description Visible Condition Score												
	Description Visible Condition Score			9									
	Description Visible Condition Score												
	Description Visible Condition Score												
	Description Score		10										
	Description Visible Condition Score		e .										
	Description Visible Condition '												

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (sploching). Scarring is vable without translumination. Membrane exhibits some necrotic tissue and possibly few small holes (<0,5 cm diameter). Forearm skin may be flaking and discolored along the majority of the threatm.
m	Heavy damage. Deternorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiopalagium and/or chiropalagium are evident.

Smoke rises vertically

Direction of wind shown by smoke but not by wind vanes.

Wind fell on face: leaves rustle, ordinary wind vane moved by wind

Leaves and small kings in constant motion, wind extends light flag.

Raises dust and loose papers small branches are moved.

Small least in leaf begin to sway, crested wavelets on inland water.

Large branches in motion, telephone wires whistle; underellas used with difficulty.

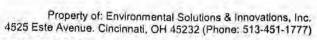
Whole bees in motion, inconvenience in yarking against wind.

Breaks Wigs off trees, generally inpedes progress.

Calm Light Air Light Breeze Gentle Breeze Moderate Breeze

0 1-3 4-7 8-12 13-18 19-24 25-31 32-38 39-46

Strong Breeze Moderate Gale Fresh Gale Fresh Breeze

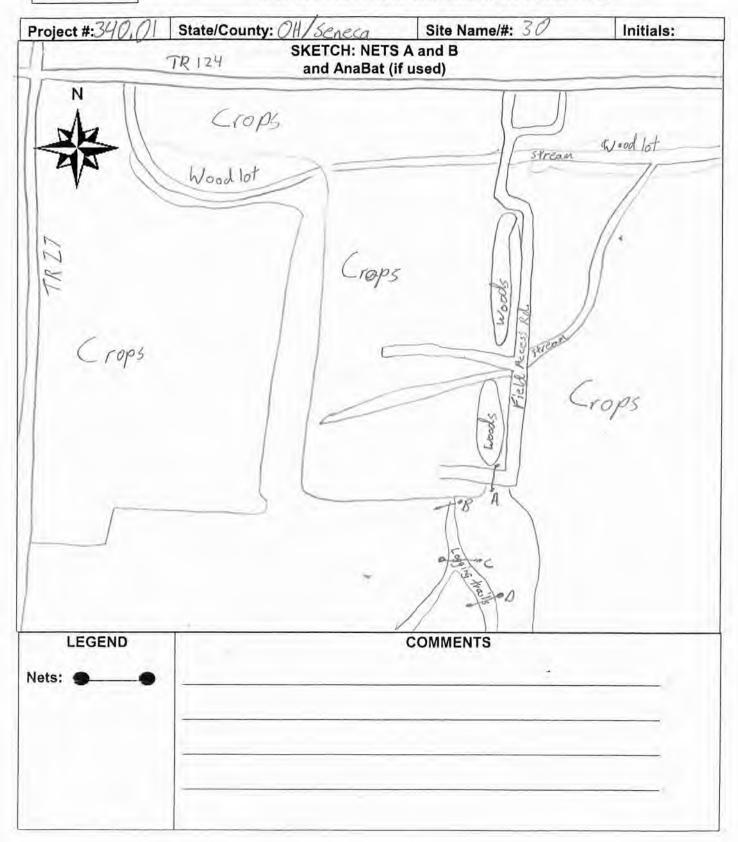


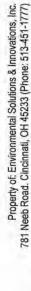


### NET SITE HABITAT DESCRIPTION

	#:340-01 Name: <u>Repl</u>	4 6			gists: <u>J. Ba</u>	1	
	⊅# Cα				Name/#: 30	1.11	_
Net/Trap/	Net/Trap/				Quad: Fire	side	1
or AnaBat	AnaBat Serial #		atitude	L	ongitude	Picture #	Waypoint #
1	h	41.09		F - F -	33.6 W	112	30-4
B	11/	41.09	M. N	85.72	34.6 "W	10.1	30-60
5	11/	41 09	10.6 "N	82.55	34.0 "W	-	30-0
Distance	to closest water	er source (met		12 2 35 Tvr	be of water sou		30-D
	urce name:		31217		oo or water sou	ice. Tream	
ESTIMAT	TED WATER S	OURCE CHAP	RACTERISTIC	S (IF UNDER	NETS): N/A		
	ght:m						ers
	ım:Bedro						
	er Present (Y/N						
VEGETA		· A	relage water L	epuim	or citi Clarity	(H,W,L):	-
	t Canopy Speci	es (> 40 cm/1	6" dbh)	Subdominan	t Canopy Spec	ies (< 40 cn	1/16" dbb)
Querc	us rubra	apiser vi		Acerrula	WIN		# 10 db11)
Acer 1	uberin.			Tilea am	ericana		
Carva	ovata			Quereus rul			
Estimated	d dbh range: Lo	g: Sm	Ľ	Estimated db	h range: Lg:_	Sm:	
	abundance of d				_		
Estimated	d canopy closur	e:	1/Closed		Moderat	e(	Open
Roost tree	e potential cons	sists of:	1/Large	Trees	Snags		Neither
Roost tree	e potential for th	ne area is:	High		Moderat		_ow
Roost pot	ential comment	s: Large C	Larva pula	ta	, , , , , , ,		
Subcanop			Closed		Moderat	e (	- Open
Subcanop	y comprised la	rgely of:	Lower	Branches of	Saplings		Shrubs
	F. 3 - 14 A - 15		Canopy				ZIII UDS
Common	Subcanopy Spe	ecies:	Acer rubru	M			
Habitat De	escription: Lar	ae wood i	lots with	crop field	ls on 3 sile	ć	
AnaBat Ha	11111			/			
	that apply:			4.5			
	Upland Forest	Recently	Logged Fores	t VCrop/P	asture Land	Oth	er
	Upland Forest	Forest E	dge	Stream	/River		
	Lowland Forest Lowland Forest			Vernal			
			1.4		ater Lake/Pond		
Herbaceou Revised April :	A COLUMN TO SERVICE AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRES	Sparse	Moderate	Dens	е		

### **NET SITE HABITAT DESCRIPTION (continued)**







Date: 22 Project #: 340.01

Project Name: Republi

County: Seneca State: 04

Biologists: J. Rasiga

Site name/#: 3

3 Y GPS Unit #:

Camera #:

MOON PHASE\*

Waxing gibbous
Last quarter New moon

Waning gibbous First quarter Waxing crescent Waning crescent

Full moon

		8	<b>WEATHER DATA</b>		
Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2100	24.5	(-3		26	
05/2	243	7-3		SO	
2200	24.1	/-3		50	
2230	24.1	1-3		SO	
2300	24,0	1-3		50	
2330	24.0	1-3		70	
0000	0000 24.0	1-3		160	
0000	0030 23,9	1-3		100	
		0 - 0	1		
		Jain Ca			

Net/Trap/Anabat #	Net/Trap Type <sup>1</sup>			Latitude	de	-		Lon	ongitude		Length (m)	Height (m)	Time Up (0000 h)
77	N	7	0	50	51	Z	000	88	N.	M. 7	17/	0	2045
19	2	15	0	. 60	2711	Z		18	32	M <sub>m</sub>	02	V	2050
y	W.	5	0	. 60	10	N.	•	35	34	W. 0	5	0	2055
N O	N	-	9	60	S.C.	ce	42	38	12.8	(8,	4	1	7150

Picture #

Time Down (H 0000) 016

900

0035 200

800

Net Placement/Site Description:

# bt	# wet	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(g) Wt	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	0	Lariards barealis	2/25	75	Ų	NA	12,0	05	141	0	
	V	En Solde Fuscus	2145	3	W	À	15.25	60	W	/	
~	0	E fiscus	2135	Ag	W	>	5281	25	M	Ö	
	8	F. Luscus	2145	Ad	1	2	6	ħħ	/W.)	0	
N -	A	E.Locus	5612	Ad	4	A	20,5	15	M	0	
0	t,	E Fasaus	2350	Ad	+3	A	19,75	9	H	0	
-	7	F Grans	05-02	F	Z	F	1	V	14	0	
U.	evi	7	C 122	M	ī	4	61.19	100	150	0	
ě	e	20,37,115	30.00	P. C.	la:-		10 X X	47	Ž,	(c)	
0	11.0	4	34.3.D	707	126	124	30	410	2	C	

 $^{\rm I}$  M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat  $^{\rm I}$  Refer to table on the back



# BAT CAPTURE DATA (continued)

Project #: 340,01

Date: 22 Jul ||

Species   Time   Age   Sex   Repro. 2 Wt   RFA   Bell	rojec	Project Name:		Site	Site Name/#:	30				Ē	Initials:	
D = 50.5 mS	# abt	# Set	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
## 1 Dusins   235 Pd   1 Pp 3005 44 FT   1 Pp 30		0		3530	134		X		0	u	1	
4 E fuscus 230 TV FI A 11-35 412 FI  A E fuscus 2300 TV F N/R 1525 445 FI  A E fuscus 2300 TV F N/R 135 52 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 419 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 415 FI  A E fuscus 2300 TV F N/R 185 5 HV F N/R 185 5	96		9	2830	ACH	X-92	2	2008	77	7	C	
A E FUSCUS SOND AND F NR 1525 445 F1  A 25 M A 175 41 F O  A 25 M SOND AND F NR 155 445 F1  A 25 M SOND AND F NR 155 445 F1  A 25 M SOND AND F NR 155 449 F  A 5 FUSCUS SOND AND F NR 155 449 F  A 5 FUSCUS SOND AND F NR 155 449 F  A 5 FUSCUS SOND AND F NR 155 449 F  A 5 FUSCUS SOND AND F NR 155 445 F1  A 5 FUSCUS SOND AND F NR 155 449 F1  A 5 FUSCUS SOND AND F NR 155 445 F1  A 5 F	60	0	J. 5055.005	2.30	15	2	1	250011	1/2	Z	0	
A to the same above Ad M 175 41 F 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	,5		2300	3	Li.	RR	55.25	512	5	C	
# 1 2000 37 F NR 13 40 F N C 1 2 40 F N C 1	0	×.	9	9300	AA	I	۲	17.5	17	T	0	
# 1 Discuss Copy To Will 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	4.	L. Bordalis	520	AF	4	NR	(2)	413	14	00	
A 1 50 m/s communes 220 JV F MK 2015 53 E 6  D 1 7		t	Acces	33.00	18	H	NR	1730	17.7	I	0	
A 1 1 1 2 2 2 5 10 10 1 1 10 2 2 2 5 10 1 1 10 10 10 10 10 10 10 10 10 10 10		t	LOSSINIS CINIMS	1300	B	4	MA	(an	N	W	C	
D ( Figure 5 200 And 1 PA 18 44 And 20	-	T	1 DUSANS	21/10	Z C	4	PL		9	T	0	
A F Fuscus 2300 10 F NR 185 49  A F Fuscus 2300 10 F 12 219  A F Fuscus 200 1-1 M	-0	0		2.3	AN	-	d	90	7	17	0	
A E fuscus 2300 Ad F 1/2 215 69  200 1-1 1 2 67  200 1-1 1 2 67  200 1-1 1 2 67  200 1-1 1 2 67  200 1-1 1 2 67  200 1-1 1 2 77  200 1 2 77  200 1 2 77  200 1 2 77  200 1 2 77  200 1 2 77  200 1 2 77  200 1		0	A 703 cm5	005100	125	(A	NK	500	6/5	lic.	C	
A E F. 151 S 200 1-1 11 4 - 47 1 1 4 4 47 1 1 4 4 47 1 1 4 4 47 1 1 4 4 47 1 1 4 4 47 1 1 4 4 47 1 1 4 4 47 1 1 4 4 4 4		4	F 445645	2300	700	6	1	5 10	60	T	C	
A E FINGUES SOCKETY F NIK - 7	-	'J'	G.	230	11-11	×	>		2/7	23	0	
A E FASUS SOCION F MR - 3		7	F 11-511-3	3200	Bel	Ž	1		11	17	0	
A TANANTA SA	C)	T		5300	10	7	30. PC		5	LL	C.	
	3	- 5	5		X	7.7	NE	0	17	I	K	

### Beaufort Wind Scale

W,

10 0 C

## 2010 Lunar Phases

00

3

L

7 10

New	First. Quarter	Full	Last
Feb 13	1000		
Mar 15			
Apr 14	-		
May 13			
Jun 12	100		
Jul 11			
Aug 9			
Sep 8	177		
Oct 7			

### Wing Index Key

Score	<ul> <li>No damage. Fewer than 5 small scar spots are present on the membranes.</li> <li>Light damage. Less than 50% of flight membrane is depigmented (splotching)</li> <li>which is often visible only with translumination.</li> </ul>	Heavy damage. Deteriorated wing membrane and necrotic fissue. Isolated holes >0.5 cm are present in membranes. Necrotic or reserting damperaturing and local control of the	2 1 0	No damage. Fewer than 5 small scar spots are present on the membranes. Light damage. Less than 50% of light membrane is depignmented (splotching which is other visible only with translumination. Moderate damage. Greater than 50% of wing membrane covered with scar its (splotching). Scarmig is visible without translumination. Membrane exhibits so necroic tissue and possibly few small holes (4.5 cm diameter). Forearm skin be flakting and discolored along the majority of the forearm.  Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated his >0.5 cm are present in membranes. Necrotic creading and visional many.
No damage. Fewer than 5 small scar spots are present on the membranes.  Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.			2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splicithing). Scarring is visible without translumination. Membrane exhibits some necrotic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and dispolored along the majority of the forearm.



# BAT CAPTURE DATA (continued)

2011

Date:

Met Species Tin ##  A E FUSCUS  A E FUSCUS  A E FUSCUS  A E FUSCUS  A F FUSCUS  A M Septement on a 15 of the contact of the co	Project Name:	ne: Modulala	Site	Site Name/#:	20				Ξ	Initials:	
A Ethscus 3340 TV M V 1825 418 M O  A Ethsus 3246 TV F NR 1935 47 F O  D Wethsermonald 8000 TV F NR 175 47 F O  A E Price of Miles Ad F NL 175 516 M O  A E Price of Miles Ad F NL 175 516 M O  A E Price of Miles Ad F NL 175 516 M O  A E Price of Miles Ad F NL 175 516 M O  A E Price of Miles Ad F NL 175 516 M O  A M Septementalis 2015 TV M M T 505 33 E O  I We supplied the Miles Ad F NL 175 516 M O  A M Septementalis 2015 TV M M T 505 33 E O	Capt Net			Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
A 6 AUSTUS 22/6 JV F NR 1935 47 F O Myeth sopremonals 8000 TV F NR 17 56 E O A E PUSCUS 6015 Ad F 12 7.5 56 M O A E PUSCUS 6015 Ad F 10 8 8 35 47 M O A M Septemental's 0215 JV M R 585 33 E O	4	# Fuscus	3340	F	2	>	1825	78	Σ	0	
2 Myoths septembered 2000 TV F NR 7 360 E O  A E Riscus 6NE Dd F P R 555 M O  A M September Mails 0015 TV M T 505 33 E O  1	1	6 A5 W15	33/6	SF	L	NA	52.6	5/3	U	0	
A E P. 7.5 M F P. 7.5 St. 7.6 M A E P. 7.5 St. 7.6 M A E P. 7.5 St. 7.7 M A E P. 7.5 M A E P. 7.	(0)	M. ( atl 5 Strateury and	0000	F	4	NR	1	36	MI	0	
A E P. S. S. S. S. S. J. F. W. E S. 412.  A M. Septemanis 0015 IV M. M. 505 33.	0		5.00	174		70	10	20	2	0	
# AUSOUS. GNES Ad F P. AF 47  M. Septemannis 5055 IV M T. 505 33	< t	Δ. Δ.	į	N. Commercial Commerci	Ц	D.K	(7) (2)	43	2	0	
M. 52pHerremails 0015 IV M 47 535 33	V	# AUSOUS	8115	00	L	70	16	17	2	0	
	15	M. Septemonalis	0015	B	V	Ž.	533	33	W	0	
					-						

# 2010 Lunar Phases

Beaufort Wind Scale

Description

Wind Speed (mph)

Light Air

0 1-3 18-12 13-18 19-24

Light Breeze Gentle Breeze Moderate Breeze Fresh Breeze Strong Breeze. Moderate Gale Fresh Gale

Visible Condition	Moon	Pirst	Moon	Quarter
	Feb 13	Mar 23	Mar 29	Apr 6
Smoke rises vertically	Mar 15	Apr 21	Apr 28	May 5
Direction of wind shown by smoke but not by wind games	Apr 14	May 20	May 27	Jun 4
Wind fell on face: Jeaves distle: ordinary wind vane moved by wind	May 13	Jun 18	Jun 26	Jul 4
Leaves and small two sin constant motion, wind extends light flag	Jun 12	Jul 18	Jul 25	Aug 2
Raises diet and lonse namer small branches are moved	Jul 11	Aug 16	Aug 24	Sep 1
Small mass in last hann to sway cheeted wavelets on inland water	Aug 9	Sep 15	Sep 23	Sept 30
Large branches in motion: lelephone wires whistle, umbrellas used with difficulty	Sep 8	Oct 14	Oct 22	Oct 30
Whole trees in motion: inconvenience in walking against wind	Oct 7	Nov 13	Nov 21	Nov 28
Breaks twigs off trees, generally impedes progress				

### Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	Light damage, Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
64	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (sploiching). Scarming is visible without translumination. Membrane exhibits some necrotic tissue and possibly few small holes (<0,5 cm diameter). Forearm skin may be falsing and discolored along the majority of the forearm.
	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 orn are present in membranes. Necrotic or receding plagiopalagium and/or primoration are audient.







New moon Waxing crescent
Waxing gibbous Full moon
Last quarter Waning crescent

g crescent First quarter
bon Waning gibbous
g crescent

		8	WEATHER DATA		
Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
000	100	C		7/02/7	
2150	3	٧	V	40%	
3.00	23.8		Ţ.	2002	
9300	25,1	0		4401	
2300	23.1	C			
0228	27	O			
XXX	7 50	0			
1/80	200	6			
178		0			
130	13:00	C		1,0001	
0.550	82 8	30		10009	

Net/Trap/Anabat Net/Trap Type									
#		Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)		Picture #
A 87.63	00 . 15	N. 131.	M. 788 : 32 ° 62	12/	6	1	0200	016	
A NINK	EO . 15	N	W" 7 55 . 55 0 EF	(0)	0		2000	209	
W 11/2 W	PG . 17	N. 301.	W" 0,45 ' 58 " 54	6	co	100	0120	806	
Net Placement/Site Description	tion:	04.2	1 42 55 53,3	1 9 1	7		9170	306	

Capt #	# wet	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	(d)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
-	d	LOSIUMS MANNELIS	32 DO	1	T	N N	11.35	çi.	W	0	
20	Z.	Eparsici Duscus	38 DD	S	V.	NA	15.75	40	2	0	172,500 WHY WAY IN
35	d.	£ 5050	2330	Z)	(max	7	30	47	17	0	
9	4	E. Pustons	Dorok	À	2	4	1.00	(V)	2	0	
(1)	Z	T. Poshiis	Salo	DO	3	+	17	7	4	0	
0	er.	1. DOWN 5	3980	TO V	Z	>	177	0-1	-		
1	4	1. 6185843	3330	1	11	N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/	24	II W	IL.	C	
00	Q	I. Luscus	2745	5	1	MA	15.25	97	M	0	
5	K	1000	2245	30	M	6	16,25	35	W	0	
0		2	2300	1	خيا	\$	Co	m	7	3	

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back

<sup>2</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓





Project #:

# BAT CAPTURE DATA (continued)

Date:

Site Name/#:  Age Sex Report Add/JV) (MIF)  ACOCO ACO ACO F F F F F F F F F F F F F F F F F F F	Age Sex (AdiJv) (MIF)	Initials:	Repro. <sup>2</sup> Wt RFA Belly Wing Index* Comments (g) (mm) (F/M/E) (0-3) Picture # /Guano/Hair Sample	2		0.5 175 50	77 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	100 40 F	200	
		Site Name#:	Age (Ad/Jv)	1	7	1	1000 FC	1000 F OF 1000 F	71	

First Quarter Mar 23 Apr 21 May 20 Jun 18	M M
Mar 23 Apr 21 May 20 Jun 18	
May 20 Jun 18	
May 20 Jun 18	
Jun 18	
0+111	
00 100	18 Jul 25
Aug 16	
Sep 15	
Oct 14	
Nov 13	13 Nov 21

Smoke rises vertically

Direction of wind shown by smoke but not by wind vanes

Wind felt on face, leaves rustle, ordinary wind vane moved by wind

Leaves and small Mygs in constant motion; wind extends light flag

Raises dust and loose apper; small branches are moved

Raises dust and loose apper; small branches are moved

Small treas in leaf begin to sway, crested wavelets on inland water

Large branches in motion; leiephone wires whistle, umbrellas used with difficulty

Whole trees in motion; inconvenience in walking against wind

Breaks twigs off trees; generally impedes progress

Calm Light Air Light Breeze Gentle Breeze Moderate Breeze Fresh Breeze

1-3 4-7 8-12 13-18 19-24 25-31 32-38 39-46

Strong Breeze Moderate Gale Fresh Gale

Visible Condition

Description

Wind Speed (mph)

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	<ul> <li>Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.</li> </ul>
24	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (spiolching), Scarning is visible without translumination. Membrane exhibits some necrotic issue and possibly few small holes (<0.5 cm diameter). Forearm skin may be fishing and discolored along the majority of the forearm.
ო	Heavy damage, Deteriorated wing membrane and necrotic tissue. Isolated holes  >0.5 cm are present in membranes. Necrotic or receding plagopatagium and/or  chiropatagium are evident.





Date: 26 011 Project Name: Republic Project #: 340,01

County: Seneca Biologists: J. Basine State: 04

Camera #: /2/ // GPS Unit #: ES 4 4 5 5 7 0

Site name/#: 30

MOON PHASE\*

Waxing gibbous
Last quarter New moon

Waning crescent Waxing crescent Full moon

Waning gibbous First quarter

		W	WEALHER DALA		
Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
120	23.3	)	(	20	
2/30	72.5	1	(	50	
2200	4117			0	
230	1.12			0	
100	703			0	
234	19 91			0	
0000	00			R	
7.4				2.5	
die il	19.5			0	
51136	19.91			0	
2000	19.1			0	

Net/Trap/Anabat	Net/Trap Type1	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	
Q		Na 1 61 . 60 . 17	7.85 . 58		0	2040	OISO	016
9,		Z <sub>1</sub> . 50 o	56 - ×u /		4	Shoz	0/55	606
		N. 701 69 . 11	W. 0 55 . 52 . C.	0	4	2050	0200	806
Q		09 59.0	55 53.3		9	2055	0205	906

Picture #

Net Placement/Site Description:

#	Species	Lime	(Ad/Jv)	(M/F)		(b)	(mm)	(F/M/E)	(0-3)	Picture # /Guano/Hair Sample
	Enterious bussus	250	Po	×	-	15,25	AS.	Ш	0	
1	F FUNCTS	2030	>	11-	NA	5년 네	Уh	M	0	
V	71.38.12 7	77.00	AD	X	-	14.50	11.7	لا	0	
1	F. F. 57.05	2100	AD	11	70	19,50	20	N	0	
V	\$118/118 I	1022	40	L	10	16.00	Eh.	14	0	
	T. Linkows	000	AD	14	N	70,00	5	لدر	_	
0	F 75 (134	- C	>	اليا (	NA	SET!	th	-	0	
0	F 504/08	E 7 30	AD	W	-10	16.50	55	2	0	
d		200	OV	W	-V	(a)	1715	14	0	
		27.5	04	W	-1	- Seno	717	1	0	

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back



# BAT CAPTURE DATA (continued) Date: 26 Jn | ||

Project #: 340.1

Proje	Project Name:		Site	Site Name/#:	20				Init	Initials:	
capt #	# Wet	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
101	4		200	1.7/	N	*	R	57	N.	0	
17	۵		1320	100	W		15.5x	116	N.A	0	
37	Á		1000	100		NE	10.00	1/4	N	C	
188	a		23.05	D.O.	0.0	- 0	13/13/	120	17	)(	
V	N.		23:05	2	L	10.12	16.75	k)	Jal	2	
L.F	Č		13.06	2	MA	¥	17.75	1	M		
r.	3	4	3218	100	///	-0	100	70	N	8	
Gi <sup>C</sup>	0		73710	25	(X	NA	00.0	8	j.i.	Ç	
8	0		733.65	QD.	ıx	10	17.25	10%	W	0	
5	Q.		13 10	OB	W	-	15.50	th	W	0	
ř	d		2330	MC	T	PL	71,00	0	K	0	
	¥		52.75	0.0	-ديا	8	525		100	2	
2	,		200	W	1.	NW	13.00	9	W	Q	
1.7	d		725×	90	L	7	70.00	14.5	1/1	0	
S.	a		7.130	10	خيرا	NA	25.18	110	M	C	
75	d.	Lossificat Section	200	10	Z.V.	1/1	9,00	011	لن	0	K
17	t		15.3a	do	1-	P	21.5cd	est.	L	0	
52	Ç.		7715-	10	L	1(2)	18.00	50	30	0	
52	æ		12 3/7h	8	100	+	700	200	لعا	0	

## Beaufort Wind Scale

Wind Speed (mph)	Description	Visible Condition
0	Calm	Smoke rises vertically
2	Light Air	Direction of wind shown by smoke but not by wind vanes
4-7	Light Breeze	Wind felt on face; leaves rustle; ordinary wind vane moved by wind
8-12	Gentle Breeze	Leaves and small twigs in constant motion; wind extends light flag
13-18	Moderate Breeze	Raises dust and loose paper, small branches are moved
19-24	Fresh Breeze	Small trees in leaf begin to sway; crested wavelets on inland water
25-31	Strong Breeze	Large branches in motion; telephone wires whistle; umbrellas used with difficulty
32-38	Moderate Gale	Whole trees in motion; inconvenience in walking against wind
39-46	Fresh Gale	Breaks twids off frees, generally impedes progress

## 2010 Lunar Phases

New	First Quarter	Full	-0
Feb 13	Mar 23		
Mar 15	Apr 21		May 5
Apr 14	May 20		
May 13	Jun 18		
Jun 12	Jul 18		
Jul 11	Aug 16		
Aug 9	Sep 15		60
Sep 8	Oct 14		
Oct 7	Nov 13		

### Wing Index Key

Scole	nescribrion
0	No damage. Fewer than 5 small scar spots are present on the membranes.
	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scaring is visible without translumination. Membrane exhibits some necrobic tissue and possibly few small holes (<0,5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.
	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes 30.5 cm are present in membranes. Necrotic or receding plagitopalagium andor retironamium are envision.



# BAT CAPTURE DATA (continued)

Project #: 340, 0 Droiget Nam

Date: 26 Jul-1

ne:		Site	Name/#:	30				ī	Initials:	
	Species	Time	Time Age Sex R (Ad/Jv) (M/F)	Sex (M/F)	Repro. <sup>2</sup>	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sam
-			,			181			ı	
									1	

Sex Repro. <sup>2</sup> Wt RFA Belly Wing Index*  (MIF) (9) (mm) (F/MF) (0-3)  F	Project Na	ame:		Site	Site Name/#:	NC				Iui	tials:	
23.35 AD F WA 22.00 4/8 23.35 AD M A 15.50 4/4 23.35 AD M A 12.50 4/4 23.35 AD M A 12.55 AD A 23.36 AD	Capt Ne	#	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
A 15.00 419 F  A 27.22 A M 4 12.00 419 F  A 27.23 A M 4 12.00 13 M  A 17.20 14 M  A 17	A 8			58 33	AD	i.b.	NA	Rec	48	Ш	0	
A	4 18			77.7	2.0	N.	48	15.50	114	Lib	0	
2 2 2 2 4 M 4 12 25 4 M 4 12 25 4 2 M 12 25 4 M 12 2	S 125			283		3	-4	0	土市	L	0	
73.39 Jo. 14 J. 125. 41 J. 125. 4				1338		W	4	0.00	-	100	0	
F. MA N. 25 31 1				7339		1/4	-6	200	- 07	W	0	
38 38 10 10 11 12 13 14 14 15 18				32.40	13	4	AW.	11,75	17.70	1/1	C	
38 10 11 12 13 14 15 18	20											
10 10 11 12 13 14 15 15 18	in in											
12 13 13 13 13 13 13 13 13 13 13 13 13 13	00											
1-5 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7	E.											
13 13 14 15 18 18 18 18	8											
12 13 14 15 15 15 16 18	473											
13 15 15 18 18 18	0											
	2											
31	150											
13.	U											
18	50											
18	1.20											
	00											

Beaufort Wind Scale

Nind Speed (mph)	Description	Visible Condition
	Calm	Smoke rises vertically
-3	Light Air	Direction of wind shown by smoke but not by wind vanes
2-	Light Breeze	Wind felt on face; leaves rustle; ordinary wind vane moved by wind
8-12	Gentle Breeze	Leaves and small twigs in constant motion; wind extends light flag
13-18	Moderate Breeze	Raises dust and loose paper, small branches are moved
19-24	Fresh Breeze	Small trees in leaf begin to sway, crested wavelets on inland water
25-31	Strong Breeze	Large branches in motion; telephone wires whistle; umbrellas used with difficulty
32-38	Moderate Gale	Whole trees in motion; inconvenience in walking against wind
39-46	Fresh Gale	Breaks twips off trees, generally impedes progress

2010 Lunar Phases

New	First	Full	Last
eb 13	Mar 23		Apr 6
ar 15	Apr 21		May 5
kpr 14	May 20	May 27	Jun 4
ay 13	Jun 18	ľ	Jul 4
un 12	Jul 18	1	Aug 2
Jul 11	Aug 16		Sep 1
Aug 9	Sep 15	Sep 23	Sept 30
Sep 8	Oct 14		Oct 30
Oct 7	Nov 13	H	Nov 28

Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarring is visible without translumination. Membrane exhibits some necroit bissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of title forearm.
	Heavy damage. Detendrated wing membrane and necrotic tissue. Isolated holes 9.5 cm are present in membranes. Necrotic or receding plaglopatagium and/or principatamium are evident.

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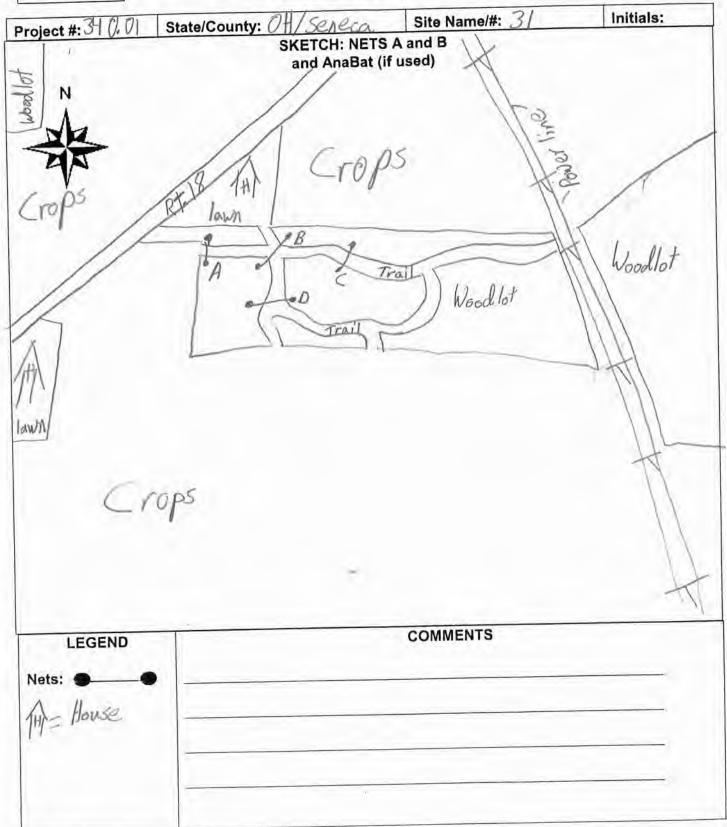
### **NET SITE HABITAT DESCRIPTION**

Project #: 340,01	Date: 27 Jul 11	Biologists: J. Bos	ge/	
Project Name: Republic		Site Name/#: 3/		
The state of the s	Seneca.	USGS Quad: Fire	side	
Net/Trap/ or AnaBat AnaBat Serial #	Latitude	Longitude	Picture #	Waypoint #
A N 91	· 09 · 13.8 "N	82.24.528.M	905	
B N 41	· 09 13, 2"N 8	32.59 '21,7 "W	902	
C N, 91	· 09 11,9 N 8	2.59 2/2 W	903	
0 1/ 9/	01 120 1	7 59 19.6 "W	909	
Distance to closest water source Water source name:		Type of water sour	ce. Fond	
ESTIMATED WATER SOURCE		UNDER NETS): N/A		
Bank Height:meters			mete	ers
Substratum:Bedrock				
Still Water Present (Y/N):	Average Water Dept	h:m or cm Clarity	(H,M,L):	
VEGETATION:				
Dominant Canopy Species (>		ibdominant Canopy Spec Carya <i>Oll</i> ata	ies (< 40 cn	n/16" dbh)
Acer rubrum		ler rubrum		
77.0 30 - 31.7 11.5				
Estimated dbh range: Lg: 6	2 Sm: 40 Es	stimated dbh range: Lg; _	39 Sm	10
Relative abundance of domina	nt vs. subdominant (ratio):			
Estimated canopy closure:	<u> √</u> Closed	Moderat	е	Open
Roost tree potential consists o	f: Large Tree	esSnags	_	Neither
Roost tree potential for the are	a is:High_	∠Moderat	е	Low
Roost potential comments: Lo	rge number of Car	ya ovata		_
Subcanopy clutter:	Closed	Moderat	е	Open
Subcanopy comprised largely	of:Lower Bra Canopy Tre			Shrubs
Common Subcanopy Species:	0			
	Fagus grandi	tolia		
Habitat Description: Large	woodlot with field	s on I sides		
AnaBat Habitat: N/A				
Check all that apply:	<b>-</b>	wow.	01	653
Mature Upland Forest	Recently Logged Forest Forest Edge	Crop/Pasture Land Stream/River	_01	her
	Woodlot	_Vernal Pool		
Young Lowland Forest	Old Field	Deepwater Lake/Pon	d	
Herbaceous Cover: Spar Revised April 2011	se // Moderate	Dense		



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### **NET SITE HABITAT DESCRIPTION (continued)**





Date: 25 July 11 County: Seneca 465670 Project Name: Republic Biologists: J. Basioel Project #: 340,01 Site name/#: 3 State: Of

### MOON PHASE\*

Camera #: Can

GPS Unit #:

Waxing gibbous Last quarter New moon

Waning crescent Full moon

First quarter
Waning gibbous Waxing crescent

			CI CO CITICOLIN		
Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
100	24.9	١	1	0%	
130	24.1	) !	ı	2%	
300	73		1	0/2	
230	22.9	Ţ	(	27	
380	227	(	1	0%	
330	27.3	ĺ	ı	20	
200	21.7	-	1	0 %	
230					
3100					
051					
200	7/1				

Net/Trap/Anabat	ibat Net/Trap Type1	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Pict	Picture #
N	N	N. 58 . 50	69 · 33.4	9			010	905	
8	M	N. C. S	1212 - 69	6			0155	1,206	
	A	N. 711. 50 . In	W" C.1E . PA . C.A	0	P	1	0208	903	
	W Z	41 00 12.5	2,91 19.6	0	0	1	020	HAB	

Net Placement/Site Description.

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(g)	RFA (mm)	Belly (FIMIE)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	U	Enterious Fuscus	2180	Ad	t	72	16,75	44	H	0	
N	8	E. Fuscus	2210	34	П	NA	16.5	47	M	0	To the state of th
3	d.	E. fuscus	2215	Jy	M	4	15,5	36	M	0	
1	D	F, FUSCINS	2215	30	¥	K	1475	Sh	M	0	
S	9	E, fuscies	2310	Ad	M	À	17,5	[h	W	0	
	U	E. Fuscus	000	R	M	×	323	45	S.	0	
1	IJ	T. 1000	0130		100	*	15.00	n n	M	0	
O.	8	-assuring boreal :	0/30		My.	36.37	9	50	W	0	
										,	

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat

<sup>2</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓

\* Refer to table on the back



Property of: Environmental Solutions & Innovations, Inc. 781 Neeb Road. Cincinnati, OH 45233 (Phone: 513-451-1777)

Comments

Cover (estimated) % Cloud

Wind Direction: From to

(estimated - see chart)\*

Temp (°C)

(H 0000)

Time

Wind Speed

**WEATHER DATA** 

00 8

3 0 00 100 100

> NWSE 5-M/

> > 13 1-7

0100 25.7 0218

2300

034

|--|

### MOON PHASE\*

S	
Waxing gibbou	Last quarter
	Waxing gibbous

Full moon

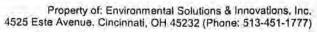
First quarter
Waning gibbous Waxing crescent

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a		
>		
>		
-		
485		

Net/Trap/Anabat	Net/Trap Type <sup>1</sup>			Lati	atitude	-		Lon	ongitude.		Le	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	E	Picture #
H	N	13	0	5	18.0	Z	0	0		M.,			C	2010	OHS	905	_
2	W	117	0	20	100	Z	٥	d-	500	M.	0		0	5%02	0/50	902	>
V	N	1	0	9	J. P.	Z	0	3	50	M <sub>u</sub>	0		NO	2505	0/55	9031	1
Net Placement	Net Placement/Site Description	5.	100	G-	diam'r.	20	13	50	19	9	P		8	2053	55/0	400	>

Capt #	Wet #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (a)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
		STROUN									
		NODI									
						+					
-	1	The state of the s	00000								

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back





### NET SITE HABITAT DESCRIPTION

	340	1	ite: 28 July		gists: <u>F. Ba</u>	siger 1	t. Kler
State:	Name:		180		lame/#:32	distant	-
Net/Trap/	Net/Trap/		atitude		S Quad: Fixes	Picture #	Wayneint #
or AnaBat	AnaBat Serial #		(A. (A.)		7 W. Y. Y. Y. W.	1 200 m 3 m	Waypoint #
M	(111)		' 02 3 "N		1 29.7 W	3096	340 A 3
0	10.10	4// • 13	05.5 "N	82 · 54		3100	34063
D	NA	41 . 13		82 . 50		3099	34003
Distance	to closest wate	r source (met		Тур	oe of water sou		
Water so	urce name:						
ESTIMAT	ED WATER S	OURCE CHAI	RACTERISTIC	S (IF UNDER	NETS):N/A		
Section of the second	ght:m					met	ers
	ım:Bedroo					A STATE OF THE PARTY OF THE PAR	GG.
VEGETA	r Present (Y/N)	A	verage vvater i	Deptn:m	or cm Clarity	(H,M,L):	_
311-2-2		on /> 10 om/1	C" dhh)	Cubalanian	1.0	10= / 2 10 =	/4 OV -DE-L-Y
	t Canopy Speci				t Canopy Spec	ies (< 40 ci	m/16" dbn)
	e rob			110110			
Estimated	abundance of d d canopy closur e potential cons	e:	ubdominant (ra <u>/\</u> Closed <u>k_</u> Large	d	— Moderat _⊻Snags		Open Neither
				11000		7.7	
	e potential for the	- 11	High		Moderat	e V	Low
	tential commen	s: I Igh T	vari	1	- 2/4/6-0 0-2-2		_
	by clutter:	and the same	Closed		<u></u>		Open
Subcano	by comprised la	rgely of:		Branches of y Trees	Saplings	-	Shrubs
Common	Subcanopy Sp	ecies:	Ulmus a	HER HOUS			
			CCC 50	7 L L			
Habitat D	escription:	Levelle	100				
AnaBat H	11.	4					
	that apply:						
	Upland Forest	Recent	y Logged Fore	est / Crop/l	Pasture Land	O	her
_Young	Upland Forest		Edge	Stream	n/River		
The second secon	Lowland Fores	- Parker		Verna		. =	
	Lowland Forest	Old Fiel	d	Deepv	vater Lake/Pond	d	
Herbaceo Revised April	us Cover:	Sparse	Moderate	Dens	se		



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### **NET SITE HABITAT DESCRIPTION (continued)**

Project #: 3 40	State/County: 64/Seneca	Site Name/#: 32	Initials: Sed
	SKETCH: NETS	A and B	٨
N	and AnaBat (in	(Lased)	dested
N A	netc	**	
MA	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
AN			9 Net D
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Cores			
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4.	3		
1 //	3 (	soybean fild	
_ /		Leave for	
		60/Ox	
1	CIR		
-	superand food		
	Sulla Parl -		
r.			
LEGEND	1. 1.	COMMENTS	
Nets:			
	,		





Project #:	Date:	0	(H 0000)	1
Project Name:	Resublic - wind		2/30	34
State: OF	County: Senego		3330	28.5
Biologists:	Spager A. Kambena		2300	255
Site name/#: 3	7		1740	158
GPS Unit #:	₹ Camera #;			-178

Waxing gibbous Last quarter New moon

	First quarter	Waning gibbous	
MOON PHASE*	Waxing crescent	Full moon	Waning crescent

		ı			
Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2/30	348 6		SW-NE		100% Jacobs po
8	SELVE	64	SW-MF		
330	28.41	(4.5)	はつていり		
300	1543	1	N-X		
330	5536		JW - WS		
400	37.150	17	-ZM-MS	1	
		1-1-2	11 N-1011		
	7,0338	61	SW-ME		
20	St. 5.	7° 1	SIN INE		
		1		1	
					2
					-

Net/Trap/Anabat #	Net/Trap Type1			Latitude				Longi	Longitude	Length (m)	Height (m)	Time Up	_	Picture #
4	22	0 1/5	0	5 102	N	83	0	15	Mu 2.22	C	5	2820	5100	3096
Ωφ	NO	16	0	140 . 4	Z.	283	LA	· 1	Mu 843	3	2	N IN IN	3/5/	3730
0	NC	1/2	0	:50.	Z	182	0 52		Mu 4.12	0	8	J. altha	1000	8000
Net Placement/Site Desc	Site Description:	5	6.3	150		60	5		73.7	6	9	14	0000	3008

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (a)	RFA (mm)	Belly (F/M/F)	Wing Index*	Comments Picture # (Guano/Hair Sample
	✓	Losiurus Boselia	200	H	W/	NR	X. S.	47			
£X.	N	Sptein Even	3130	H	1	NR	10.0	48 mm	الدار	) _	200
	4	S. Los	8	12	L	NRS	14.15	- Gam	4		
	Q.	Ephricas States	-7 -1 -1 (1)	13	2	Ne	15	4/3/00	V	0	
A	5	\$ 10 m	Á	3	L	N.	000	47.00	<u>l</u>		
	33	Egyptines S	10 CO	12	N.	NN	75 51	8	.Ne		
1	Q	Extractor America	100	13	8	Ne	351	Comment.	/W		
NJ-	4		W. Co	B	1	NR	11/2	- DAMe	100		
1	ZI.	-	++60	K	M	NR	BA	4600	W	0	
-	×	Ephotou Secur	7	18	L	NA	100	HO.	I.	1	

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back

<sup>2</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓





# BAT CAPTURE DATA (continued)

Proje	Project Name:	:e:	Site	Site Name/#:					Ē	Initials:	
Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (a)	RFA (mm)	Belly (F/M/E)	Wing Index*	Comments Picture # /Guano/Hair Sample
=	4	1051 NS BUTCH 3	3416	7	H	N	11.0g	Alex		0	
C	U	Myotis Septentional's	34:	Acr	L	2	7.00	36my	h		3/22-3134
3	U	Myohs Sections	2433	R	M	NK	10	7	M	0	
7	ZČ.	Epilesicus Eyzer	4548	n	1	SZ	1503	45cm	My	0	
40	0	E CHESICKS TUSTINS	253	B	W	2 Z	16.5%	168	S		
10	9	To be since Success	2456	B	M	NR	15.51	J. Sala	M	)~	NOT a EST OF HIGH
F-	0	Liphesicus Exerna	1000	3	3	Z	15.5	4 Same	W.	0	
lyc2	0	Ephosieus Fire us	DOCA	As	JT.	Q	2	40/24	Įī.	C	
Š	0	Total troubs	3000	F	Jul.	NR	0.7	300	٤		
90	0	Fotesicus Puscus	DOG!	B	<	N. N.	170	49 may	17	0	
(1)	U	E Shorters Rocks	0035	h	L	NA	18.5%	- These	4	0	
7	9	Fotosicas Fuscus	0007	R	W	NR	10.4	45 mm	×	0	
	Q	Joseph Brown	0057	B	L	NR	1.5	of won	180	0	
+	<	LOS ME PROPERTY	210	35	14.	NK	SOd	A rim	111		
(4)	4	The Sicus	X10	3	M	NA	15 BC	46mm	Z	0	
							7				

### Beaufort Wind Scale

	Visible Condition	Sindke insex vertically Direction of wind shown by smoke but not by wind vanes Wind felt on face leaves metter retinant wind unto mount	Gentle Breeze Leaves and small Mys in constant motion; wind extends light liag.  Moderate Breeze Raises dust and loose paner, small tranches are moved.		Strong Breeze Large branches in motion; telephone wires whistle; umbrellas used with difficulty	Moderate Gale Whole trees in motion; inconvenience in walking against wind
--	-------------------	---	---	--	---	--

### 2010 Lunar Phases

2	10	10	4	4	2			90	89
Last	Apr	May	Jun	Jul	Aug	Sep	Sept 30	Oot	Nov
Full									
First Quarter									
New	Feb 13	Mar 15	Apr 14	May 13	Jun 12	Jul 11	Aug 9	Sep 8	Oct 7

### Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	Light damage. Less than 50% of flight membrane is depigmented (splotching), which is often visible only with translumination.
N	Moderate damage, Greater than 50% of wing membrane covered with scar tissue (splotching). Scarning is visible without translumnation. Membrane exhibits some necrotic tissue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.
n	Heavy damage. Deteriorated wing membrane and necrobs tissue. Isolated holes >0.5 cm are present in membranes. Necrotis or receding plagopatagium and/or chiropatagium are evident.



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18

Project #: 390.0/

Date: 7/201

Project Name:

County: Sereco State: 0/4

O Biologists:

Site name/#:

GPS Unit #:

Camera #: Srin

MOON PHASE\*

Waxing gibbous Last quarter New moon

Waxing crescent
Full moon
Waning crescent

First quarter
Waning gibbous

WEATHER DATA	Wind Direction: % Cloud Comments From to Cover (estimated)		30	20	20	92	57	/5/	0	0	0		
M	Wind Speed (estimated – see chart)*	(4.3	0	0	0	0	0	0	0	0	0		
	Temp (°C)	23.73	22.6	22.3	220	21.7	21.7	512	21.3	2112	21.0		
	Time (0000 h)	2130	21100	0230	2300	9330	000	030		130	200		

Net/Trap/Anabat	Net/Trap Type		Latif	tude		P	Longitude	Length (m)	Height (m)	Time Up	Time Down (0000 h)	Picture #
*				1				+			110	2000
7	Tou	0 //5	20	Nº 8.CV.	00	000	Ma + 1 60 .		0	2110	V ()	07.00
7	100	10	2	1		1	1	-	"		N. F. 17	2 / 00%
2	100	0 1/2	K	N. S./W.	000	1350	M. 2 52.	0	0	2/01		2
0	177	10.0	1					4			100	2000
,	1001	A 117	1.3	Nº 6 30	500	150	M. 1.00:	×	0	7,00	700	- 100
)	1221	ALC:	2	1	L	)				-	1	1000 C
0	ME	115	17.	1850	7 5	155	27.5	0'	10	2105	19	0

Net Placement/Site Description:

Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Kepro. 2	(g)	(mm)	(F/M/E)	(0-3)	Picture # /Guano/Hair Sample
e es	L. March	0010		100	,					Becaped
) 0	/ Larrelin	2170	1.	Ш	3	è.	03	M	b	
2	T. Conte	9/30	1	Z	2	16.2	34	E	B	
9 0	L. Lorente 15	38.6	30	IL	SP	19.5	16	W	b	
V	u Carrie	2150	Α.	2	->	17.7	4.6	Ø	Y	
0 0	FIC	47878	4	L	Di di	20,7	34	M	A	
2 (2	E. FV9CV3	7010	T.	K	à	20.6	24	E.	A	
E <	1 12 - 10.	22/0	7	عد	ME	0	14	MA	4	
1	F. Conces	02:0	4	u	70	19.9	76	2	P	
. 0	110	2218	*	15	2	PL 17.4 46	91,	K	The last	

! M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat 2 Reproductive Condition: Female = NR/PG/L/PL: Male = ↑/↓
\* Refer to table on the back

ı	-	-
ı	7	
ı		4
ı		
ı		

340

Project #:

Comments/Picture # + rans Initials: Hair Sample Guano/ Belly (F/M/E) E 11 5 ner W U 4 10 2 8 4 W 4 U 4 4 U 45 RFA (mm) 12 137 1213 15% 76 3 57 4 M 5 17 61 19.0 16.9 0.0 10.6 5:5 15.2 18.3 193 3 1 16.3 20 ¥ (6) Repro. 2 NR 25 UR 8 à Date: 7/30/,,, Sex (M/F) 12 12 12 5 E Ξ 121 77 4 2 11 8 2 L. 41 4L 4 Site Name/#: Age (Ad/Jv) 5 9 2345 2235 2235 2317 2355 000 2235 2235 2235 2310 2310 25 17 0 2235 2310 2315 9.0 Time 2215 2235 5 500 500 K 231 204613905 SU 5 2 2 15 V Species 50350 USCUS 211750 tuseus. 300 E. fuscus FISCUS KUSCUS Boccol Lysed S 4V5CUS SUSCUS. Secus. Free us Smoon 3 tracus W U Net # Project Name: 00 9 U U V U Þ O ×. d, (2) 0 C C 4 Capt.# 7 82 57 0 23 26 0 2 F 20 5 00 0 51 2



		1	
7	7	از	
Z	Ę	i	
	7	Z	2

Comments/Picture # Initials: APK Guano/ Hair Sample Belly (F/M/E) RFA (mm) ¥ 60 Repro. Date: 7/30/11 3 Sex (M/F) Site Name/#:
ne Age
(Ad/Jv) Time 210 Species L. Borealis Project #: 340 Net # Project Name: Capt.# 50



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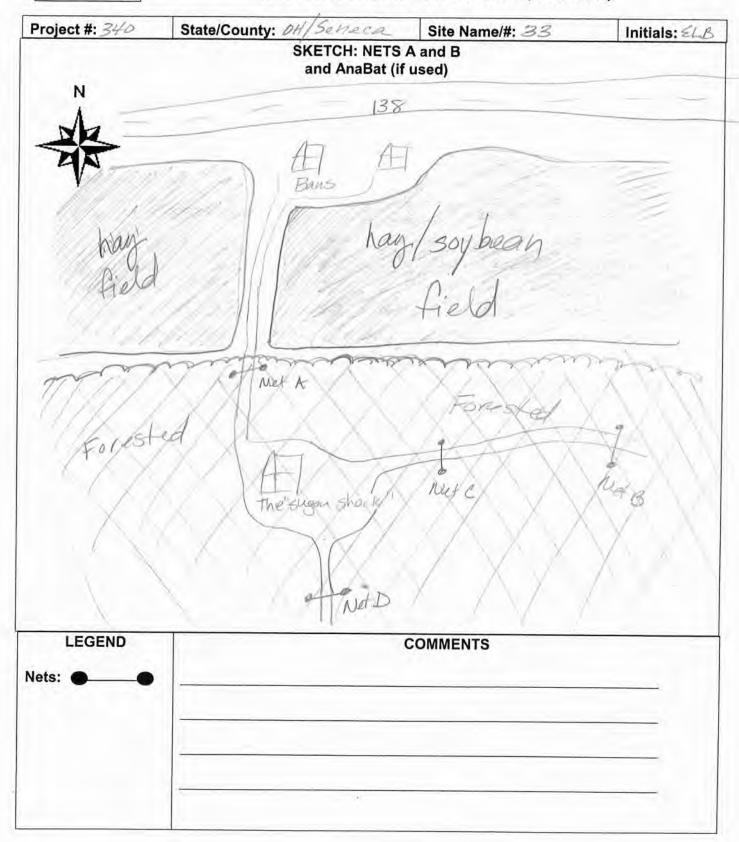
### NET SITE HABITAT DESCRIPTION

Project #		17.	ate: 22 Jul	y Boll Biolo	ogists: E. Ban	ger', Si	epton
	Name: Requ	6111 - WI	nd '	Site	Name/#:33		*
State:		ounty: <u>Ser</u>	reca	USG	S Quad: Fire	side	
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #		Latitude		ongitude	Picture #	Waypoint #
11	NO	4// •	"N" "N	800 4	19.2 W	13076	5/
E	N()	4/0	' 40, N	1820 5	2 1 /- JE"W	3000	152
	NO	W/ . 15	1 49.7 N	6000	1/30 W	3099	53
Distance	to closest wate	r course (me	1 39 J'N	1000	* /7./ "W	304	51/
CALL AND ADDRESS OF THE PARTY O	urce name: N	The state of the s	leis)	iy	pe of water sour	ce: Lance	al stre
ESTIMAT	ED WATER SO	OURCE CHA	RACTERISTIC	CS (IF UNDER	NETS): A		
Bank Heig	ght: 1/2 me			meters		V and	
	m:Bedroo			-4	Stream Width:		rs
	r Present (Y/N)	1.7			SandS		
VEGETAT		A	verage Water	Depth: 10 m	or cm Clarity (	H,M,L):_ <i>L</i>	_
		/> 10 /1	0" (1)		-		
	Canopy Specie		b" dbh)		t Canopy Specie		/16" dbh)
0	cas alla		_	2	chaum j	Maya	316 2001
- 1	is rigin			Trubus .	suctiva		
0	1	iew .	100		and leaved		
	dbh range: Lg			Estimated db	h range: Lg:	37 Sm:	10
			ubdominant (ra	atio):_//95	=		
	canopy closure		Close	d	Moderate	0	pen
Roost tree	potential consi	ists of:	Large	Trees	X Snags	N	leither
Roost tree	potential for th	e area is:	High		Moderate		ow
Roost pote	ential comments	s: 1013 of 10	age acer	and Querry	2000-57070		1 1 1
Subcanopy	clutter:	V	Closed	1	X Moderate		pen
Subcanopy	comprised large	gely of:		Branches of Trees	Saplings		nrubs
Common S	Subcanopy Spe	cies:	Isimina	triloba	Acer san	charur	la:
		1	Ostria vii	amiana			
Habitat Des	scription:	was Isul	in I For	W. L	Dominal A	5.64	
AnaBat Hal	bitat:_/\/	1	-				
Check all th	nat apply:						-
XMature U	Ipland Forest	Recently	Logged Fores	st Crop/Pa	asture Land	Othe	
_Young U	pland Forest	Forest E		Stream	/River	_0110	
	owland Forest	Woodlot		Vernal I	Pool		
Young La	owland Forest	Old Field	1			_	
_Young Lo lerbaceous	owland Forest	Old Field Sparse	Moderate		ater Lake/Pond		



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### **NET SITE HABITAT DESCRIPTION (continued)**





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Comments

% Cloud Cover (estimated)

**WEATHER DATA** 

N. 107

508

No 26 508

17.04

Project Name: Republic - Dind State: Off County: Several Biologists: E. Bosant S. Cooper	Project #: 3%	Date: 22 July 2011
1820	Project Name: R	epololic - Wind
Biologists: E. Bosant S. Caphur Site name/#: 33	State: OH	County: Semena
Site name/#; 33	Biologists: Z Z	SOSIAIT S. Captur
	Site name/#: 3	2 2
	0	

3	+	Time	Temp (°C)	Wind Speed	Wind Direction:
Project #: 6%	Date: 201	200	576	× - /	スルガ
Project Name:	Wolfe Wind	2 30	24.3	M	W + 3
F	County: Samona	2000	1.4%	70	M C 3
1	1	00000	34.1	15-3	00 - 32
Biologists: 8. 80	Sinte S. Captain	2300	241.0	Çe	4
Site name/#: 32		2230	34.0	100	4
100	1	0000	JA ST	PA -	D - 31
GPS Unit #:	Camera #: ハブと	6032	200	M	200
		00/00		2	
	MOON PHASE*	OKJO	1	1/1/	100
New moon	Waxing crescent First quarter	0020		トメノ	5
Waxing gibbous					
Last quarter	Waning crescent				

A

1000

Vet/Trap/Anabat	Net/Trap Type1		Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Up Time Down (0000 h) (0000 h)	Picture #
7	200	01 . 15	N.	Mu 281 : 65 . 28	4	0	2030	5000	3096
×2	S/S/	11 . 14	N. S. C.		7	9	5000	100	3100
-1	22	010	N. 5 277 .	Ma 0'81. 65 . 28	9	9	3090	5000	3079
200	20	01 . 14	299,2	1.51 13.1	7	97	5400	0000	3508

Capt #	# Wet	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	W£	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
1	A	Mucho September Superior	2130	AA	B	<b>→</b>	0/10	33	E	0	305-3082
56	A	LOSINEUS PIRELES	8120	As	IL	NR	308	15	W	0	3083 3084
M	S.	Epitesone, Seconds	DARK	164	M	$\rightarrow$	17 to	575	l <sub>e</sub>	S	328517 33
	V	3000	320	As	N.	FL	30,00	ho	Z	Ö	
w	7	E. 1. 5005	2555	18	10/	+	v	575	W	0	
19	D	20 50 WAS DOCADLE	8833	4	IL.	N/A	73	8	H	O	3015 315
0	545	12 SON	2366	4.9	VV	->	10	17/2	M		
in	15.	The Contract of the Contract o	3350	AA	N	->	No. I	2.	M	0	
	4	S. 1. 1. 1. 1.	1950								
ī											

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back



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Comments

% Cloud Cover (estimated)

Wind Speed (estimated – see chart)\*

Temp (°C)

WEATHER DATA
Wind Direction:



100	BAT CAPTURE DATA		
Project #:	140 Date: 23 July 2611	Time (0000 h)	
Project Name:	Pape Lille - Wind		
State: DH	County:		
Biologists:	Daring Sugar		1
Site name/#:	1 0 M		
GPS Unit #:	SCAR Camera #: CCC		

Net/Trap/Anabat #	t Net/Trap Type1	Latitude	Longitude	Length (m)	Height (m)	Time Up	Time Up Time Down	Picture #
, A	22	N. 3 7 . 9	M	NY-	100			3606
0	J. N. C.	N. & T	M. 05 . ES . 78	4	3		100	5100
-)	MAG	N. 27 . C .	Mu 0 21 . E5 0 28	4	-3		4	560
et Placement	Net Placement/Site Description:	10 79 79 7	128	8	00			2000

First quarter Waning gibbous

Full moon
Waning crescent

New moon
Waxing gibbous
Last quarter

MOON PHASE\* Waxing crescent

#	Capt Net	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
				V	1	\					
			X	1		1					
			1	× .							



Camera #: Date: 24 IN County: Roowblee Project #: 3 479 Project Name: Site name/#: Biologists: GPS Unit #: State:

### MOON PHASE\*

Waxing gibbous Last quarter New moon

Waxing crescent Waning crescent Full moon

Waning gibbous First quarter

_					-								
	Comments	I	1	1	1	1							
	% Cloud Cover (estimated)	800	100%	25.6	25%	10-50	30%	50%	35	20	30%		
WEAL HER DALA	Wind Direction: From to	5/1-3	3-1	SE NW	WIN.	M-M	100	100	100	- 04	0		
١	Wind Speed (estimated – see chart)*	1-3	im	163	77	1-3	1-3	(3	115	17	UI-S		
	Temp (°C)	55.50	30,9	31, 3	340	38.8	23.7	31.16	11 12	33.1	200		
	Time (0000 h)	2000	2130	2000	323	3300	Orke	67 70	r 2 04	000	6813		

Net/Trap/Anabat Net/Trap Type¹	Net/Trap Type1	Latifu	apr		Long	-ongitude	Length (m)	Height (m)	Time Up (0000 h)	Time Up Time Down (0000 h)	Picture #
1	K450	. 7/ 0/	Z,	0	1	Mu	6.	51~	20.3	0000	3040
100	100	0	N.	0	38	Mu = =	3	Ó	2055	290,000	2012
12	1.0	0	N.	0	D.	M	5	0	2	0,80	3099
A	A	07 17	1	39	35	1	2	à	54.0	2.5	(S)

Net Placement/Site Description.

3110 Ad F PC 1/R/ 4 3110 Ad F PL 1/R/ 4	2
110 Ad F PL 19.5 4	_
A F PL 30.	0
	0 4 9
4 0 0 S N W 32 0 4	15 M O
7 M NR 19,5 L	0 4 11
4 0.81 V 18.0	O II
1 0 8 NK 180 4	0 W 0

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back

<sup>2</sup> Reproductive Condition: Female = NR/PG/L/PL; Male = ↑/↓

Comments

Cover (estimated) % Cloud

(estimated - see chart)\*

Temp (°C)

Time (0000 h)

200

Wind Speed

**WEATHER DATA** Wind Direction: From to 1 NOF

00

0.0

1 1

17 1

COCCE

1 1 7

7. 8.10

370

60 100

2

10

1

2

080

1



## BAT CAPTURE DATA

Project #:	0	Date: 26 July 2011
Project Name:	REPUBLIC - INTO	T
State: 011	County: Serie	700
Biologists:	Privace Auder	Kernenz
Site name/#:	3.0	
GPS Unit #:	538	Camera #: Frin

## MOON PHASE\*

New moon	Waxing gibbous	Last quarter

First quarter
Waning gibbous Waning crescent Waxing crescent

Full moon

Made Transfer												Longth	Loinh	Timo Ila	Timo Down		
Net/ I rap/Anabat	Net/Trap Type <sup>1</sup>			Latitude	nde	-		ב	ongitude.	ade		(m)	ilifia (m)	(0000 h)	(0000 h) (0000 h)	Picture #	
D	ZZ	-	9	•	18	Z	8	30	-	T	M <sub>x</sub>	σ	a a	3030	0.45		
9	NN	17	0		(T) (=)	Z	0.7	Till and		Le	Mu	L6	NO.	2085	0/50	3/00	
U	NN	,	0		497	Z	Ŋ.	W		135	M <sub>u</sub>	G	- 5	3040	0155	5099	
Net Placement	Net Placement/Site Description:	ī	3	3	1-1	A138	- 52 - Have be	Sh i		13	75	\0	0	2000	00 AC	\$60£	

	Net Species #	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	(g) Wt	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
4	THE STATE OF STATES	Sact.	Ad	8	->	17. a	46 mm	W	0	
d	Totas us Tuester	20.37	Ad	17	Jd	3	47 min	1	1	
d	Toksicus fusius	3237	NOT	H	d	9.54	48mm	M	0	
4	Epterious Eustus	338	D.O.	M	>	17.0	J. F. Milli	N	Ó	
						)				

<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back

This foregoing document was electronically filed with the Public Utilities

**Commission of Ohio Docketing Information System on** 

2/2/2018 1:52:16 PM

in

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

Summary: Application Exhibit J Appendix E - Part 4 of 12 electronically filed by Teresa Orahood on behalf of Sally W. Bloomfield