

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

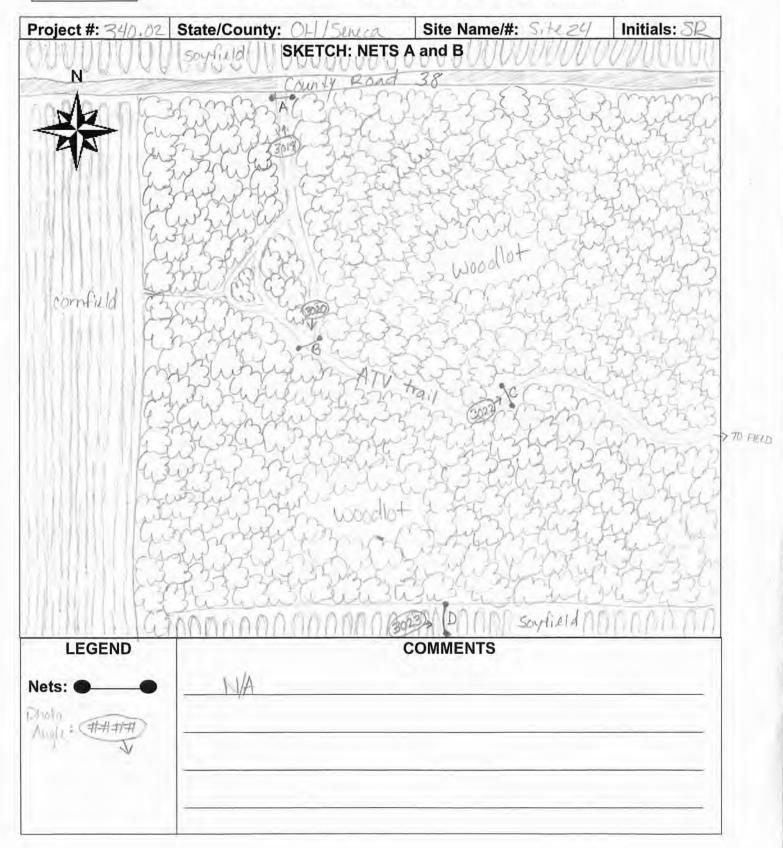
#### **NET SITE HABITAT DESCRIPTION**

Project #: 340.02 Date: 15 July 2011	Biologists: F. Posiger, S. Renus
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 whitesphanica	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)**



Project #: 340.02 Date: 15 11 2011
Project Name: Tetratich Republic
Biologists: £ Gosnor, S & 2011 Site name/#: Site 24
State: Ohio County: Spinics
GPS Unit #: £ 452.8 Camera #: £8 £444

		WEATHER DATA	AIA	
Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
2100	24.5	1-3	200	
21.50	22.9	1-3	250	
2260	22.4	2-1	250	
2230	21.6	0	2%	
2300	21.5		0%0	
330	21.4	C	V%.	
NOOK	21.2	•	750	
0250	20.00	C	200	
3700	21.0	0	0.50	1
(A)	20.8	0	1200	
200	20,6	C	0.38	

or AnaBat	AnaBat Serial #		Latit	atitude.			Longitude	Length (m)	Height (m)	Time Up	Time Up Time Down (xxxx h)	Picture #	Waypoint #
177	4	· 17	0	3	Z	8	M. 505 . 2	1,0	(6.2)	SWK	SMU	3/65	439
+7	1	0		77	Z	82.5	M. 8 517 . 3	3	(%)	20×13	615A	50505	000
1	الد	0		7	N.	87.5	W. 27.6 "W	ğ	0.0	2050	2510	2012	140
ナンフ		0	. (3)		N.	5. 28	M. 3.87 . 9	80	2.0	2750	Media	3023	447

Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	¥ (b)	RFA (mm)	Belly	Wing Index*	Comments Picture # (Guano/Hair Sample
Wells service consis	2145	-	2	<	09	38	(L)	0	2973 - 2373
Erresians fusions	2200	A	17	75	18.2	46	14	0	
E. Auscus	22.0%	40	4	70	0.91	675	14	1382	0-2981 Is. C.
EL Austrus	2210		2	<	0.6	40	2	C	NA
からられ	2210	75	Z	<	5	45	I		COSTING
E fusqus	2210	>1	2	4	7	43	2	0	N/A
かるる	2210	(A	L	d	18.0	187	Z	(2)	2982
E INSOIS	2210	Ad	Σ	->	L.	43	2	0	Z/Z
M. workstrangle	2250	4	11		CL	15	N.A.	C	N M



Species   Time   Age   Sex   Repro. 2   Wt   RFA   Bully Wing Index	Site Name##: Site 24   Initials; FG SR   Species   Time   Age   Sex   Repro, 2   Wt   RFA   Belly Wing Index*	Project #: OTO - N		Dale.		The Party of		1			*	
1,00   1,00	Species Time Age Sex Repro. Wt RFA Belly Wing Index*  1225	me: Little	d	Site	Vame/#:	Ö	+0 24			Init	ials: 🗗 6 .	SK
Extract Library 2250 AV F NR 1138 45 M 1 Spatial NA 1158 47 M 1 Spatial NA 1158 45 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M	The included 2250 AN F NR 134 45 M I Spotting Sp	Net #	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
2255 JV F NR 134 45 M   Spothward 2255 JV F NR 11.0 44 W   Spothward 2300 Ad F P 23.2 45 F O NA Spothward 2300 Ad F P 23.2 45 F O NA Spothward 2300 Ad F P 23.2 45 F O NA Spothward 2300 Ad F P 20.2 45 F O NA Spothward 2300 Ad F P 20.2 45 F O NA Spothward 2300 Ad F P 20.2 45 F O NA Spothward 2300 Ad F P 20.2 47 F O NA Spothward 2300 Ad F P 20.2	2255	14	500	2250	100	11	7			1		FSCANIA MIND
2255 3V F NR 11.0 44 M O NAP  2300 Ad F PL 23.2 45 F O NAP  2300 Ad F PL 23.2 45 F O NAP  2300 Ad F PL 23.2 45 F O NAP  2300 Ad F PL 23.2 45 F O NAP  2300 Ad F PL 23.2 45 F O NAP  2300 Ad F PL 23.2 45 F O NAP  2300 Ad F PL 22.0 47 F O NAP  2300 Ad F PL 22.0 47 F O NAP  2300 Ad F PL 22.0 47 F O NAP  2300 Ad F PL 22.0 47 M O NAP  2300 Ad F PL 20.3 47 M O NAP  2300 A	2255 3V F NR 11.0 44 M O NA	3	F. fushic	2250	3	П	N	138	70	2		Sportive
2300 Ad F PL 7-1 30 H O NAP 2300 Ad F PL 23-2 45 F O NAP 2325 Ad M F PL 20-2 45 F O NAP 2325 Ad F PL 20-2 45 F O NAP 2325 Ad F PL 20-2 47 F O NAP 2325 Ad F PL 20-2 47 F O NAP 2325 Ad F PL 20-2 47 F O NAP 2325 Ad F PL 20-3 47 F O NAP 2325 Ad F PL 20-3 47 F O NAP 2325 Ad F PL 20-3 47 M O NAP 2325 Ad F PL 20-3 47 M O NAP 2325 Ad F PL 20-3 47 M O NAP 2325 Ad F PL 20-3 47 M O NAP 2325 Ad F PL 20-3 47 M O NAP 2325 Ad F PL 20-3 47 M O NAP 2325 Ad F NK M9 43 M O NAP 2325 Ad F PL 20-3 47 M O NAP 2425 Ad F PL 20-3 47 M O NAP 2425 Ad F PL 20-3 47 M O NAP 2425 Ad F PL 20-3 47 M O NAP 2425 Ad F PL 20-3 47 M O NAP 2425 Ad F PL 20-3 47 M O NAP 2425 Ad F PL 20-3 47 M O NAP 2425 Ad F PL 20-3 47 M O NAP 2425 Ad F PL 20-3 47 M O NAP 2425 Ad F PL 20-3 Ad F	2300 Ad F PL 7-1 30 H O NAP 2300 Ad F PL 20-2 45 F O NAP 2300 Ad F PL 20-2 45 F O NAP 2300 Ad F PL 20-2 45 F O NAP 2300 Ad F PL 20-2 47 F O NAP 2300 Ad F PL 20-0		1 4 4 4 4	2255	>	П	ZZ	011	545	2		Spotling
2300 Ad F PL 23.2 45 F O NA 2325 Ad F PL 20.2 45 F O NA 2330 V F NR 14.9 46 M O NA 2330 V F NR 14.9 46 M O NA 2330 V F NR 14.5 44 M O NA 2330 V F NR 14.5 47 M O NA 2330 V F NR 14.5 M O NA 23	2300 AJ F PL 23.2 45 F O NA 2325 AJ M F 17.2 44 M O NA 2325 AJ F R 20.2 45 F O NA 2335 AJ F R 22.0 47 F L 20.0 47 F 2335 AJ F R 20.3 47 M O DOLOSTHA 2000 AJ F R 20.3 47 M O DOLOSTHA 2005 AJ F R 20.3 47 M O DOLOSTHA 2005 AJ F R 20.3 47 M O NA 2005 AJ F R 20.3 47 M O NA 2005 AJ M O NA 2006 AJ M O NA 2007 AJ M O NA 2008 AJ	2	としていていている 女子	280	Ad	H	10	1.	3	I	0	N/A
2575 Ad M	2375 Ad M		F. Fuerus	2300	MA	4	70	23.2	451	4	0	N/A
2355 FOL F P. 202 45 F O ONE 2355 FOL F P. 220 47 F O NA 0000 FOL F P. 220 47 F O NA 0005 M F P. 220 47 F O NA 0005 M F P. 203 49 F O NA 0005 M F P. 203 49 F O NA 0005 M F P. 203 49 F O NA 0005 M F P. 203 49 F O NA 000 M F P. 203 49 M O NA 000 M F P. 2042 49 M O NA 000 M F P. 2042 49 M O NA 000 M F P. 2042 49 M O NA 000 M F P. 2042 49 M O NA 000 M F P. 2042 49 M O NA	2525 Fed F F 202 45 F O ONE 2535 Ad F L 220 47 F I WING SO  0900 Ad F L 220 47 F I WING SO  0900 Ad F P P 85 47 P4 O ONE 255 Ad F P 211 49 F O ONE 255 Ad F P 211 49 F O ONE 255 Ad F P 211 49 F O ONE 255 Ad F P 211 49 F O ONE 255 Ad F P 211 49 F O ONE 255 Ad F P 211 49 F O ONE 255 Ad F P 211 93 49 M O ONE 255 Ad F P 211 93 49 M O ONE 255 Ad F P 211 93 49 M O ONE 255 Ad F P 211 93 49 M O ONE 255 Ad F P 212 49 F O ONE 255 Ad F P 212 49 F O ONE 255 Ad F P 212 49 F O ONE 255 Ad F P 212 49 F O ONE 255 Ad F P 212 49 F O ONE 255 Ad F P D 193 49 M O ONE 255 Ad F P D 193 49 M O ONE 255 Ad F P D 193 49 M O ONE 255 Ad F P D 193 49 M O ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 255 Ad F P D 255 Ad F D ONE 2		T - C. S. C. I.	2325	4	2	4	17.2	77/2	2	0	2/2
2575 JV F NR 14,9 4/6 M L SOCIATION OF THE STATE OF THE S	2530 W F NR 14,9 46 M Constraints 2535 Ad F L 22.0 47 F L WA  0000 Ad F P 195 47 M D Datash  0005 W N F 196 21, 49 F D NA  0005 W F NR 196 49 M D Datash  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 49 M D NA  0005 W F NR 196 40 M D NR 196		Silvery D	2500	POT	4	Ē.	20.2	N.	4	0	S. Car
2535 Ad F L 22.0 47 F L 2004/49  0900 Ad F N 100 45 F O NA  0005 Ad F PL 211 44 M O NA  0005 Ad F PL 201 44 M O NA  0005 Ad F PL 203 47 F O NA  0005 Ad F PL 203 47 M O NA  0007 Ad F PL 2042 47 F O NA  0007 Ad F PL 2042 47 F O NA	2535 Ad F L 22.0 47 F L 20.0 45 F O NAF  0000 Ad F PL 145 44 M O DOISTE  0035 Ad F PL 20.3 49 P O NAF  0035 Ad F PL 20.3 49 M O NAF  003 Ad F PL 20.2 46 F O NAF  144 F PL 20.3 49 M O NAF  145 Ad F PL 20.2 46 F O NAF  150 NAF  Soort Ad F PL 20.2 46 F O NAF		T FUELO	OSEG	>	4	NP	14.9	4/10	2		Emiliar Property
0900 AN M M MO MA  0000 AN M M MO MA  0000 AN M M MO MA  0000 AN M MO MO MA  0000 AN M MO MO MA  0000 AN M MO M	Spinol And   M		は、一手に	9236	AN	4		22.0	47	LL		WIND PER ST. TO
0.360 Ad F PL 195 47 M O Darastra 0.635 Ad F PL 211 49 F O NIP 0.635 Ad F PL 211 49 F O NIP 0.63 Ad F PL 203 49 M O NIP 0.63 Ad F PL 193 49 M O NIP 0.64 F PL 193 49 M O NIP 0.65 Ad F PL 193 49 M O NIP	0.360		The state of the s	0000	A	5	<	0.0	#	IT	0	N.4
145 44 M O Daraita   0635 An F PL 291 49 F O NA   0635 An F PL 203 49 M O NA   0635 An F PL 193 49 M O NA   193 49 M O NA   193 49 M O NA   193 49 M O NA	\$\infty \text{Soc} \times \text{M}  N	-	F. Beerik	0,00	Ad	L)	à	25	177	2		SDAW ID
20,35 Asi F PL 23,1 49 F O N 20,3 47 M G N 20,4 49 M G N 20,4 M M M M M M M M M M M M M M M M M M M	0.035 Au F PL 211 49 F O NI 0.2 Au F NK M9 49 M O NI 0.2 Au F NK M9 49 M O NI 1.0 Au F PL 193 49 M O NI 242 41 F O NI Sore			10	1	12	4	12.7	7/2	Z	O	1/2
203 49 P O P P O P O P O P O P O P O P O P O	20,3 4°° PO			7035	A	Ш	70	100	57	4	0	Z Z
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30 W F WK M9 49 M O W W O W W O W W O W W O W W O W W O W W O W W O W W O W W O W W O W W O W W O W W O W W O W W O W W O W O W W O W O W W O		1 500	200	And	и	B	20,3	27	2	0	MINE TO SURE
10	2013 49 M S NO			12	3	Ц	3/1/	MG	6/7%	2	0	まつ
F PL 242 416 F O N	F PV 24/2 476 = 0 N/H		) 1		H	(1	0	5 51	67	2	C	17/N
F PL 242 41/2 F O N	F PL 242 41 F O NIK		1	I I I								Forgood Met
			T. Susan		AN	(4)	DE	242		14	0	A/V
												*

Score

No damage. Fewer than 5 small scar spots are present on the membranes.

Light damage. Less than 50% of fight membrane is depigmented (splotching).

Light damage. Less than 50% of fight membrane is depigmented (splotching).

Much is clear visible only with translummation.

Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scarring is visible without translumination. Membrane exhibits some necrobic bissue and possibly lew small holes (40.5 on diameter). Forearm skin may be flaking and discolored along the majority of the Noreans.

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 2 of 2

Large branches in motion, teleptione wires whistle, umbreilas used with difficulty. Whole trees in motion, inconvenience in walking against wind. Breaks twigs off trees, generally impedes progress.

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

Moderate Breeze

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

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

Direction of wind shown by smoke but not by wind varies.
Wind lett on tabe, leaves rustle, ordinary wind varie moved by wind
Leaves and small bugs in constant motion, wind extends light flag.
Raises dust and loose paper, small branches are moved.

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	1.002	
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	V)	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	U	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	Del	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 Browker	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



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

#### **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 _			7-0-7-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-	
		); 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 company	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	✓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)**

Project #: 340,02	State/County: OH/Seneca	Site Name/#: 26	Initials:
Toject #. 3/0702	SKETCH: NETS	A and B	/
	and AnaBat (if	usea)	
N	Crops		
M			
7	AB)	/	//
-V-			
	TR 136	Trail of A ///	
	ATV	Trails A	
Crops	F RY	2768	
_19		(2)/0 ///	
		25/1/	
		SCHIII	
27	9		
627			
	Wood	// ///	
	\ \ \ <roj< td=""><td></td><td></td></roj<>		
	// Crop	95	
	//		
	. //		
LEGEND		COMMENTS	
Nets:			
7,77,77			
	-		-

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

## 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			(000g)s	
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	45	Ш	0	895,
00	Ø	Musella Stores Oracle	21.20	Ad	13	70	6.75	37	W	O	1830 839 X
a	d	J 40.008	22,00	AC	U	R	<u></u>	20	M	0	
2	4	V Averas	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	17	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)15	(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 Nam Project #:

Project Name:	ST INGILIS	- Powering	olle	olte Name/#:	0				III	Initials:	
# to	# Wet		Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	Wt (a)	RFA (mm)	Belly (F/M/E)	Wing Index*	Comments Picture # (Guapo/Hair Sample
7	0	£ fuscus	8830	Ad	14	2	18,5	江	2		
6	2	E. Puscus	2230	Y.D.	Σ	+	15,75	177	Σ	0	
13	0	E. ANSKUIS	4830	Ad	2	>	50	1	L	0	*
Ī	0	E ANSLIE	9330	Ad	u	7d	17.5	74	2	0	
5	0	E ASONS	2930	Act	2	À	1625	47	2	0	*
9	0	E PASCAS	3000	Ad	Z	->	0	17/7	Ħ	O	*
-	0	E. AKSCUS	3230	Ad	L	Pl	<u></u>	25	(C)	0	
000	0	E AUSCUS	A500	10	M	NK	7	7	2	0	
0	4	F. AISCUS	25.00	70	IL	NR	12 75	40	Z	0	
000	£	E PUNSOLUS	03200	Ad	u	(3)	78	700	IT	0	
0	3	E fuscus	3300	Ach	4	à	57.5	E.	M	0	
200	2	E Austras	2300	PP	I	7	17	213	H	0	X
60	U	L. Ansons	2330	Ac	T.	2	20.0	74	A	0	
300	0	6 Eusus	0.80	60	4	PL	- 100	410	U	0	
40	- )	E Puscus	2360	40	Ω.	20	(8)	7.0	H	0	
8	0	5 Pastus	2300	AD	Z	4	18,035	43	T	0	*
	0	E FASCUS	23.30	AN	12	70	24,35	17	U	0	047.07
2		E. French S	2345	Age	M	7	17.25	74	N	20	*
70	Ø	E. FLASCMS	5355	401	M	<	25/	72	1	30	

Beaufort Wind Scale

Wind Speed (mph)	Description	Visible Condition
0	Calm	Smoke rises vertically
1-3	Light Air	Direction of wind shown by smake but not by wind yanes
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 infand 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 trees: opnerally impedes progress

2010 Lunar Phases

Last		8 May 5			Ų			L	
Full	Mar 29		May 27		ď	Ш		Oct 22	
First	Mar 23	Apr 21	May 20	Jun 18	Jul 18	Aug 16	Sep 15	Oct 14	Nov 13
New	Feb 13	Mar 15	Apr 14	May 13	Jun 12	Jul 11	Aug 9	Sep 8	Oct 7

uonduosan
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).</li> <li>which is often visible only with translumination.</li> </ul>
Moderate damage. Greater than 60% of wing membrane covered with scar tissue (splucthing). 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 chearm.
Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes -0.5 cm are present in membranes. Necrotic or receding plagiopatiguium and/or chirocatanium are evident.





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	
ch		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 thinglis	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	100	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	60	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	320	PA	0	70	V		LT.	1	FSCODE
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 transfurnination, 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





MEDICA FLYNN, Alexa bantt 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

Waxing crescent Waning crescent Full moon

Waning gibbous X First quarter

Temp (°C)	Wind Speed (estimated – see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2.0	2-1	SEN	0	
14.2	1-3	SCH	Ø	
1	4-7	NO MINE	ok	
2.5				

Length Height Time Up Time Down (m) (m) (0000 h)	9 3100	Le 9 2045 200	
Longitude	0 · 3 · 5	S. S S.	
Lafitude	N. 1. 35 . 17	N. (1)	N. 163 .0/
Net/Trap Type1	NEX	N. J.Y.	XILY
Net/Trap/Anabat	4	G.	

Net Placement/Site Description:

Capt Net	**	Species	Time	(Ad/Jv)	(M/F)	Kepro.	∯ (d	(mm)	(F/M/E)	Wing Index* (0-3)	Comments Picture # /Guang/Hair Sample
		LASSESSED DOLLOWING	2130	2	4	NR	8.25	38	الما	0	Buss
7	A	NY LECK	77.00	てよ	L	70	21.0	45	An	0	
7	8	50750 × 507505	77700	KK	SA	>	SIL	MA	W	0	
1	X	Ephasons Pulmas	770D	AA	14	01	18,5	4/0	W	1	
K		BONGEN FILENS	Q57.7	3	14	NR	5.5	44	W	0	
		BONKOUS PISCUS	2730	3	3	4	17.0	451	W	D	
	d	EDTIS MEUS	7227	3	14	N	0.31	46	W	0	
31	18	TOPICIE POSCUS	7735	PA	4	لہ	071	40	4	0	
	T	LACYCE DEVIOUS	22.25	2	بذو	2	10,0	42	N	0	
2	0	FOHCOS SICCOS	7720	YY.	N	7	19.51	3/5	4	0	

300

210

3000

0

NCK



Project #:

# BAT CAPTURE DATA (continued)

Date:

	d	)
	5	2
	001/	2
	tot	
	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		

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	SPANES.
Project Name: Tetratech	Republic	Site Name/#: 574	27
State: County:	= queca	USGS Quad: Tres	ide
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	20,5 "W
ESTIMATED WATER SOUR	CE CHARACTERISTIC	S (IF UNDER NETS):	
Bank Height:meters Substratum: MA Bedrock Still Water Present (Y/N):	BoulderCobble	—_meters Stream Wid GravelSand Depth:∖∆/A_m or cm Clari	The second second
VEGETATION:			
Dominant Canopy Species (>	40 cm/16" dbh) Su	bdominant Canopy Specie	the state of the s
_ Fraxmus prinsylva	Mins	Duran Sources	
Quiring Dalustris		Are goodinement	13
Estimated dbh range: Lg:	Co. Sm: 40m Es	timated dbh range: Lg: 🌌	m 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	Moderate	Low
Roost potential comments:	nigh side of mode	rate learner busin	d High
Subcanopy clutter:	Closed	Moderate	Open
Subcanopy comprised largely	y of:Lower Bra Canopy Tr		Shrubs
Common Subcanopy Species	s: Are saulo	arean America	(An) \$77.55 (5)
Habitat Description: 1-la1n	re remollet wa	4. Z parts a mi	hov incom,
Young Upland Forest  Mature Lowland Forest  Young Lowland Forest	Recently Logged Forest Pine Plantation Woodlot/ForestEdge Old Field	Stream/River\ _Emergent WetlandC _Forested 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
- DM	SKETCH	1: NETS	A and B	
N	-0/ 47/V	Section Value	4	
- 19 (NE 26 )	Jo James C	44.14		
MIL	4	Vel.	777	
	- T	15.16	1.34 5	
N ACUTY	1 286264	12 mlc	313 C	
	少五事	2115	733-	1
CIT'S WOOD		120	FM.	
Jan Jonat	107 74 5	100		
	ZLUSY -L	200	1 - 100	1
	the the	1.	50/- Say-lie	1-
Vivy	MA	1		
pund	Jawn pond	17		
144	die - May	1/2 -		
	My OF	3		146
-D	2. 1. 1. 2. 2. 1. 1.	Xa.	11/1/20	3-11/
81 2-3	7 - 30 14	1		- 10
10 /200	MAN	5 72	E Comment	-211
201/2	100/100	7	A Charles and	1. 1
West 177		145	172 /4	
	1 1/1 10	10011		
77/3/27	11/1/	HIRO	2/	red .
1 - 1 - 1 - 1		100	1	full.
11/11/11	7 47 1 1 7	7.75	1 1 18	1000
1 11 11	11/1 11/1	30	111111	
10 1111	1711 / 11/	- T	ELANZ D	
LEGEND		(	COMMENTS	
Nets:				
Einro: ++++				
Cabins -				
	-			



BAT CAPTURE DATA Site name/#: Camera #: Date: County: 54,4445 Project Name: Tetraticle 5 74186 Project #: 340.02 Biologists: V. Brack State: On B GPS Unit #:

		WEATHER DATA	ATHER DATA	
Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
2100	733	0	088	
2/30	22.9			
2200	22:7		35	
>230	21.7		200	
73,01		173	66	
2330	22.5	12/	36	J
System	121.3	J. Le		
6035	21.50	1-2		l
00/0	20.02	100		
0810	21.2	11/1/2		1
.020C)	21.4	1 3		

(m) (m) (xxxx h) (xxxx h) (xxxx h) (m) (m) (m) (m) (m) (m) (m) (m) (m) (m	Vet/Trap/	Net/Trap/	Latitude			Longitude		Length	#	Time Up	Time Down	Dicturo G	Wanter H
6 16.2 2045 6145 6190 6 16.2 2.54 6150 6191	acar	Aliabat Sellal #						Œ.	(m)	(xxxx h)	(xxxx h)	Licinie #	waypoint #
0 6.2 2.50 0150 CAPA	100	7		Z	000	921 6	Μ	9	0.0	20045	8148	RIGIN	120
9 (2) 25/4 DIES FO	45	3		Z	•		Μ	2	10.2	24.6	0/30	C.191	000
	10		. 50 .	Z	0		M <sub>u</sub>	0	(4.7)	28.55	0.00	6262	100

Sp	pecies	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(d) Wt	RFA (mm)	Belly	Wing Index*
Lasiaro	S borsol 3	2/20	3	Ц	Z	10.01	17	M	C
2. 20	Malls	2120	3	11	27	00	Uh7	11	€
STATE OF STA	THE FREEDS	5.0	AA	U	10	18.3	41/2	11	-

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

Page 1 of

10

0210-

0250 S'CEVE

17/7

V

1

60

11

220

115005 +050 AUSINE

8

4

Picture # /Guano/Hair Sample

160

Comments

196



1	Comments Picture # /Guano/Hair Sample	TO 000 00		13/02/4										Description	No damage. Fewer than 5 small scar spots are present on the membranes. Light damage. Less than 50% of fight membrane is depigniented (spicitining).	Which is their value on the same should be what is some whole some which some should be some should be subjected with the same shibits some exhibits some should be subjected by some should be subjected by some should be some should	be flaking 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 plagnopatagium and/or some endown.	Page 2 of
Initials: VB / SR	idex*	0	4	0 02	20							-			+	Moderate damage. Greate (splotching). Scarting is vis necrotic tissue and possibly	Heavy damage. Detenora  0.5 cm are present in me	Cincoparation of the control of the
=	Belly (F/M/E)	€	7	M	78					1				- Const	0		2 .	2
	RFA F (mm)	9	7	200	Ne													
	Wt (9)	6	1.5	0,1	77						-	-		-				
60	Repro. <sup>2</sup>	5	72	4	<<									Ì	1			
C62	Sex (M/F)	8	K	1	\$ 3	1								1				
Site Name/#:	Age (Ad/Jv)	7	S AL	020	47	1						-1-		-		puw Xq p	light flag and water ellas used with difficulty	wind
Site	Ē	123	23/15	tentrioralis 1232	Cury Carolis 20		, )			1			1 1	- 1	Visible Condition	Smoke rises verbcally Direction of wind shown by smoke but not by wind vanes Wind tell no face, leaves pusite, ordinary wind vane moved by wind	Leaves and small large in constant motion, wind extends light flag. Raises dust and loose paper, small branches are moved. Small frees in leaf begin to sway, crested wavelers on infant water.	Large branches in motion, telephone wiles while a motion. Whole trees in motion, inconvenience in walking against wind
100		Want 2	1.	SAN NO.	THE STATE OF	Α.			1	)					Description	-1-6-1-	93	Strong Breeze
בו חוברו ב.	Project Name: Capt Net	***	AS	1 4	ゴン										Wind Speed	0.7	8-12 13-18 19-24	25.31

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

 $\mathbf{E}\mathbf{S}$ 

## BAT CAPTURE DATA

Project #: 3 40.02 Date: 26 July 2011

Project Name: Tetra ted | Regultic

Biologists: D. Seffeot Site name/#: Site 27

State: OH County: Seneral

GPS Unit #: 67%96 Camera #: 6-1

		WEATHERDALA	- 1	
Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
2100	0. IX		000	
2130	22.1		10%	1
2200	42:1		200	1
2230	21.8	1	0	
2300	7.14	1	O	\
2330	[ b		0	\
0000	19.3	1	0	\
0000	19.3	)	٥	1
0010	19.3	1	0	)
0130	18.9	)	0	
0200	18.7	1	0	

Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #			É	titude		7	Longitude		Length (m)	Height (m)	Time Up (xxxx h)	Time Down (xxxx h)	Height Time Up Time Down Picture # War (m) (xxxx h) (xxxx h)	Waypoint #
1/10	7	14	0	50	. 27.1	Z	N. 5.05 . 58 . 28	5.00	M., -	0	d	2005	0200	100-0103	100
110	U +	16	0	6-	37.6	Z	82.059	. 22.2	Ma	2	6.2	3050	2020	(610	0.12
Net	2 (	17	0	60	1.30.1	Z	Ma 122 . 65 . 28	. 22.	Ma	0	6.2	2005	0 2 10	00-000	0 33
Not	96	14	0	60	18.0 "	Z	W" 1,77 . 82 . 28	. 27	M., L	17	8.2	2120	2100 0215	23.18	528

		The second second									
Capt #	Net/ Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	(a) Wt	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
-	0	Lasivros borezus	2/20	35	1	4	8.8	38.0	177	0	le de
3	0	to resizus fuscus	21/2	B	1	NR	15.3	46.0	Ž.	0	
cr	6	Suring Confeeling	2145							1	esca Fed Me-
7	100	Entesico fuscos	2155	20	17	NR	16.2	0.44	4	0	
, 4	0	Lasiveus borealis	2215								Escaped Nat
5	0	Lasiurius borealis	2215								Escaped Net
F	0	Entesicus Fuscus	22.15	30	M	4	16.9	44.0	Z	0	
00	D	Eptesions fuscus	27.15	7.5	4	4	170	45.0	35	0	
5	0	Entesions fuscus	22.19	31	4	NR	16.0	470	M	0	\

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



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 Epicsic fuscus  D Myotis septentionalis  D Epicsic fuscus  D Myotis septentionalis  D My	#		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  ##################################	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 septentianals coop IV M T 15.0 411.5 m  D Myotic septentianals 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	Ž.	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 As F PL 20.2 48,0 M C Eptesious fuseus 0150 As 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.

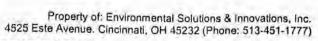
Whole bees in motion, inconvenience in yarking against wind.

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

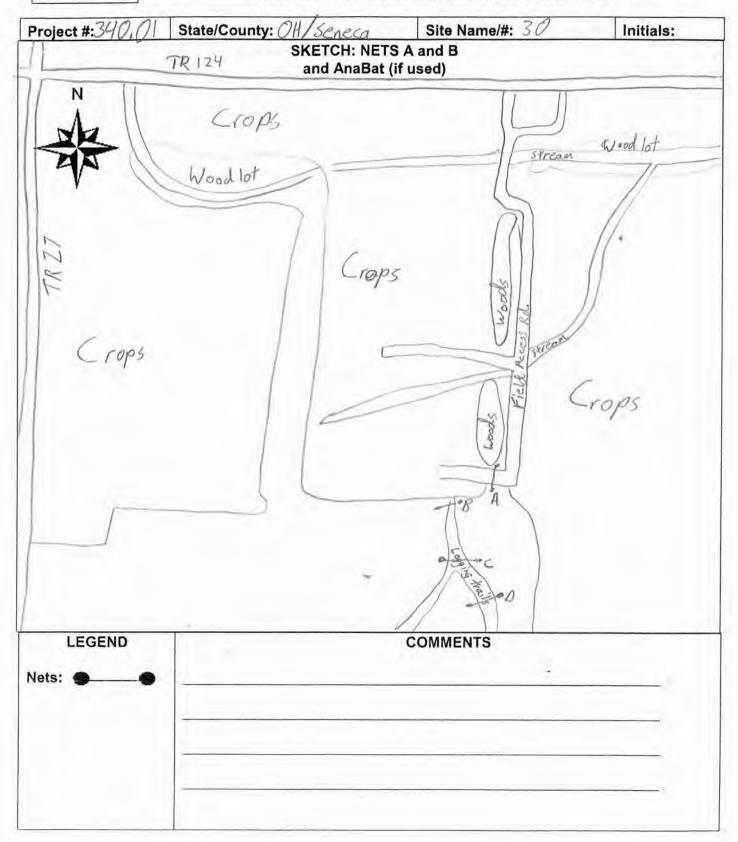


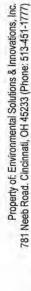


#### NET SITE HABITAT DESCRIPTION

	#: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:		-17/2		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 AN	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	240	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	7160

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 Solds 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	100	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



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	12	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. 5055.03	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	Accep	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 700 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		2300	10	7	30. PC		5	LL	(C.	
	3	- 5	5		ME	1.7	NE	0	17	I	K	

### Beaufort Wind Scale

W,

10 0 C

### 2010 Lunar Phases

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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	12.7		
Oct 7			

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. Necroitic or repedint olderwing and visions and we should be the statement of the forearm.
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.



2011

Date:

i			-					-	-	1					
	Comments Picture # /Guano/Hair Sample														
Initials:	Wing Index* (0-3)	0	0	0	0	0	0	0							
Init	Belly (F/M/E)	Σ	U	MI	N	2	2	W							
	RFA (mm)	700	5/3	36	20	43	17	23							
	Wt (g)	1825	55.6	7	10	50	500	500							
	Repro. <sup>2</sup>	$\Rightarrow$	N. N.	NP	70	DR	20	Ž.							
30	Sex (M/F)	Σ	L	u	EL.	Ц	L	×.							
ame/#:	Age (Ad/Jv)	7	F	1	A	70	DO	A							
Site Name/#:	Time	3340	33/0	0000		Ţ.	61.15	5000			-				
Project Name: Republic	Species	th fuscus	6 A5 Wes	Matter Screening Strain	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		M. Septemonalis							
Name:	Net #	4		(2)	0	d	V V	st.							
Project	Capt #	0	~	5	25		86 75	35							č

## 2010 Lunar Phases

Light Breeze Gentle Breeze Moderate Breeze

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

Light Air

Wind Speed (mph)

Fresh Breeze Strong Breeze Moderate Gale Fresh Gale

Beaufort Wind Scale

Visible Condition	Moon	First. Quarter	Moon	Quarter
	Feb 13	Mar 23	Mar 29	Apr 6
Smoke rises verifically	Mar 15	Apr 21	Apr 28	May 5
Direction of wind shown by smoke but not by wind vanes	Apr 14	May 20	May 27	Jun 4
Wind fall on face: leaves nistle: ordinary wind vane moved by wind	May 13	Jun 18	Jun 26	Jul 4
payers and small twose in constant motion; wind extends light flag	Jun 12	Jul 18	Jul 25	Aug 2
Raises diet and lonse naper small branches are moved	Jul 11	Aug 16	Aug 24	Sep 1
Small trees in loaf begin to sway presed wavelets on inland water	Aug 9	Sep 15	Sep 23	Sept 30
are branches in motion telephone 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 twids off frees, generally impedes 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 (splotbring), which is often visible only with translumination.
2	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.
0	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes 9.0.5 orn are upersent in membranes. Necrotic or receding plagiopalagium and/or primoration are audited.







Date: 24 Jul 1 Camera #: FLUMA SINGO County: Basicyr Project Name: Lepuble 0 Project #: 346.01 20 Site name/#: Biologists: GPS Unit #: State:

MOON PHASE\* Waxing crescent Waxing gibbous Last quarter

New moon

Waning gibbous First quarter Full moon
Waning crescent

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	50	٧	X	40%	
3.00	23.8	5.	Ţ.	2002	
93 30	25	00		4401	
2300	23.0	C			
0,528	27	O			
1000	1 18	0			
118	NO.	Ó			
38	C L	0			
130	13.50	C		1,000	
0.00	82 8	y0		100 Pa	

Net/Trap/Anabat #	Net/Trap Type1		Lat	titude	4	7	ongitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)		Picture #
Ŕ	11.10	ø	00	180	Z	42.6	Mu 7/28 :	2/	5		0200	910	
15	New	9	80	11.16	Z	An S	M. 7.15	0	10		2000	200	
4	113.8	•	60	10.6	Z.	42.	M. O'hE, C	0	Co		0120	808	
Net Placement/Site Descripti	Site Description		00	40	d	1-42 5	5 55,3	9	7		5170	306	

Capt #	# Wet	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(a)	RFA (mm)	Belly (F/M/E)	Wing Index*	Comments Picture # /Guano/Hair Sample
-	B	Warner Burrelle	2300	1	TT	V	11.35	G.	W	0	
18	D.	Eparsicia Austris	3% DD	1	ŭ.	NA	15.13	49	2	0	172,500 WHERE IN TO
189	d.	£ 2050	SARO	To To	(m)	7	30	7	17	0	
	4	E. Pustons	Clored	À	2	4	7.35	U.	2	C	
	V	E. Ashis	3750	100	S.	4	171	7	1	0	
0	×1	1. DOWN S	3980	TO V	N	>	171	0-13	-		
1	4	1. CINSTUS	33%	1	11	N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/	24	II W	H.	C	
00	Q	E. Lusais	2745	36	1	MA	15.75	47	M	0	
5	R	ESC.	2245	3	M	K	16,25	45	W	0	
0			2300	1	l.	\$	9	Tan Tan	Ţ	2	

' 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 = ↑/↓





Date:

44		Site	Site Name/#:		20000	10.4	OEA	in	Initials:	Commente
Capt Net	Species	Time	Age (Ad/Jv)	(M/F)	Kepro.	) (a)	(mm)	(F/M/E)	(0-3)	Picture # /Guano/Hair Sample
6	1 Manswell S	2500	1	2	×	34	53	2	0	
74	F. 474.80	0000	9	14	70	00	03	T	0	
1		0000	-	4	70	25	40	2	0	
( et	5 C 25 C 5	0000	Ach	ii.	10	17.15	2	(L	0	
4	F. F. SCUS	CIDIO		2	11	(65	27	L	0	
	1	02/20	Act	101	5	828	20	Y	0	
									-	
					10000	Coccedi Town I Oboo				Wind lodgy Key

1	ď
-	Scale
	ם שונים
0	ď

Mind 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
47	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 trees, generally impedes progress

## 2010 Lunar Phases

New	First Quarter	Full	Last Quarter
Feb 13	- 1		
Mar 15			
Apr 14			
May 13			
Jun 12	-		
Jul 11			
Aug 9			
Sep 8	phone.		
Oct 7	_		

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.
20	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 flakfing and discolored along the majority of the forearm.
· co	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes  >0.5 cm are present in membranes. Necrotic or receding plagiopatagilum and/or  chiropatagilum 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	
36118	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 • 1	56 - ×u /		4	Shoz	0/55	606
		N. 701 69 . 10	W. 0 55 . 50 . C.	0	6	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 bresus	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	لليا	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 4.4665	000	AD	14	N	70,00	5	لدر	_	
0	F 75 (134	- C	>	14	NA	SET!	th	-	0	
0	F 505/05	E 7 30	AD	W	-10	16.50	55	2	0	
A		200	OV	W	-V	(a)	1715	14	0	
		27.50	04	1/1	-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/	12	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	
	¥		52.73	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		

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.



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) (MIF) (g) (mm) (F/MF) (0-3)  (MIF) (MIF) (MIF) (0-3)  (MIF)	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 22	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	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				32.46	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
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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

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.

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



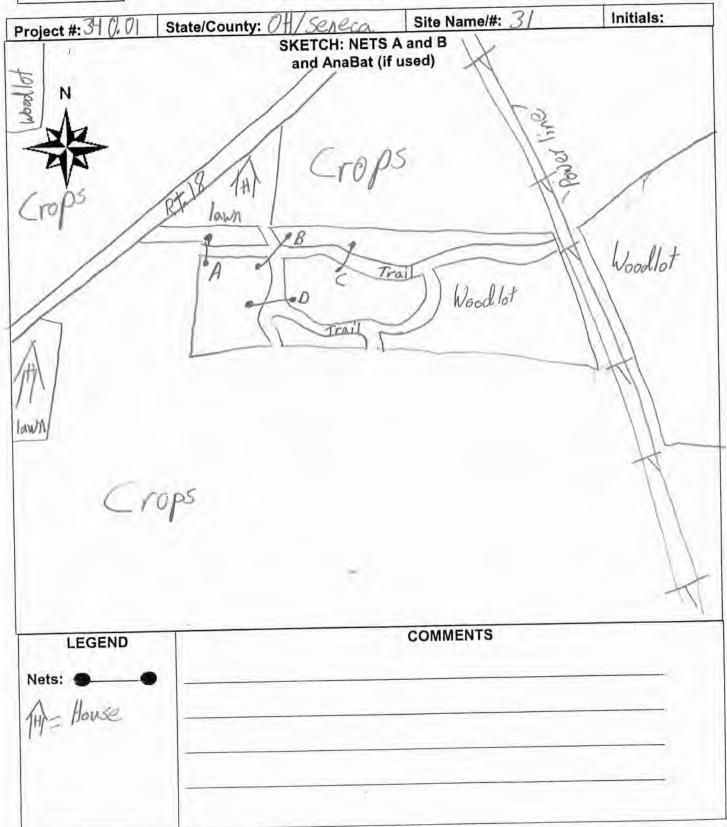
#### **NET SITE HABITAT DESCRIPTION**

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 11,4 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		



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

#### **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	) !	f	2%	
300	73		1	0/2	
230	22.9	Ţ	(	27	
380	227	(	1	0%	
330	27.3	ĺ	ı	3.0	
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	9	1	020	HAB	

Net Placement/Site Description.

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. <sup>2</sup>	(g) Wt	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	R	E. fuscus	2215	Jy	M	4	15,5	36	M	0	
1	D	F, FUSCINS	2215	3	¥	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

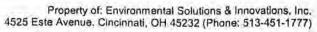
First quarter
Waning gibbous Waxing crescent

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>		
>		
-		
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-	and a	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 #
18	(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	(a. / 2 10 a.	/4 OV -DE-L-Y
	t Canopy Speci				t Canopy Spec	ies (< 40 ci	m/16" dbn)
	Le 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	Cased)	dested
N A	netc	**	
MA	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
AN			9 Net D
(4)			9
1			
	Ocampsite!		\$
/		8	
Corested	Nu Nu	2	or ested
Cores			
^ / / ·	e de	let & n	
4.	3		
100	3 (	sort fild	
_ /		Leave for	
		60/Ox	
1	CIR		
-	superand food		
	Sulla Parl -		
r.			
LEGEND	1. 1.	COMMENTS	
Nets:			
	,		





## BAT CAPTURE DATA

Project #:	Date:	0	(H 0000)	1
Project Name:	Resublic - wind		2/30	34
State: OF	County: Senega		3330	28.5
Biologists:	Spager A. Kambena		2300	250
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	0.4	SW-MF		
330	28.41	(4.5)	はつていり		
300	1543	1	N-X		
330	5536		SW - WE		
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	18	0 52		Mu 4.12	0	8	J. altha	1000	8000
Net Placement/Site Desc	Site Description:	5	6.3	150		100	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		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	2473	R	M	NK	10	7	M	0	
7	ZČ.	Epilesicus Eyzer	4548	n	1	SZ	15.03	45cm	My	0	
40	0	E CHESICKS TUSTINS	253	B	W	2 Z	16.5	100	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	Tolescons top was	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	0030	h	L	NA	18.5%	- These	4	0	
7	9	Fotosicas Fuscus	0007	R	W	NR	40,4	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 move	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	'co	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.



## BAT CAPTURE DATA

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

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	A	2	->	17.7	4.6	Ø	Y	
0 0	FIC	47878	4	L	T.	20,7	34	M	A	
2 (2	E. FV9CV3	7010	T.	K	à	20.6	24	E.	A	
E <	1 Last 1.	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	A. Colonia	

! 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% 26 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 15CUS 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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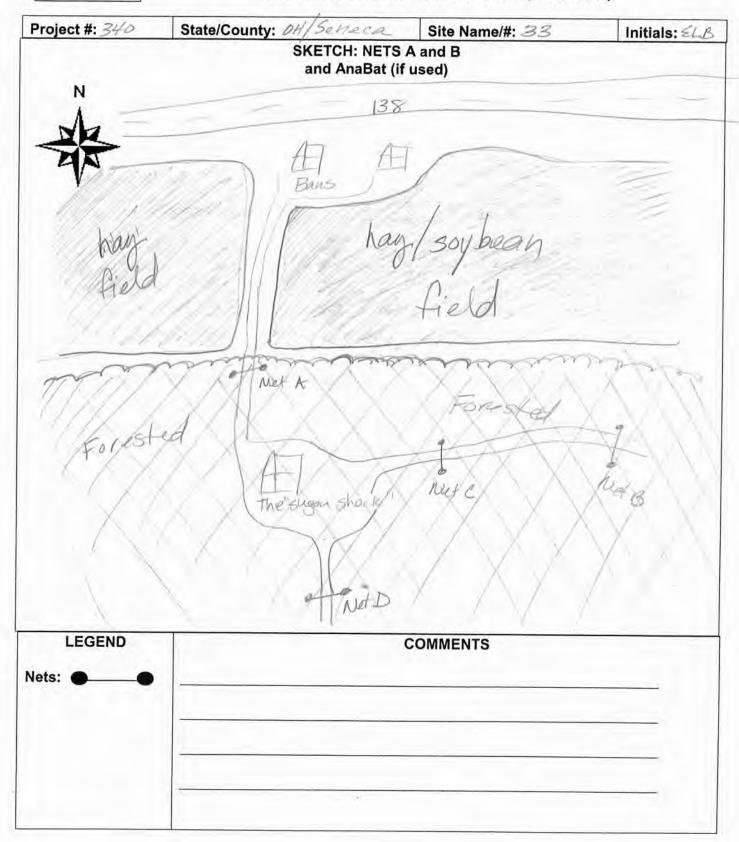
#### NET SITE HABITAT DESCRIPTION

Project :		1.77	ate: 22 July	Jall Biolo	gists: E. Ban	aer', 5	Cechan
Project I	Name: Requi	blic - Wi	nd		Name/#:_33	1 1	7
State:	DH co	unty: Ser	reca		Quad: Fire	side	
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #		Latitude		ongitude	Picture #	Waypoint #
11	NN	4// •	" 11 / "N	72.0.	19.2 "W	3076	5/
	.0.0	4/ 0	' 40, 3"N	183057	' /- /- "W	3000	52
- p	NIO.	17/ 0- 15	1 99.7 N	60,00	'-/3.0 "W	3099	53
Distance	to closest water	source (me	ters): O	Tue	, /7./ "W	304	51/
	urce name: N				e of water sour	Ce Zu Kamer	al stre
ESTIMAT	ED WATER SO	OURCE CHA	RACTERISTIC	S (IF LINDER I	VETC):		
Bank Hei	ght: V2 me		nnel Width:	Annual Control of the		Dr. Sorts	
	m: Bedroc	11-12			Stream Width:		rs
	r Present (Y/N)	11	lerCobble				
VEGETA		A	verage Water D	Depth: <u>10</u> m c	Clarity (	H,M,L): <u>/</u> _	-
	Canopy Specie	s (> 10 am/	16" dhh)	•			
Aces	socihanun		o abn)	Acominant	Canopy Specie	es (< 40 cm	/16" dbh)
aner.	ras alla			2	1 1	Chaps.	SH(80) _ 100 1 _
- 1	nd rigia			77	austina .		
0	dbh range: Lg	150 00	. 1/0		with leaving	44.00	
			ubdominant (rat	io): / / 25	h range: Lg:	37 Sm:	10
	canopy closure		Closed		<ul><li>Moderate</li></ul>	0	pen
Roost tree	potential consi	sts of:	X Large T	rees	Snags		veither
Roost tree	potential for the	e area is:	High	4143	Moderate		C. RCV 4.50
	ential comments	1	our ace a	ad Burn	5 trass w		ow ///
Subcanopy		0	Closed		Moderate		pen
Subcanopy	y comprised larg	gely of:		Branches of	Saplings		nrubs
			Canopy		Gupings		ilubs
Common S	Subcanopy Spec	cies: 🔟	Asimina -	riloba	Aver sau	charur	la
		1	Ostria vin	amana			
Habitat De:	scription: Mad	ver lan	Cin & Frey	11 0 -	mules A	124	
AnaBat Ha	bitat: NA	1		· ·	21		
Check all th	nat apply:						-
XMature L	Jpland Forest	Recently	Logged Forest	Crop/Pa	sture Land	Othe	r
Young U	pland Forest owland Forest	Forest E	dge	Stream/	River	_000	
	owland Forest	Woodlot Old Field		Vernal F		-	
Herbaceous		parse	Moderate		ter Lake/Pond	8	
Revised April 20	the second secon	Pai 30	winderate	Dense			



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#### **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)

**WEATHER DATA** 

N. 10

508

No 26 508

17.04

Project Name: Republic - Dind State: Off County: Several Biologists: E. Bosant S. Cooper. Site name/#: 33	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
One manner.	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: Kern	Wolfe Wind	2 30	24.3	M	W + 3
F	County: Samona	2000	24.1	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 - 20
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 XX	2366	4.9	VV	->	10	17/2	M		
130	15.	The Court of the C	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 Type <sup>1</sup>	Latitude	Longitude	Length (m)	Height (m)	Time Up	Time Up Time Down	Picture #
F	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	- 5		4	560
et Placement	Net Placement/Site Description:	10 79 79 7	120	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	× .							



## BAT CAPTURE DATA

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	m	163	77	1-3	1-3	(3	115	17	UI-S		
	Temp (°C)	55.50	30,9	31, 3	340	35.8	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 Type <sup>1</sup>	Net/Trap Type1	Latit	apn		Long	-ongitude		Length (m)	Height (m)	Time Up (0000 h)	Time Up Time Down (0000 h)	Picture #
1	K-5/C3	. 21 0 15	Z	13	1		M <sub>"</sub>		j)-,	20.3	0000	3090
10%	.20	o	Z	0	23	7 31 .	Mu	3	Ó	2055	75 A A A	W. 18C
(2)	1.0	o	Z	0	D.	0 2 .	Mu	5	-5	2	280	3.499
A		0 1	1	20	65	-		2	in:	5,0	27.5	(A) (A) (A)

Net Placement/Site Description.

1				(mm)	(F/M/E)	(0-3)	Picture # /Guano/Hair Sample
	10/ F	DA.	181	17		0	
A ONIO	Ad F	24	15/21	0/5	2	0	
Y R	4 P	N	20.0	27,5	L	0	
1	M W	NK	0.00	5	N	0	
	M /1	NR	19.5	ph	11	0	
X Wes	P	7	0.8	17	U	0	
D 2 2 2	30 1	NV	0181	ħ	N	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 #:	ă	Date: 26 July 2011
Project Name:	REPUBLIC - WILL	E
State: 011	County: Serie	500
Biologists:	Privace Auden	V. Bringh
Site name/#:	33.5	
GPS Unit #:	538	Camera #: Fran

### MOON PHASE\*

New moon	Waxing gibbous	Last quarter

First quarter
Waning gibbous Waning crescent Waxing crescent

Full moon

Madellandanahad												Londh	Loicht	Timo In	Timo Down		
Net/ I rap/Anabat	Net/Trap Type <sup>1</sup>			Latitude	nde			ב	ongitude.	ade		(m)	illigian (m)	(0000 h)	(0000 h) (0000 h)	Picture #	
A	ZZ	7	9	•	18	Z	.78	30	-	T	M <sub>x</sub>	G	G .	3030	0.45		
9	NN	17	0		(n 	Z	67	E		Le	Mu	L6.	NO	2085	0150	3/00	
U	NN	,	0		497	Z	Q.	W		135	Mu	6		3040	0155	5099	
Net Placement	Net Placement/Site Description:	ī.,	3	3	1-1	44.8	TX3 Harota	it i		13	75	۵۱	0	2000	©\$ 00	2605	

	Net Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	(g) W	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
4	Flores C. S.	Saux	Ad	8	->	17. a	46 mm	W	0	
d	Total or Suscess	20.37	Ad	17	dd	2	47 mm	M	1	
d	Tobsicus fusius	3237	NOT	L	d	9.54	48mm,	N	0	
4	Enteriors Ensure	338	A	M	>	17.0	J. F. min	M	Ó	
						)				

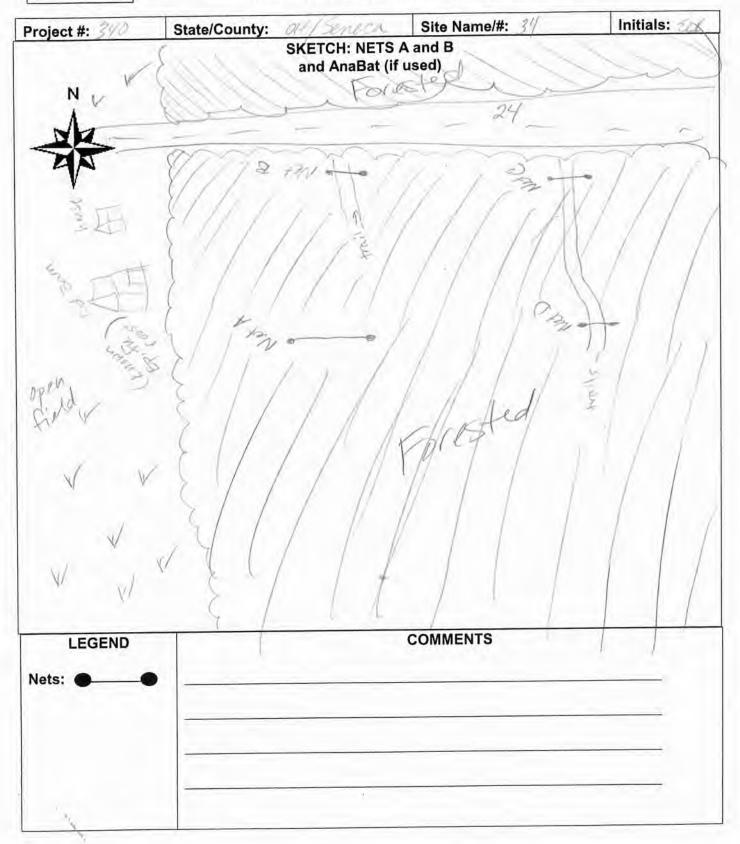
<sup>1</sup> M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat \* Refer to table on the back



#### **NET SITE HABITAT DESCRIPTION**

Project #	#: 340	Da	ate: 25 July	₽8/1 Biolog	ists: E. Bas	Steer	
Project I	Name: Reyu	blic-vi	and V	Site N	ame/#:34	Q	
State:	OH CO	unty: 5	meea	USGS	Quad: Fire	side	
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	, l	atitude		ngitude	Picture #	Waypoint #
1	Nat	41 . 29	1 3819 'N	82.57	1429 W	975	55
B	Net	41.09	40,1 "N	82 ° 57	43.3 W	974	56
C	1717	4/ 0 09	'40,2 "N	82.57	138/ W	9.76	57
Dictance	to closest water	4/ ° 09	138,7 "N	82 ° 57	* 36, ₹ "W e of water sour	9//	58
	urce name:	Source (mer			o or water sour	ce. Veno	
	TED WATER SO	DUBCE CHA	PACTERISTICS	Z /IE LINDED N	IETQ\-		
	ight:me					mete	are
	um: Bedroe						.13
	Department of the second				Contract Con		
/EGETA	er Present (Y/N)	· A	verage vvater b	eptn:m o	r cm Clarity	(H,IVI,L):	=
Office and the second	t Canopy Specie	es /> 40 cm/1	16" dbb)	Subdominant	Canopy Speci	ies (< 10 cn	n/16" dbb)
Ques!		55 (× 40 CHII)	io dony	Carda		165 ( ~ 40 CH	iii lo doll)
AND	ICUS dever			Tilia	ansua	Wa	
N.	ia oucla			1.71	amourean		
	d dbh range: Lg	a: 70 Sr	n: 40				10
	abundance of de			The state of the s			
	d canopy closur		Closed		- Moderat	e	Open
	e potential cons		Large		Snags		Neither
	e potential for the		High	180.33	Moderat		Low
N 302 F 9000.3	tential comment	10.0	100	2 low SI			2835
	py clutter:	Was de la constant de	Closed	V	Moderat	e	Open
	py comprised la	rgely of:	Lower   Canopy	Branches of Trees	Saplings	_	Shrubs
Common	Subcanopy Spe	ecies:	1	MUSICAR	Acres	sarcha	ilin .
Habitat D	Description:	der word	Lot SULLIN	nded by	1 donas 1	relds	
AnaBat H	Habitat:				()		
⊻Mature _Young _Mature	I that apply: Upland Forest Upland Forest Lowland Fores Lowland Forest	Forest Woodle	ot	Stream Vernal			her
Herbaced Revised Apr	ous Cover:	Sparse	Moderate	Dens	9		

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





BAT CAPTURE DATA

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

Camera #: Can G Date: 25 July County: Boc.00 00 953 24 Project #: 340 U Project Name: Site name/#: State: Biologists: GPS Unit #:

MOON PHASE\*

Waxing crescent Waning crescent Full moon

Waxing gibbous

New moon

Last quarter

Waning gibbous First quarter

	Cover (estimated)	Comments
esumated – see charry From to		The second secon
19-3	38%	
W. E	10%	
2-5	102	
2-VI	2%	
SW-NE	070	
SW-NE	200	
SW - NE	350	
SA3 - 107E	9/8	
SW-NE	200	
SIN-NE.	250	
	NO-E SW-NE SW-NE SW-NE SW-NE SW-NE	SW-NE SW-NE SW-NE SW-NE

Net/Trap/Anabat #	Net/Trap Type1	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)
Z	NN	47.86 . 38. 4 "	Mu & Et . Es o Ed Nu	×	Q	2636
0	W.N	" 1.03. 90 W	Mu 5 8 7 2 2 8 0 8 Nu	ν ν	0	5100
(2)	NN	41 . 50 . 40.2 "	M. 138, E5 . 28 N.	^	0	Sayo
2	NN	£ 85 W 1/h	C. 52 57 56.7	U		5008

Picture #

Time Down

(0000 h)

275

477 916

ODEC

21/56 1

Net Placement/Site Description:

M M	ASSISTANCE   2011 St.   M   NK 260 37 E   D   ST.		# Set	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	(a) Wt	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
Musts sortions 3145 Ad M & 12,0 4/1 M O 3092  Mischenhorns 3145 Ad M & 7,0 37 M O 3093-3  Mischenhorns 30340 Ad M T 7,0 37 M O escaped  Mischenhorns 30340 Ad M T 7,0 3/0 M O escaped  Mischenhorns 30340 Ad M T 7,0 3/0 M O escaped	Foresitus	1	- 7		100	>0	N.	ME	02	w.	li	۵	2090
Must softwares 3145 Ad M & 120 46 M 0 3093 3 M septembrions 3300 Ad — 120 36 M 0 2093 3 M septembrions 3300 Ad M A 7,036 M 0 2500pod	Musts sortions 31 to 40 M & 12.0 40 M O 3093  Misspentanions 30145 Ad M & 7.0 89 M O 2093-3  Misspentanions 30040 Ad M T 7.0 36 M O escaped  Misspentanions 3000 Ad T 7.0 6.5 37 M O escaped  T. Schuntz miss 3300 Ad T 7.0 6.5 37 M O		0	Language Color		18	1	74	0.8	15	2	0	
Mustis southernous 3 31-5 Ad M & 7.0 87 M 0 3093-32 M septembrooks 3 3300 Ad M T 7.0 37 M 0 escaped M septembrooks 3300 Ad M T 7.0 36 M 0 escaped M septembrooks 3300 Ad T 7 6 65 37 M 0	M. septembers 31-15 Ad M. J. 76 37 M. O 3093-3. M. septembers 3340 Ad M. T. 7,0 36 M. O escaped M. septembers 3300 Ad M. T. 7,0 36 M. O escaped M. septembers 3300 Ad F 76 6,5 37 M. O E. Sissus 3300 Ad F 76 6,5 37 M. D E. Sissus		2	Foresitus Justin	0816	K A	X	->	17.0	95	N	0	3092
M. Septembrions s M. Septembrions s F. Septembrions	M. Septembrionis		A	Southern		AA	ď	->	40	3	Z	0	IN.
M. Soprembrons	M. Soptembrionis	100	0	M. Sontenty most	01925	KV		1	1000		M	0	PSCOURG
1. Soptember with s.	W. Septembrions	100	0	M Septemberonal S	2340	AA	Z	4	27.0	10/0	2	0	
330	337		0	411	2300	10	17	2	0	40	2	R	
		100	0	t. Sigus	(0)	P	N	NE	50	43	2	0	

1 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



## DAT CADTILDE DATA

	BAI	BAI CAPIURE DAIA				WE	<b>WEATHER DATA</b>	A		
	11.50	20 Th	Time (0000 h)	Temp (°C)	Wind Speed (estimated – see chart)*	ed e chart)*	Wind Direction: From to		% Cloud Cover (estimated)	Comments
Project #:	10	Date	2300	260.3	4			202	ای	A. TRAIN Cham
Project Name:	V. work	al alson	98330	200.4	4		(	Q		362 - WAY
25	8		2000	205	1			120		" nonds
State:	County	1111	日本語の		P		1	9		)
Biologists:	Br. L.	Part Comment	0.000		1			3	VIO.	
Site name/#:	Tra		0000	10	4		1	8	2	
GPS Unit #:	8558	Camera #: Carle 7	671							
			0700							
2	MO	MOON PHASE* Maxima processor								
Waxing gibbous Last quarter	111	t t	snoo			1				
Net/Trap/Anabat	Net/Trap Type¹	Latitude	Longitude		Length (m)	Height (m)	Time Up T	Time Down (0000 h)		Picture #
#	211	N		M <sub>u</sub>	C	d-	-	5510	975	
00	100	Z		M <sub>a</sub>	0)	-5	705	5/50	474	
		Z		M <sub>a</sub>	3		2000	250	916	
	15 6	36	100	T.	9	17	25.63	DARO	477	
Not Discomon	Not Discoment/Site Description						·			

Capt #	# Wet	Species	Time	Age (Ad/Jv)	(M/F)	Kepro.	(a)	(mm)	(F/M/E)	(0-3)	Picture # /Guano/Hair Sample
1	1		60	Ago	11	E.	18	The Tare	لد	i d	
	1	F/20051112	3	P4	L	a	20	19	L	$\circ$	
-											
+ +											,
-			-				İ				
++							11				
1		and the second s						1			



#### **BAT TRANSMITTER DATA**

Project #: <u>340</u>	<u>62</u> Date:	24 July 2011	Biologists: <u>)</u>	wardy S	Reeves
Project Name:_	Tetratich Repul	olic	Site Name/#:	Site 16	<del></del>
State: OH_	County: <u>Sentta</u>		Camera #: <u>( 48</u>	34	
Picture #: 3785	8-99 <u>, 3803-0</u>			···	
Bat Species:	Hyotis sodalis		Capture Tim	e: <u>2120</u>	
Age Ad or Jv	Sex M or F	<del>-</del>	ve Condition L/PL; M=↑/↓	Wt (g)	RFA (mm)
Ad	garante.	PL		7.0	37.0
Transmitter weight =	= <u>0.2</u> grams	Freq	uency number:	2.219	
Transmitter + bat to	tal weight =	grams Band	/color number: <u>Silv</u>	er/ODNR	112063
4) Condition of	ment (Y/N): f animal: <u>Exceller</u> of release: <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	174	ip quickly		
RELEASE TIME	: 2 da 2 da TO	OTAL HOLD TIM	E:mi	nutes	
RELEASE LOCA	ATION: Site 10	e, capture loca	dion		
COMMENTS:	d onto snag o	7500			
0126 - tran	smitter reading	to west i	- × 1	4-74-74	
0200 - tran	smitter gave no	readina	!		
	smitter readi				
	- In the second				



#### **ROOST TREE DATA**

Page \_\_\_ of \_\_\_

Project #: 340,02 Date: 2	5 July 2011 Biologists: D. Jeffcott, S. Captain
Project Name: Tetratech   Republic	,
GPS Unit #: <u>A6</u> Waypoint: <u>214</u>	Camera #: <u>4634</u> Picture #: <u>184-3433,3834</u>
Latitude: 41 ° 13 ' 07,6"N	Longitude: <u>4 2 ° 5८ '34.</u> 0"W
Bat Species: Myotis sodalis	Sex(M/F): F Age(Ad/Jv): Ad Repro.: PL
Capture Date: 24 July 2011	
Frequency: 172. 2(8)	
ROOST TREE DATA	
Roost tree species: Carya Ovata	dbh: <u>25</u> cm
Estimated height from ground to roost: //	(meters) Tree height 22 (meters)
Exfoliating bark (%): 30% Distance from	om capture site: 1 κμm orkm (circle one)
Tree health: \( \sum_Live	DeadPartial
Observed roost potential: XExfoliating	ng BarkCracks/crevassesHollowUnknown
Bat vocalizations:Yes	<u>×</u> No
Guano on ground/foliage:Yes	<u>X</u> No
Is guano fresh (if present)?:Yes	<u>X</u> No
Guano volume (if present):	
DESCRIPTION OF SURROUNDING HABI  Dominant Canopy Species (> 40 cm/16" dbl  Catya ovata	Subdominant Canopy Species (< 40 cm/16" dbh)
Estimated dbh range (cm): Lg: Sm: _	40 Estimated dbh range (cm): Lg: 39 Sm: 5
Estimated canopy closure at roost: 40	
	Slight _X_None Slope aspect:
Subcanopy Clutter:Closed	•
Mature Upland ForestRecently LogYoung Upland ForestPine PlantatiXWoodlot/ForestWoodlot/Forest	gged ForestCrop/Pasture LandShrub/scrub Swamp fonStream/RiverVernal Pool estEdgeEmergent WetlandDeepwater Lake/PoncForested SwampOther  her allows some wood to be taken off stoperty

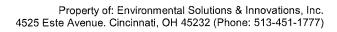


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#### **ROOST TREE DATA (continued)**

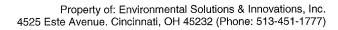
Page 🚁 of 🧵

State/County: 0 +1 / >c/u	<u>でん</u> Project Name/#: <u>ト。イトスカナーでん</u>	Date: <u>25 க</u> ெ
Frequency: 72,216	Roost Name/#: スパー	Initials: ≾
N	Sketch: Roost Tree Habitat	
COCK/ Solyber	Scodlot	field
	605 n.	
Stages of Decay:		etch: Roost Tree





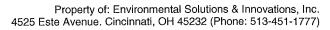
Project #: 340					
Project Name: Republic		State: <u>H</u>	Count	y: <u>Sen</u>	ecq
GPS Unit #:		Waypoint:	24-1		
Latitude: 41 ° 1) , 67.5	<u>"</u> "N		Longitud	e: <u>82</u>	° <u>56,38,0</u> "w
Roost Name/#:					
Radio-tagged bat present in t	ree: Yes	No <u>×</u> _	_		
Complete the following information on	ly if a radio-tag	ged bat is pre	esent in the ro	ost	
Bat species: M.sadalis					
Capture date: <u>ƏU-Sul-II</u>	Capture	site: <u>//</u>		Freque	ncy:( <u>가요 공년</u>
distinguish bats as silhouettes agains the roost to observe all exiting bats, the roost and do not make unnecessa  Arrival time: 2045 Depar	but not close or ry noise and/or	enough to infl r conversatior	uence emerg n, and minimiz	ence (do n ze use of lig	not stand directly beneath ghts).
Emergence Time	Nun	nber of Ba	ts	Eme	ergence Aspect
Tarl Laws	2				
2116					
2118	(				
		45ay			
					•
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	did the tran	nsmittered b	oat(s) emer	ge? Wha	at direction did the
foraged for approx	Viot al	Vicin't	L Poin	707	Corre Dars
10. Ju 40. april	<u> </u>	(	)	The second second	"" Milyan and " \$





Pag	ge	(	of	

Project #: 340.01	Date: 27 Jul 11	Biologists: M. Flynn
Project Name: <u>Republic</u>	State: _ <i>0</i>	County: Seneca
GPS Unit #:	Waypoint:_	
Latitude: 41 ° 13 ' 07,5	<u></u>	Longitude: <u>42 ° 56 ' 36.0 "</u> W
Roost Name/#: 216-1		
Radio-tagged bat present in t	ree: Yes No_ <u>×</u> _	
Complete the following information on		
Bat species: Myons Soda	is Sex(M/F): <u></u> A	ge(Ad/Jv):_Ad Repro.:_PL
Capture date: <u>24-5-11</u>	Capture site: /	Frequency:
distinguish bats as silhouettes agains	t the sky as they exit the room but not close enough to influ- ry noise and/or conversation,	t .
Emergence Time	Number of Bats	Emergence Aspect
9:10	3	circling around
9:12	pulsaria.	circling around
9:14		
	***	
circle, disperse, etc. What time	e did the transmittered ba	fly off in the same direction, loiter, at(s) emerge? What direction did the





Page $\bot$ of $\bot$	
-----------------------	--

Project #:340,01	Date:	<u>)                                    </u>	iologists:_	HHymn
Project Name: <u>Republe</u>		State:	County:	Separa
GPS Unit #: <u>25/ 4/58/67/</u>		Waypoint:		
Latitude: <u>(   °  3 ° 07,</u>	<u></u> 5_"N	L	ongitude:	<u>40 • 56 • 36,0 "</u> w
Roost Name/#: 🙎 218-1	/			
Radio-tagged bat present in t	tree: Yes	No		
Complete the following information or	nly if a radio-tag	gged bat is preser	nt in the roost	t .
Bat species: M. Sodalis	Sex(M/F	F): Age	e(Ad/Jv):_	Repro.:
Capture date: 이 기네 !!	Capture	site: <u> </u>	F	Frequency: 178.218
Arrival time: <u>2050</u> Depa	rture time:		al Bats:	1
	1101	A A		
21: N		Î	C.1	ircling:
				, van
		1994		
<u> </u>				
Describe emergence: Did bate circle, disperse, etc. What tim transmittered bat fly?	e did the tra	nsmittered bat(	(s) emerge	? What direction did the



#### **ROOST TREE DATA**

Page \_\_\_ of \_\_\_

Project #: <u>347</u> Date: <u>26-5</u>	1-11 Biologists: 5, Captain
Project Name: Jetrusech	State: DH County: Seneca
GPS Unit #: $A5$ Waypoint: $214-2$	
Latitude: 41 ° 13 ' do. "N	Longitude: <u>42 ° 56 ' 44 6</u> "W
Bat Species: M, Sodali S	Sex(M/F): F Age(Ad/Jv): Ad Repro.: PL
Capture Date: 24-Jul-11	Capture Site: 16
Frequency: 172.218	Roost Name/#: 214-2
ROOST TREE DATA	
Roost tree species: Carya, nyata	dbh: 30 cm
Estimated height from ground to roost: 3	(meters) Tree height(meters)
Exfoliating bark (%): 40 Distance from cap	
Tree health: Live	DeadPartial
Observed roost potential:	
Bat vocalizations:Yes	<u>∠</u> No ()
Guano on ground/foliage:Yes	<u></u> ≪No
Is guano fresh (if present)?:Yes	<u>∠_</u> No
Guano volume (if present):	<u> </u>
DESCRIPTION OF SURROUNDING HABITAT	
Dominant Canopy Species (> 40 cm/16" dbh)	Subdominant Canopy Species (< 40 cm/16" dbh)
	Populus del toides
	Aces saccharum
	Estimated dbh range (cm): Lg: 30 Sm: 10
Estimated dbh range (cm): Lg: Sm:	Latimated dan range (cm). Lat.
Estimated canopy closure at roost:%	ht None Slope aspect:
Slope:SteepModerateSlig	_
Subcanopy Clutter:ClosedMo	Distance to nearest flight
Distance to nearest water source: 400 mor	km (circle one) corridor:meters
Habitat Description:	
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland ForestYoung Lowland Forest Comments: Recently Logged FPine PlantationWoodlot/ForestEdOld Field	Stream/RiverVernal Pool



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#### **ROOST TREE DATA (continued)**

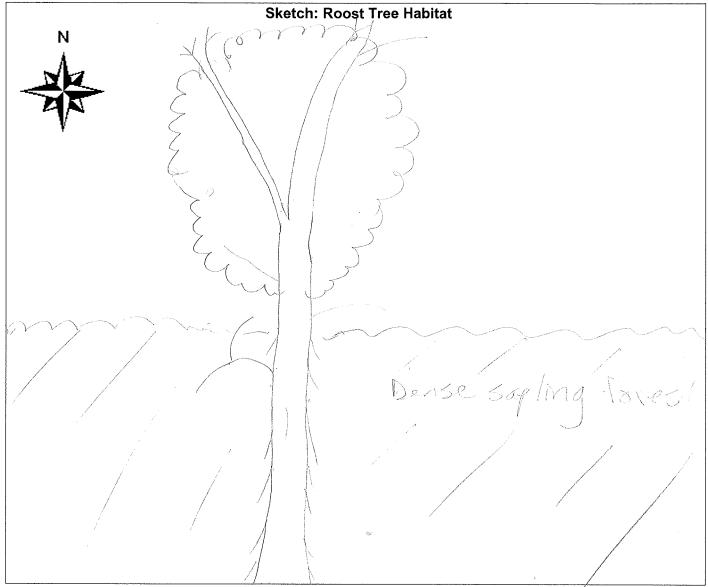
Page \_\_\_ of \_\_\_

State/County: OH /Seveca Project Name/#: Tetratech

Date: 26-5-1

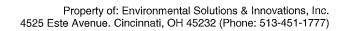
Frequency: 172,214 Roost Name/#: 216-2

Initials: 50



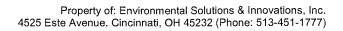
Stages of Decay:

Stage 1 Stage 2 Stage 3 Declining Dead Loose Dark
Figure 38 Sketch: Roost Tree



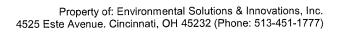


	Date: 26-Jul-11 Biologi	•
Project Name: Tetratech	State: ₫# Cou	nty: Seneca
GPS Unit #: $A5$	Waypoint:	) -
Latitude: <u>41 ° 13 '06.</u>	"N Longitu	ude: <u>\$2 ° 56 '44,6</u> "W
Roost Name/#: <u>ス/ も</u> ース		
Radio-tagged bat present in t	ree: Yes_ <u>×</u> No	
Complete the following information on	ly if a radio-tagged bat is present in the	roost
Bat species: M . Sodali 5	Sex(M/F): Age(Ad/J	v): Ad Repro.: PL
Capture date: <u>24-5u(-1)</u>	Capture site: //	_ Frequency: ィクシ, ン1 零
the roost to observe all exiting bats, I the roost and do not make unnecessa	t the sky as they exit the roost. Please out not close enough to influence emery noise and/or conversation, and minir ture time:	ergence (do not stand directly beneath mize use of lights).
Emergence Time	Number of Bats	Emergence Aspect
2056		
	1	
	186	
	emerge simultaneously, fly off in did the transmittered bat(s) eme	erge? What direction did the





Project #: 540	Date: 27501 2011	Biologists:	m former
Project #: 340 Project Name: Republic	State: <u>/</u>	t County:	Greca
GPS Unit #:			
Latitude: <u>4 / 。 13 , 0</u> 6	<u>"/</u> "N	Longitude: 🔏	12 0 56 , 33,5 "W
Roost Name/#:			
Radio-tagged bat present in	tree: Yes No <u>,&gt;</u>	<u></u>	
Complete the following information or	nly if a radio-tagged bat is	present in the roost	
Bat species:	Sex(M/F):	Age(Ad/Jv):	Repro.:
Capture date:	Capture site:	Fre	equency:
NOTE: Tallies of bat exits should be distinguish bats as silhouettes agains he roost to observe all exiting bats, he roost and do not make unnecessable.  Arrival time: Depa	st the sky as they exit the but not close enough to ary noise and/or conversa	roost. Please ensur- influence emergence tion, and minimize use	e that you are close enough to (do not stand directly beneath of of lights).
Emergence Time	Number of E	Bats	Emergence Aspect
	Q <sub>p</sub> .		





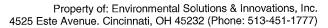
Project #: <u>340</u>	Date: 31-Jul-11 Biologis	sts: 5, Captain
Project Name: Republic	State: <u>OH</u> Cou	nty: <u>Senloa</u>
GPS Unit #:_A7	Waypoint: <u>218-2</u>	
_atitude: <u>4  °  3 ' 06.</u>	<u>/</u> "N Longitu	ide: <u>42 ° 66 '44,6</u> "W
Roost Name/#: <u>@14 – </u>		
Radio-tagged bat present in t	ree: Yes No_ <u>&gt;</u>	
	ly if a radio-tagged bat is present in the	
	Sex(M/F): Age(Ad/J	
Capture date: <u>24-5ω-11</u>	Capture site: //_	_ Frequency: <u>/ 72, 214</u>
distinguish bats as silhouettes agains the roost to observe all exiting bats, the roost and do not make unnecessate.	e made at 2-minute intervals. Use the st the sky as they exit the roost. Please but not close enough to influence emeary noise and/or conversation, and minimitariture time:	e ensure that you are close enough to rgence (do not stand directly beneath nize use of lights).
Emergence Time	Number of Bats	Emergence Aspect
	110 0415	
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	s emerge simultaneously, fly off in e did the transmittered bat(s) em	n the same direction, loiter, erge? What direction did the



#### **ROOST TREE DATA**

⊃aqe	1	of	2

Project #: <u>3 40</u> Date: <u>27 - 24</u>	Biologists: 5. Captai, M. tarmer
Project Name: Telad colu	State: 6 1 County: 2000
GPS Unit #: A 7 Waypoint: 2/8-3	Camera #: <u>4434</u> Picture #: <u>/04-3335, 3836</u>
Latitude: <u>41 ° 13 ' 12,0</u> "N	Longitude: <u>42 ° 56 '33.5</u> "W
Bat Species: M. Sodali 5	Sex(M/F): Age(Ad/Jv): Ad Repro.: PL
Capture Date: 24-5u/-11	Capture Site:
Frequency: 172,216	Roost Name/#: 218-3
ROOST TREE DATA	
Roost tree species: Larya ovata	(meters) Tree height(meters)
Tree health:Live	DeadPartial
Observed roost potential: Exfoliating Bar	kCracks/crevassesHollowUnknown
Bat vocalizations:Yes	<b>≫_No</b>
Guano on ground/foliage:Yes	×_No
Is guano fresh (if present)?:Yes	<u>≻</u> No
Guano volume (if present):	
DESCRIPTION OF SURROUNDING HABITAT  Dominant Canopy Species (> 40 cm/16" dbh)	Subdominant Canopy Species (< 40 cm/16" dbh)  Carya ovata  Aces Saccharum
Estimated dbh range (cm): Lg: Sm:	Estimated dbh range (cm): Lg: 25 Sm: 10
Estimated canopy closure at roost:%	Lotimatod dom talligo (om). Lg om
Slope:SteepModerateSlig	ht None Slope aspect:
•	oderateOpen
Distance to nearest water source: 750 mor	Distance to nearest flight
Habitat Description: Many Cama over fee	stargetrees very dense vegetation
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland ForestYoung Lowland ForestOld Field Comments:	ForestCrop/Pasture LandShrub/scrub SwampStream/RiverVernal Pool





#### **ROOST TREE DATA (continued)**

Page 2 of 2

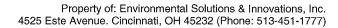
State/County: OH / Serveca Project Name/#: 340 Date: 27-Jul- ||
Frequency: 172,218 Roost Name/#: 218-3 Initials: 5C



Comm	ients: _								Sketch: Roost Tree
Stages	s of Deca	ay:							
Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7	Stage 8	Stage 9	
Live Figure 38	Declining	Dead	Loose bark	Clean	Broken	Decomposed		Stump	



Project Name: Tetratech	State: <u>○ 月</u> Co	gists: <u>S. Captain</u> ounty: <u>Scaec</u> a
Δ νως		
GPS Unit #://	Waypoint: <u> </u>	3
Latitude: <u>41 ° 13 ' 12</u> .	<u>O</u> "N Long	itude: <u>\$2 ° 56 ' 33.5</u> "W
Roost Name/#: <u>2/6-3</u>		
Radio-tagged bat present in	tree: Yes No only if a radio-tagged bat is present in the	ne roost
	,	/Jv): <u>Ad</u> Repro.: <u>PL</u>
		Frequency: ৃত্ত.১।র
distinguish bats as silhouettes agair the roost to observe all exiting bats the roost and do not make unnecess	nst the sky as they exit the roost. Plea	- '
Emergence Time	Number of Bats	Emergence Aspect
2124	Andrew Control	
7/1-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	'6g-	
7, 114 (100 (100 (100 (100 (100 (100 (100		
	s emerge simultaneously, fly off e did the transmittered bat(s) er	in the same direction, loiter, nerge? What direction did the





Page	 of	

distinguish bats as silhouettes against the sky as they exit the roost. Please ensure that you are close enough the roost to observe all exiting bats, but not close enough to influence emergence (do not stand directly beneat the roost and do not make unnecessary noise and/or conversation, and minimize use of lights).  Arrival time: Departure time: Total Bats:  Emergence Time Number of Bats Emergence Aspect	Project #:	Date: 29 July Biol	ogists: MFgrmal
Latitude: # # # # # # # # # # # # # # # # # # #	Project Name: Pepulic	State: <u>0</u> (	County: Seneca
Roost Name/#:  Radio-tagged bat present in tree: Yes No Complete the following information only if a radio-tagged bat is present in the roost  Bat species:  Sex(M/F):  Age(Ad/Jv):  Repro:  Capture date:  Capture site:  Capture site:  Capture site:  Frequency:  77.218  NOTE: Tallies of bat exits should be made at 2-minute intervals. Use the back lighting of the setting sun to he distinguish bats as silhouettes against the sky as they exit the roost. Please ensure that you are close enough the roost and do not make unnecessary noise and/or conversation, and minimize use of lights).  Arrival time:  Departure time:  Total Bats:  Emergence Time  Number of Bats  Emergence Aspect  Describe emergence: Did bats emerge simultaneously, fly off in the same direction, loiter, circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?	GPS Unit #:A_5	Waypoint:	·
Radio-tagged bat present in tree: YesNo	Latitude: <u>4( ° (3 ° 12</u> .	"O_"N Lon	gitude: <u>42° 56′, 33,6</u> "W
Complete the following information only if a radio-tagged bat is present in the roost  Bat species: Sex(M/F): Age(Ad/Jv): Age(	Roost Name/#:		
Bat species: Sex(M/F): Age(Ad/Jv): Repro.: Prequency: 172,218  NOTE: Tallies of bat exits should be made at 2-minute intervals. Use the back lighting of the setting sun to he distinguish bats as silhouettes against the sky as they exit the roost. Please ensure that you are close enough the roost to observe all exiting bats, but not close enough to influence emergence (do not stand directly beneat the roost and do not make unnecessary noise and/or conversation, and minimize use of lights).  Arrival time: Departure time: 130 Total Bats:  Emergence Time Number of Bats Emergence Aspect  2 1 0	Radio-tagged bat present in t	ree: Yes No <u></u> X	
NOTE: Tallies of bat exits should be made at 2-minute intervals. Use the back lighting of the setting sun to he distinguish bats as silhouettes against the sky as they exit the roost. Please ensure that you are close enough the roost to observe all exiting bats, but not close enough to influence emergence (do not stand directly beneat the roost and do not make unnecessary noise and/or conversation, and minimize use of lights).  Arrival time: Departure time: Total Bats: Emergence Aspect  Emergence Time Number of Bats Emergence Aspect  2	Complete the following information on	ly if a radio-tagged bat is present ir	the roost
NOTE: Tallies of bat exits should be made at 2-minute intervals. Use the back lighting of the setting sun to he distinguish bats as silhouettes against the sky as they exit the roost. Please ensure that you are close enough the roost to observe all exiting bats, but not close enough to influence emergence (do not stand directly beneat the roost and do not make unnecessary noise and/or conversation, and minimize use of lights).  Arrival time: Departure time: Total Bats: Emergence Aspect    Emergence Time	Bat species:	Sex(M/F): Age(A	Ad/Jv): Ad Repro.:
NOTE: Tallies of bat exits should be made at 2-minute intervals. Use the back lighting of the setting sun to he distinguish bats as silhouettes against the sky as they exit the roost. Please ensure that you are close enough the roost to observe all exiting bats, but not close enough to influence emergence (do not stand directly beneat the roost and do not make unnecessary noise and/or conversation, and minimize use of lights).  Arrival time: Departure time: Total Bats: Emergence Aspect  Emergence Time Number of Bats Emergence Aspect  2	Capture date: <u>24Jul -//</u>	Capture site: 16	Frequency: <u>_/72, 218</u>
Describe emergence: Did bats emerge simultaneously, fly off in the same direction, loiter, circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?	distinguish bats as silhouettes agains the roost to observe all exiting bats, the roost and do not make unnecessa	It the sky as they exit the roost. P but not close enough to influence try noise and/or conversation, and r	lease ensure that you are close enough to emergence (do not stand directly beneath minimize use of lights).
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?	Emergence Time	Number of Bats	Emergence Aspect
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?	7/10		
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?	2114		
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?			
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?			
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?			
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?		%:	
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?			
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?			
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?			
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?			
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?			
circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?			
	circle, disperse, etc. What time transmittered bat fly?	e did the transmittered bat(s)	emerge? What direction did the



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	MOOO! IMEE E	MENGENCE DATA
Project #:	Date: Biolog	ists: <u>Doors</u>
Project Name: 16 16 16 16 16 16 16 16 16 16 16 16 16	State: <u>ຼ່</u> Coເ	ınty: <u> </u>
GPS Unit #:	Waypoint: <u>&amp;//</u>	3
UTM Zone: Easting:	12 15 Northin	ng: <u>12 54 25 </u>
Roost Name/#:		
Transmittered bat present in	tree: Yes No	
Complete the following information on	ly if a radio-tagged bat is present in the	roost
Bat species: M. Solicition	Sex(M/F): Age(Ad/	Jv): Repro.:
Capture date: 44-7-4-4	Capture site: ///	Frequency: 1925, 873
Arrival time: Depar	·	,
Emergence Time	Number of Bats	Emergence Aspect
- 20 6H	/	
2056		
2058	1	
2100	purang busan	
2102	*lor	
2104	0	
2106	Ô	
7108	(2)	



Project #:	Date: <u>Selection</u>	Biologists: <u>೨೧೯೩</u>	\$ 4
Project Name: <u>   Clade Su</u>			
GPS Unit #: <u>/                                  </u>	Waypoint:_	214-3	
UTM Zone: Easting:	12 12 m	Northing:	
Roost Name/#: <u>タ/カーツ</u>			
Transmittered bat present in	tree: Yes No	_	
Complete the following information on	ly if a radio-tagged bat is pre	sent in the roost	
Bat species: <u>M. 357, 775</u>	Sex(M/F):	\ge(Ad/Jv):	Repro.:
Capture date: <u>24 July 1</u>	Capture site: / 🎊	Frequer	ncy: <u>4735 273</u>
NOTE: Tallies of bat exits should be distinguish bats as silhouettes agains the roost to observe all exiting bats beneath the roost and do not make ur	at the sky as they exit the room, but not close enough to innecessary noise and/or converse.	ost. Please ensure that influence emergence (i.e.	you are close enough to e., do not stand directly
Arrival time: Depar	ture time:		

Emergence Time	Number of Bats	Emergence Aspect
2054		
2056	0	
2058	1	
2100	persona bennever	
2102	°ar-	
2.104	0	
2106	0	
2108	0	
2110	0	
2112	/	
2114		
2116	0	
Zu 1 18	Ô	



#### **ROOST TREE DATA**

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Page	 of	

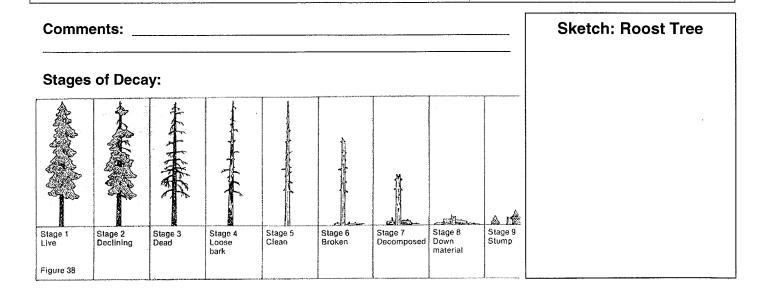
Project #: <u>340</u> Date: <u>245</u>	Dul-11 Biologists: 5. Caplain 1 M. Farmer
Project Name: Tetatech	State: O H County: Se / 20 / A
<b>GPS Unit #:</b> <u>A77</u> <b>Waypoint:</b> <u>216-4</u>	Camera #: <u>4334</u> Picture #: <u>104-3537, 3338</u>
Latitude: <u>41 ° 13 ' 08-6</u> "N	Longitude: <u>42 ° 56 '37.7</u> "W
Bat Species: M . 50 da 155	Sex(M/F): Age(Ad/Jv): A Repro.: PL_
Capture Date: 34-54-11	Capture Site: / 6
Frequency: 170, 218	Roost Name/#:_2/3/
ROOST TREE DATA	
Roost tree species: Carya ovata	dbh: <u>35</u> cm
Estimated height from ground to roost: 20	dbh: 30 cm (meters) Tree height 40 (meters)
Exfoliating bark (%): 30 Distance from	capture site:m or km (circle one)
Tree health: <u>Live</u>	DeadPartial
Observed roost potential:	BarkCracks/crevassesHollowUnknown
Bat vocalizations:Yes	<u></u> No
Guano on ground/foliage:Yes	<u>∠</u> No
Is guano fresh (if present)?:Yes	<u></u> ×No
Guano volume (if present):	
DESCRIPTION OF SURROUNDING HABITA	<u>r</u>
Dominant Canopy Species (> 40 cm/16" dbh)	Subdominant Canopy Species (< 40 cm/16" dbh)
	('arya ovata
	46
Estimated dbh range (cm): Lg: Sm:	Estimated dbh range (cm): Lg: 36 Sm: 10
Estimated canopy closure at roost:%	
Slope:SteepModerateS	Slight None Slope aspect:
Subcanopy Clutter:Closed	_ModerateOpen
Distance to nearest water source:	Distance to nearest flight or km (circle one) corridor:meters
Habitat Description:	
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland ForestYoung Lowland ForestOld Field Comments:	Stream/RiverVernal Pool

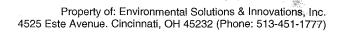


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#### ROOST TREE DATA (continued) Page \_\_\_ of \_\_\_

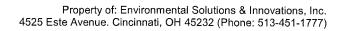
State/County: 0H / Seneca Project Name/#: 340 Date: 24 Sul (/ Initials: 4/ Frequency: 172.246 Roost Name/#: 216-4 **Sketch: Roost Tree Habitat** 







Project #: 3 4 6	Date:	28 16-11	Biologist	s: <u>///</u>	A Market
Project Name: Republic		State: 💇	Coun	ty:_5e	neca
GPS Unit #: <del>/</del> 5		Waypoint:_			
Latitude: <u>4/ ° 13 , 09</u>	<i>3,</i>		Longitud	e: <u>82</u>	56,377 "W
Roost Name/#:/				<del></del>	
Radio-tagged bat present in	tree: Yes	No	-		
Complete the following information of					
Bat species: 👌 🗸 🗸 😸	Sex(M/F	F): A	\ge(Ad/Jv)	): Hd	Repro.: PL
Capture date:	Capture	site:		Freque	ency:
the roost to observe all exiting bats, the roost and do not make unnecess.  Arrival time: Depa	ary noise and/o	r conversation,	, and minimiz	ze use of li	ghts).
Emergence Time	Nur	nber of Bat	s	Em	ergence Aspect
2212		waren.			
2215		**************************************			
<u>}</u> . 1.		<u> </u>			
					-
					·
					, parting of the state of the s
Describe emergence: Did bats 'rcle, disperse, etc. What tim 'mittered bat fly?		-	-		





Project #: 340	Date: <u>29-5ul-ll</u> Biolog	ists: M. Flynn
		inty: Beneca
GPS Unit #:	Waypoint: <u>2/3</u> - Ц	
Latitude: <u>41 ° 13 ' 04.</u>		ude: <u>82 ° 56 '33,7</u> "W
Roost Name/#: <u>216~4</u>		
Radio-tagged bat present in	tree: Yes No <u>⊱</u>	
Complete the following information or	nly if a radio-tagged bat is present in the	roost
Bat species: M. 50dalis	Sex(M/F): Age(Ad/	Iv): <u>Ad</u> Repro.: <u>PL</u>
Capture date: <u>AY-5uI-II</u>	Capture site: //	Frequency: <u>/ 72.2/8</u>
the roost to observe all exiting bats, the roost and do not make unnecessa	st the sky as they exit the roost. Pleas but not close enough to influence emeary noise and/or conversation, and minimum time: 2/25 Total Bate	ergence (do not stand directly beneath mize use of lights).
Emergence Time	Number of Bats	Emergence Aspect
2110	/	
	1	
		,
	(Spr	
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	emerge simultaneously, fly off in the did the transmittered bat(s) em	n the same direction, loiter, erge? What direction did the



	Date: 30-JU-201 Biolog	
oject Name: <u>Republic</u>	State: <u>⊘</u> ├ <del>├</del> Co	
	Waypoint: <u> </u>	
titude: <u>41 ° 13</u> , 09		tude: <u>82 ° 56 , 33,7</u> "W
ost Name/#:		
dio-tagged bat present in	tree: Yes NoX	
	only if a radio-tagged bat is present in th	
		/Jv): <u>Ad</u> Repro.: <u>PL</u>
pture date: 24-Jul 11	_ Capture site: / C	Frequency: <u>/ ⊃ ⊋ , ⊋ / \$</u>
	sary noise and/or conversation, and mir	J.
	arture time: <u>থাব</u> Total Ba	
Emergence Time	Number of Bats	ts: Emergence Aspect
	Number of Bats	



#### **ROOST TREE DATA**

Page /\_ of @\_

Project #: 340 Date: 29-Ju	1-11 Biologists: 5. Captain 4 M. Farmer
Project Name: Tetratech Republic	State: Dff County: Serce a
GPS Unit #: 47 Waypoint: 218-5	
Latitude: <u>41 ° 12 '38.6</u> "N	Longitude: <u>67 '03.4</u> "W
Bat Species: M. Sodal; 5	Sex(M/F): F Age(Ad/Jv): Ad Repro.: PL
Capture Date: 24-Jul-11	Capture Site: 16
Frequency: 170,214	Roost Name/#:_ <u>2/8~5</u>
ROOST TREE DATA	
Roost tree species: Carya ovata	dbh: <u>40</u> cm
Estimated height from ground to roost: 35	(meters) Tree height (meters)
Exfoliating bark (%): 40 Distance from cap	oture site: / O o mor km (circle one)
Tree health:	DeadPartial
Observed roost potential:	Cracks/crevassesHollowUnknown
Bat vocalizations:Yes	<u></u> ∠No
Guano on ground/foliage:Yes	<u></u> No
Is guano fresh (if present)?:Yes	<u></u> ∠No
Guano volume (if present):	<u> </u>
DESCRIPTION OF SURROUNDING HABITAT	
Dominant Canopy Species (> 40 cm/16" dbh)	Subdominant Canopy Species (< 40 cm/16" dbh)
Carya svata	Carya ovata
	Heer saccharum
	Populus de Hoides
Estimated dbh range (cm): Lg: 40 Sm: 40	Estimated dbh range (cm): Lg: 35 Sm: 10
Estimated canopy closure at roost: <u>05</u> %	
Slope:SteepModerateSligh	•
Subcanopy Clutter:ClosedMo	
Distance to nearest water source: 25 mor	
Habitat Description: <u>Deciduous woodlot between</u>	ntwo houses. Nieur edge of lawnw/a pond.
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland ForestYoung Lowland ForestOld Field Comments:	Stream/RiverVernal Pool



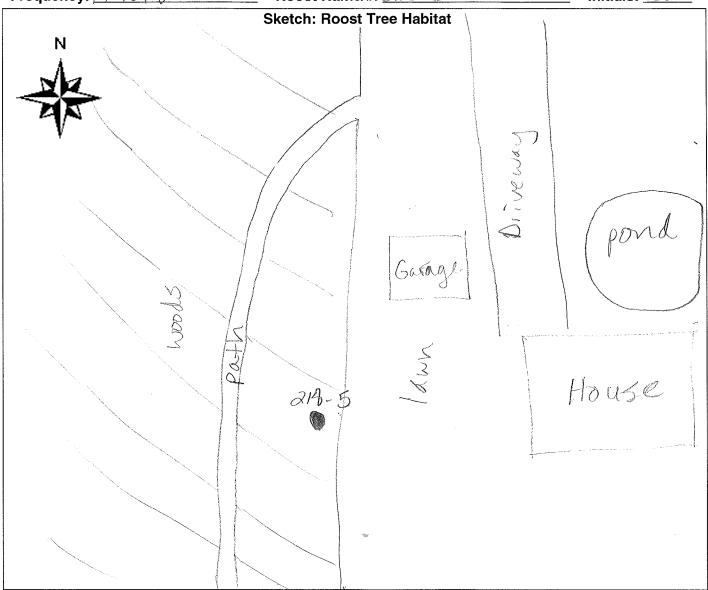
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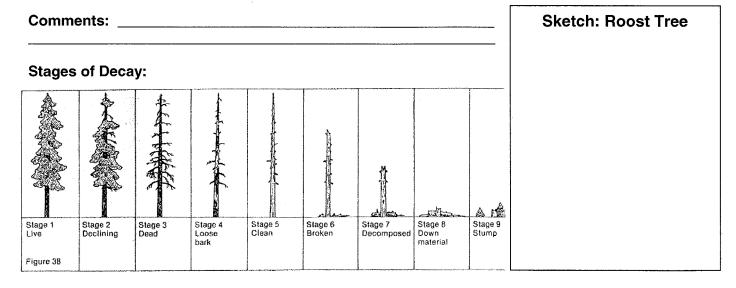
#### **ROOST TREE DATA (continued)**

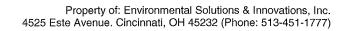
Page 2 of 2

State/County: 6H / Seneca Project Name/#: Tetratech Date: 29-5ul-11

Frequency: 172, 2, 4 Roost Name/#: 215-5 Initials: 55









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GPS Unit #:_A7	Waypoint: <u>2/4</u>	unty: <u>Sence a</u>
Latitude: <u>41 ° 12 ' 3</u> 4,	<u>~</u> "N Longit	ude: <u>40 ° 57 ' 65.5</u> "W
Roost Name/#: <u>214-5</u>		
Radio-tagged bat present in t	ree: Yes <u> </u> No	
_	ly if a radio-tagged bat is present in the	n 1
Bat species: M. sodalis	Sex(M/F): Age(Ad/	Jv): <u>Ad</u> Repro.: <u>Pl</u>
Capture date: <u>&amp;U-5al-11</u>	Capture site: 16	Frequency: <u>/ 72. 218</u>
the roost and do not make unnecessa  Arrival time: <u>2025</u> Depai	rture time: <u>//</u> Total Bat	s:
Emergence Time	Number of Bats	Emergence Aspect
2053	-	NW)
	Page .	



## **ROOST TREE DATA**

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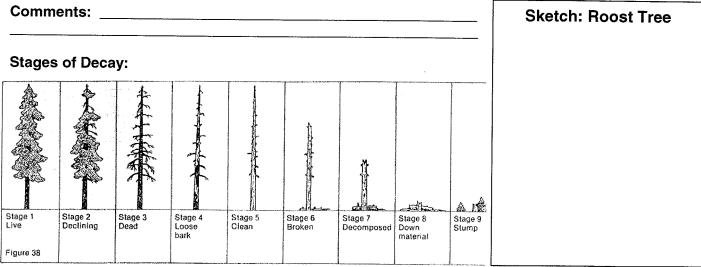
Project #: 340 Date: 30-50	d-11 Biologists: 5. Captain
Project Name: Tetalech Republic	State: OH County: Sene Ca
GPS Unit #: A 7 Waypoint: 2/4-6	Camera #: <u>4934</u> Picture #: <u>104-3446, 3847</u>
Latitude: <u>41 ° 13 ' 17,9</u> "N	Longitude: <u>40 ° 66 '33.6</u> "W
Bat Species: M. Sndall S	Sex(M/F): Age(Ad/Jv): Ad Repro.: PL
Capture Date: 24-04-11	Capture Site:
Frequency: 172,215	Roost Name/#: 2/10-6
ROOST TREE DATA	
Roost tree species: Carya Ovata	
Estimated height from ground to roost:/	
Exfoliating bark (%): 30 Distance from cap	ture site:m orkm (circle one)
Tree health:	DeadPartial
Observed roost potential:	Cracks/crevassesHollowUnknown
Bat vocalizations:Yes	<u>∠</u> No
Guano on ground/foliage:Yes	<u>∖_</u> No
Is guano fresh (if present)?:Yes	<u></u> No
Guano volume (if present):	<del></del>
DESCRIPTION OF SURROUNDING HABITAT	
Dominant Canopy Species (> 40 cm/16" dbh)	Subdominant Canopy Species (< 40 cm/16" dbh)
	Quereusaba
	Populus grandidentata
Estimated dbh range (cm): Lg: 4/0 Sm: 4/0	Estimated dbh range (cm): Lg: <u>35</u> Sm: <u>/</u>
Estimated canopy closure at roost: <u>75</u> %	
Slope:SteepModerateSligh	nt None Slope aspect:
Subcanopy Clutter:ClosedMod	derateOpen
Distance to nearest water source:	Distance to nearest flight km (circle one) corridor:meters
Habitat Description: Deciduous Porest w/an	ate trail, slightly less disturbed that rest of
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland ForestYoung Lowland Forest Comments: Check all that apply:Recently Logged Formula in the property in the property is the property in the property in the property is the property is the property is the property in the property is the property in the property is the property in the property is the property is the property in the property is the	orestCrop/Pasture LandShrub/scrub Swamp Stream/RiverVernal Pool

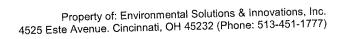


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## ROOST TREE DATA (continued) Page 2 of 2

State/County: <u>OA/seneca</u> Frequency: <u>72.214</u>	Project Name/#: Tetalech Roost Name/#: 218-6	Date: <u>3○Jul-  </u> Initials: <u>5</u> <
Frequency: 72.214		Initials:
	woodlot	
	CR - 32	



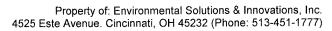




Duniant #1 317	Date: 30 Jul   Biologi	sts: 5, Captain
Project #:	State: 611 Cou	inty: <u>Servea</u>
Project Name: Pepublic	Julian State Old of	
	Waypoint: <u>⊘ֈ֍-</u> ⊘	23 - C/ 137 / WAI
Latitude: <u>41 ° 13 '17.9</u>	"N Longit	ude: <u>32 ° 56</u> ' <u>33,6</u> "W
Roost Name/#: 216-6		
Radio-tagged bat present in	tree: Yes_ <u>//</u> No	a ve est
	nly if a radio-tagged bat is present in the	Popro:
Bat species: M. Sodalis	_ Sex(M/F): Age(Ad/	Jv): Ad Repro.: PC
Capture date: 24-541/11		Frequency: 172,218
distinguish bats as silhouettes again the roost to observe all exiting bats, the roost and do not make unnecess	ist the sky as they exit the roost. Plea, but not close enough to influence emery noise and/or conversation, and minarture time:	e back lighting of the setting sun to help se ensure that you are close enough to hergence (do not stand directly beneath himize use of lights).
Emergence Time		Emergence Aspect
		unknown
1 1 - 4	<u>``</u>	UNITE / HOWVE
2059		V TR TIONY
2059		V*18/10AV C
2059		V-18-11GAV C
2054		V 18 116 11 C
2059		
2059	- Sor	
2059		
2059		
2059		
2054		
2054		



		iologists: M. Farmes
Project Name: <u>Legablic</u>	State: <u>6 H</u>	County: <u>Seneca</u>
		KL
atitude: <u>リノ。 パ</u> ・ク	<u>9</u>	ongitude: <u>82 ° 56 ' 33,6</u> "W
Roost Name/#: <u> &amp;/&amp;-6</u>		
Radio-tagged bat present in t		
Complete the following information or	nly if a radio-tagged bat is presen	t in the roost
Bat species: Mesadalis	Sex(M/F): Age	e(Ad/Jv):_ <i>Ad</i> Repro.:_ <i>PL</i>
Capture date: 24 -Jul-II	Capture site: <u>/</u> 6	Frequency: _/72,218
he roost to observe all exiting bats, he roost and do not make unnecessaterival time: 2045 Department	ary noise and/or conversation, an	,
Emergence Time	Number of Bats	Emergence Aspect
	1697	
circle, disperse, etc. What time ransmittered bat fly?	• • • • • • • • • • • • • • • • • • • •	y off in the same direction, loiter, s) emerge? What direction did the
the roost tree, I	No individuals see	of foraging the transpy org





	<i>}</i>	Biologists: Caraca / Son
Project Name: <u>૧૯૦૦૦૫ ૯</u>	State: <u>State</u>	_ County: <u>Seneca</u>
GPS Unit #:		
Latitude: <mark>1 ° 13 ' 17 9</mark>	<u>"</u> "N	Longitude: <u>\$2 . 56 , \$3,60</u> "W
Roost Name/#: <i>えい</i> を		
Radio-tagged bat present in t	ree: Yes No	ONK V
Complete the following information on		sent in the roost
Bat species: Manageria	Sex(M/F): A	ge(Ad/Jv): Ad Repro.: PL
Capture date: 24 Jul -11	Capture site: 16	Frequency: 12, 218
the roost to observe all exiting bats, the roost and do not make unnecessatherival time:	but not close enough to influ- ry noise and/or conversation,	
Emergence Time	Number of Bats	s Emergence Aspect
ar'04	A. marin	4
21:11	And the second s	<u> </u>
<u> </u>	90	<u> </u>
2115	/	- Annual Control of the Control of t
2117	<u> </u>	<u> </u>
<u> </u>		
	The state of the s	
2130	**************************************	
1120	/	
11 73		
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	emerge simultaneously, e did the transmittered ba	, fly off in the same direction, loiter, at(s) emerge? What direction did the



Page_		of
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Project #: 34/\(\text{\beta}\) Date:	Jul-11 Biolo	ogists: <u>5. Captain</u> County: <u>Seneca</u>
Project Name: 1 et ratech		
USGS Quad:	GPS Unit #:_ <i>A5</i>	Maypoint:
Bat Species: M. Sodatis		
Transmitter Frequency: 172,214		
Comments: So 2: Union connectary or	(3)	

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
	u1°14′17.3	22054316	218	A205	240	160
52	41°14′17.2	32°58'31.6 32°58 15.4	213	0000	32	
502		000 000		0005	64	
3C2				0010	79'	
				0015	84	
502				0020		
42				0025		
500				∞30	66	
4/2				<b>∞</b> 35	778	
11				0040	Carrier State of the State of t	
11				0045	,	
11				0050	31	
11				0055	54	
11			40.	0100	65	
11				0105	Colo	
11				0110	Carrie 200 (0) 207	
5C Q				0115	de l'ann de l'année l'	
20.00	110 - 1 - 2 - 1	32°55'04.4		0145	262	
3C 3	4101315.1	50 09.7		7 2	261	
503				0165	263	
503				0/000	270	
503						



Page	of
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Project #: 340 ○ Date: 25	5 Jul 11 Biologists: M Flynn
Project Name: Republic	State: OH County: Seine co
USGS Quad:	GPS Unit #: 465570 Waypoint: 019
Bat Species: Myotis Sodolis	
Transmitter Frequency: 172.218	
Comments:	
	<u> </u>

Station	Latitude	Longitude	Frequency	Time	Azimuth	Comments
#		<u> </u>		(0000h)		
10USE	410 ja' 46,0"	192158131	172.218	9180	e.~. (	no Slanai
		,	·	9 30	parties of the	
				3710	₹*****	
			\$	9:45.	garage and	gain and an exist, with an existing taking may be because on a surrounce was made and beautiful to be
				9190	w.,	
					200	
				-51.50	£	* /
				101.05	Minimum	
	1			10110	Market no	7.1
	/			10:15		41
***************************************				10:20	graphy and the second	
				101.25	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7
				(0130		1.
				10 3-5	property .	travel
			Age.	10140		1 //
				10:45		12° SCOSTON 213°
5 C	41 111 17 2	80 08 3 6	178,818	15155	9	Repolscodion
	100	2: :		10:55		120
			****	11:00	্ৰ ক্ৰিক্টাৰ্	200
				11156		V 5 91972!
				11.70	water or the second second second	11
				1016		11 1/
				11:20	criallo	0
				11:25		20
				11130		la o
				11:39	<del></del>	116 Stay 11 ad
				Higo		110 010 71 001
				11:45	4	1040
				9.50		1640



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1 495	OI .

## FIXED TELEMETRY DATA (continued)

Project #: <u>340.61</u>	Date: <u>25ปีป ก</u>	State: <u> </u>	County: Scart CA	Initials: <u></u> ₩⊑
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Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
				11:56	4150	1150
				13100	George .	
				14:05	1 2	no signal
	****			19/10	1770	1040
				10 (14)		10.13.65
		***		13:20	108°	I I II
					-1 62°	1030
				12130	13005	100
				12:35		180
				1 1775 11 11 1		116 519:33
				12145	A. S.	C //
				12/50	1780 1580	
				12:56	1280	
				1:00	1260	
				1:05		10 5 00
				1,06	AND A	H / !
				1115		12
				1,20	1340	
				1125	12,30	A01
				1:30		Voo Shiva J
				1/35	200	10 10 10 10 10 10 10 10 10 10 10 10 10 1
				(140		,
				1145		1
				1:50		*
			498	1 '55	,	No.
			-	a:00	200	4
				a:00 3.36	1343	
		,		210	No Separa	10 000
		<u> </u>		215		11
				1.00	energy.	
				âdă.	g	1
				6.30		<u> </u>
					-	
				~		



Page<u></u> of 2

Project #: <u>346</u>	Date: 25-Jul-1 Biologists: M, tarmes	
Project Name: Tetratech	State: OH County: Segal a	
USGS Quad:	GPS Unit #: A*/ Waypoint: msF	
Bat Species: M. sodali 3	Construction Side	
Transmitter Frequency: /フ②,	213	
Comments:		
	War and the second seco	

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
MSF	4113 36.9	42 56 10.9		3445	26	
				0050	200,	
				0055	2.00	
				6100	73-7	
				0125	237	
				240	2.10	
				0115	159° 240° 223°	
				0170	240°	
				0135	223	
				0130	150°	
				0174	1501	
				0140	604	
				0145	1 *\	
			- Care	0150	1253	
				6135	1353	
				000	155	
				0205		
				0210		
				0215		
		1707				
				-		



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#### FIXED TELEMETRY DATA (continued)

Project #: 340 Date: 25 State: 614 County: Seneca Initials: ME

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
	41013'36,9"	82°56 10,9"		5/20		
				235	79	VALUE OF THE PARTY
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			2140	42	11.794
				1-/145	91,5	
			100	1150	60.0	
				7/59	26	
				7200	90,0	
				2205	81"	
				22.10	U.C.	
				22.15	60	
				2220	63	
				2235	<i>50</i>	
				1235	6	
				2735	40	
				277.46		and the state of t
				2248	44	
				2250	25 52	
				1457	52	
				2 300	92	
				2308	66	
			X	17516	[ \$ a ]	
			*	23(4	270	C
				2320	240.5	
				2325	233	The state of the s
				2730	alpha para a sa a sa a sa a sa a sa a sa a s	
				2335	244	1,70,70
				2540	2	
				2 345	115	
				235	760	
				2355	252	** and
				0000	234	CPaint Aigua)
				\$ 00 B	30 <b>5</b>	Com fall to
				2010	2.79	64.00
				00(5	16,11.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
				7010		The his work and hand
				W026	Due South	
				2330	200	
				0.035	*Sometime of the contract of t	
				J940	7.04	



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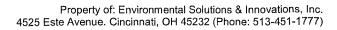
Project #: 346.62	Date: 25 July 2011 Biologists: S Rel VES
Project Name: Tetratech	Republic State: County: Seucca
USGS Quad: Fire 5ide	GPS Unit #: <u>F9528</u> Waypoint: <u>617</u>
Bat Species: Myphis Socia	
Transmitter Frequency: 17	2-2 8
Comments: Interference	- from madinery Dossibly at Miller Para
7	

Station #	Latitude 📈	Longitude ${\cal W}$	Frequency	Time (0000h)	Azimuth	Comments
Millerkun	41° 11'55.0"N	82° 56 53.9"	172.2181	2100:	Andreas and a second of the se	No Signal:
) Miller Page	41° /1'55.0"	72°56′53.9′′	172,2181	2140		No squal
Miller Ban	· 41° 11′ 55.0″	82° 56' 53,9"	172.2181	2345		No signal
Miller	41° 11′ 55.0″	82° 56' 53,9"	172,2181	2350	And the state of t	No sona
J Mille Barn	41° 11′ 55.51′	82° 56 53.9"	172.2161	0000_	Approximate the state of the st	No Ginnal
Millerboo	41°11'55.0''	82° 56' 53.9''	172,2181	(1005	processor (as former than appropriate to an overland the approximate	No signal
JHillurBan	411155.0"	82° 56' 53.9"	172,2181	0010	processor and a contract of the contract of	No sinnal
Miller	41°11'55.0"	820 56 53.9"	172,2181	0015	Street, and the second second second	No 310 mg!
Milly Bun	41° 11' 55.0"	82° 56, 53.9"	172.2181	0020	Andready have following appropriate to depend on a former server	<u>Nosiriel</u>
Millerbur	410 11'55.0"	82°56'53.9"	172,2181	0025		No signal
MillaRa	.41°11'55.0"	82.90'53.9"	172.218	0030		No Signal
JH/lly Ker	41155.8"	82°56'53.9"	72.2181	0035	arthur for all high control of the c	Nosiqual
32/79	4121 43,5"	82056 111,21	172.2181	0055	350"	and the same of th
32/79	41° 12' 43.5"	820 56 14.2"	172-218	0160	246	distribution and distribution and the second
32/74	410 121 43.5"	820 56' 14.2"	172,2181	0105	352"	
32/79	410 12' 43.5"	82° 56' 14.2"	172.2181	0110		No Signal
32/79	41' 12' 43.5"	820 56 14.211	172.2181	0115	Control Contro	No Signal
32/79	410 121 43,5"	820 56 14,2"	172,2181	0/20	3180	Victoria de la compansa de la compan
32/79	41° 12′ 43.5″	82° 56' 14.2"	172.2181	0125	3430	The state of the s
32/79	41°12' 43,5"	82° 56 14.2"	172.2181	0130	3590	Annual of the second second second second second second second
32/79	410 121 43.5"	82° 56' 14.2"	172.218	0135	3400	An extension of the first of th
32/79	41.0 121 43.5"	82° 56' 14.2"	172 12141	0140	00	*Many person to the passage of the second se
32/79	41° 12' 43,5"	82° 56' 14.2"	172.2181	0145	Mora decide a commence and comm	No Signal
32/79	419 12' 43.5"	82' 56' 14.2"	172.2181	0150	30	J
32/79	41012' 43.5"	82° 56 14.2"	1/2.4.01	0155	***************************************	No Signal
32/79	410 12 43.5	82° 56' 14.2"	172.2181	0200	25°	The state of the s
		1		ļ		



Project #: 340.01	Date: 26 Jul 11	_ Biologists: H Flanc	
Project Name: Republic	State:	OH County: See	<u>V. @^</u>
USGS Quad:	GPS Uni	t #: Wayp	oint:/MF
Bat Species: Myohs sod	alis_		ţ
Transmitter Frequency: 172	.218		
Comments:			

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
3C	41014, 11.911	82058131111	172,218	22:10	12.2 °	
				<i>a</i> a:15	1220	
				<i>a</i> a:26	1200	
			:	aa!a5	1080	
				aa:36 3335	1120	
				8985	1380	
			**************************************	22:40	1240	
				aa:45	130°	
				23:10	1080	
ME	41 12 384	82 97 5920	and disposed and d	60:69	60° 32°	**************************************
			- National Control of the Control of	01:40	30 U	
		,		0150	Sle	
			The state of the s			
			/1			
			<u> </u>			
			1			
			1			
		A				
			Community of the Commun			
			When America			





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Project #: <u>347</u>	Date: 26-Jul-11 Biolog	gists: 5. Captain
Project Name: Tetratech	State: OH	County: <u>Seneca</u>
USGS Quad:	<b>GPS</b> Unit #: <u>A5</u>	Waypoint:
Bat Species: M. Sodalis		
Transmitter Frequency: 172.	218	
Comments: 40 & Emesson Co	eckbridge near 19	
V - 50	0 /	
	-	

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
503	41013'15.1	32° 55' 04.4	218	0225	292	
Table Sand				2238	al legerate (n. 100 to 100	
				2235	262	
				2240	338	
				2245	310	***************************************
				2250	Employeement of the second of	
				2255	# Or spire and a standard	
				2300	319	
				2305	214	
				23170	<i>\$65</i>	
				23/5	261	
				2320	266	
				2325	9/	<u> </u>
			***	0330	299	
				72:55	299	
				2346	361	
				2345	212	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
				2350	Manager 1997	
				2355	***************************************	
				7000		
				0005	291	
				0010	279	
				0015	No. 11 hours and recommended with the last of the last	
				2030	277	-Calvel
				0025	309	
				0030	300	
				0535	271	
				0040	230	
				0045	273	



Project #: 340.02 Date: 26 July 2011 Biologists: S Reeves
Project Name: Tstratech Republic State: ON County: Sancoa
USGS Quad: Fraside GPS Unit #: Flostly Waypoint: 32-79

Bat Species: Mychis Scolatic

Transmitter Frequency: 772, 218 Comments:

Station #	Latitude	Longitude 📳	Frequency	Time	Azimuth	Comments
32-79	46121 43,50	82° 50 142"	172.2181	72.60	D 70	
SPECIAL COLUMN TO STATE OF SPECIAL SPE		1 1	1 100 000	2200	1	-
				1600	-	1 10010 4 0 11860 ( OCC )
<	1118111	ŀ		0177		- Moving to New Logie
June of im	71 14	1, 28 14	172,218	2215	0	
Union (in	_	82°58'14.	172,2191	2220	08/7	
Thie Man	410 12	82°58114	172,2181	2225	930	A CONTRACTOR OF THE PARTY OF TH
UnionGar		1H 185 08	172.218	2230	081	4 happy parameters of the Annual Community
Thion Pro	410151	61,85,78	172,2181	2226	and the contract of the contra	NIN Canal
Union Con	7 0 17	82058	172,2181	224D	0	1 1
Umin Cm	- -	820 581	172,2181	2245	290	
Union	41012	.85 .78	172, 2181	2750		N Clons
		820 281	172,2181	2255	# 100 POST OF THE PROPERTY OF	
Unionlin		82,28	177,2181	2300	Applicate State or memory of the	
Mrin Con	41, 12	82°58'	172,2161	230 5	MANAGEMENT WITHOUT AND A 1995.	
Anima (Chr	2	185028	172.2191	2310	And the second second second second	NA Clark
United Person	-3"	1.25 . 28	172,2181	2315	Management	
HIMPHORM.	(1921	S. 58.	172,2181	2320	Annual photography of the same	1 ~
Umanap	121	35 028	172.2181	2325	Complete Section 1	1
Total Company of Section (Co.			V-Branchip representation of the residence	2330	Management and the second	
and furnishment of the second of				2335	Contract columns against against all a	Many tod bron beet
Williamscondistration	A CONTRACTOR CONTRACTO		William Commission of the Comm	2.84/0	No. outpost of Philips on the	
All manufacture of particular and the second			VP united all anapopulations	2346	A COLUMN TO SERVICE AND ADDRESS OF THE PARTY	Marco 246 to 1860 Locals
And the second second	entable of operations and the state of the s			2350	The section of the se	24
Processor and Print			Appearance or the property and the	2365	Management	MANTH O 40 32-79
The second second second	the second control of		emboundard them by pain care over a reco.	0000	The professional and confidence and	
			di reproduptado misso adolida el 1944.	2000	Salahan and annual property and annual property of the contract of the contrac	
-	en e	ty pulse i le ma principal de production de la management de 2000 de participat de construction de la constr	approved for the contract of the problem of the contract of th	918	The State of the S	7
To the second second		an de servicio de la desenvación commune de munición (app. principio de la desenvación de la constante de la desenvación del desenvación de la desenvación d	Farm Calabour Spanish Section 1970	200	Control March Control March Control	10
	Contraction of the Contract of	The state of the s		-		- 1

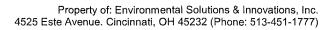


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#### FIXED TELEMETRY DATA (continued)

Project #: 340.2 Date: 24 July 2011 State: 044 County: Sancta Initials: 5R

Station #	Latitude 📈	Longitude <sub>W</sub>	Frequency	Time (0000h)	Azimuth	Comments
32-7A	41112143,5"	82356 142.11	172.2181	0025	52 °	yan eren erendesia da i dajamena (inga yang gang gang gang gang gang gang g
37 - 79	41012143.5"	970 51/1 14 211	172.2181	0030	930	
27-7A	49121 43,5"	820 56 14.2"	172, 2181	0035	970	*Top and recognitive in administration of the second of th
37-79	41012143.5"	82° 56' 14.2"	172.2181	004h	550	Act 1997 to the State of the St
27 - 79	4/9/12/43.51	821 541 14.21	1772,2181	0045	toon	
37-79	4/012143,5"	820 56 1412"	177, 2181	0050	400	and the state of t
32 - 79	410 121 43.5"	82° =10'14.2"	172.2161	0055	520	grander to the control of the contro
37 - 79	4 12' 43.53	82° 36' 14.2"	172:2181	0100	320	
27-74	4/0/21 43.5	82° 50' 14,2"	172.2181	0105	(237	· · · · · · · · · · · · · · · · · · ·
32 - 79	419/21 45,5	82" 36" 142"	172.2161	0110	145	Marine
32-74	4/1 19 1 42.54	82° SU MIL!	197. Z(8)	0115	0 3	· And the control of
2,2 74	41612' 45.5"	82° 56' 11 2"	100-7481	0120	7/	- ,
32 - 79	419 12 4/35"	821 SW 19 2"	1770.2781	0125		and the second s
37 - 174	40 121 4351	82° 50' H 2"	172.2181	0130	Marine Control	Na Ciny
Ry A	40 47 485	42° 56' 14 2"	192.7181	0135	11/	
37 - 79	40 12 13.5	820 40 14.2"	177.8121	0140	Ž 0	
77-74	41" 12' 43,5'	822 56 14.2	100.013	0145	319	A CONTRACTOR OF THE CONTRACTOR
42 - 79	410 171 42.N	82° 510' 14.2"	1117.0181	0150	2950	
27 . 79	4/3/21 43.51	82° 56' 17 7"	1 7/1. 4/31	0155	5.650	
22 79	418 101 (15,5"	82° 57/142"	172.216	0200	2703	
37 74	4/3/2/ 1/25/1	82° 61, 112"	1 - 21, 2181	NŽN5_	276	Approximate the second
37. 4	41 77 63,57		13.1.172	0410	2823	when the transfer of the same
32 - 14	4-17-43,51	221 NO 121	173 3 7	1215	320	
137 - M	4/2/4/25	27 1 50 1 50 1	1777 J. 181	7/20	3140	The state of the s
32 79	41971435	72° 56' 14,2"	1172.2181	02.55		No some
	410 121 43,511	870 5/114.2"	1-77-2181	0230	3420	The second secon
	4/12/4357	32° 56'142"	175,3181	0237	330°	and the second s
	41012143.5"	72°56114,2"	172,2151	024(:		Continue litters (KIKE
	419 191 43,5"	5205114,211	172,2181	024/5	333 0	
	4/10/2/4/3.5"	820 cy, 1 14,21	172,2181	<u> </u>	343	
	4/012/43,5	82 56 14,2"	172,2181	02:11	340°	
	4/10/21 43.5 1	82°56' 14.2' 82°56' 14.2'	172.281	0300		No sinal
	1	Are Assert Asser				





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Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
		į.	172218	2205	243°	
					243° 199° 224° 225° 211°	
				2216	2240	
			V	1220	225°	
				2225	2110	
				2238	250° 220° 235° 235° 235° 180° 122°	
				2235	2-2-5	
				2249 2249 2258 2258 2300 2305	735	
				2249	2350	
				2250	235°	
				2255	1800	
				2360	122	
				2305	bosonia	
				2510	entrate and entrate and entrated of entrate of entrate of en-	
				2315 2320 2325	Метет разручна приностаря	
				2320	AND THE OWNER OF THE PROPERTY	
				2325	çq°	
				2330	1310	
				2335	** Control of the Con	
				2340 2345	170°	40.00
				2345	153°	
				2350	141 °	****
				2365	1470	700.84
				0000	211	
				0405	200	114
				ماهد	2 42	
				0915		
				6020	140"	
				0025	758°	



Page	of

## FIXED TELEMETRY DATA (continued)

Proiect #:	Date:	State:	County:	Initials:
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Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
77				0030	140'	
				a - 775		
				3000		
				1.2.5	Photographic and a second second	
				Specifical Control		
				4 57 57 5	*** · · · · · · · · · · · · · · · · · ·	
				01.0	1600	
				20 4 4 6 7	170"	
				11 3	180	
				0115	1800	
				0120	24,0	
					170	The second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a section in the second section in the section is a section in the section section in the section is a section section in the section section in the section is a section section in the section section in the section section is a section section in the section section in the section s
				7 (SV)	1 200	A STATE OF THE PARTY OF THE PAR
	4			Q \ 3.7	Comment of the commen	
					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The second secon
				0190	-	
				0 HD	2000	yearning against committee of the specific participation of the specific participation and th
						The state of the s
				0155		
				0:1:00		
				72-2	)	
				6,216		
				014		
				0225	1296"	
			me	0230		
				223 5	1 206	
				402.4		
					2.3	



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Project #: 340	Date: 27	Tol Biol	ogists: <u>J Basique M. Farme</u> County: <u>Seneca</u>
Project Name: A A Rock		State: OH	County: Kilca
USGS Quad:		GPS Unit #:_A	/ Waypoint:
Bat Species: M. Sodatis	-	•	
Transmitter Frequency:	218	·	
Comments: 76 4 174 in (	Garage di	ivenay	

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
			172.2180	2250	161° 156° 720°	
			1.	2255	156	
				2300	220	
			V	2365	2-70°	
				2310	The second se	
					VG L	
				2320	160	
				2325	2110	
				2330	2106	
				2 3 36	2100	
				2340	And the second s	
				2340 2345 2356 2355	210° 210° 190° 160° 413°	oricited with the others to see if she was maring of all. They seed the was
				2356	210°	et all Trey and six was
			954	2355	190°	
				D000	1600	
				0005	110	
				0010	190°	
				0015	160°	
				0020	190° 208° 200°	
				0025	208	
				0636	2000	
				6035	160°	
				0.40	1970	
				0045	Name and Address of the State o	
		,		0150	176	
				0055	1680	
	10000			0100	176 168° 170°	
				2105	215°	
				0110		



## FIXED TELEMETRY DATA (continued)

Project #:	Date:	State:	County:	Initials:
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Station	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
#				6115	1.00°	
				0120	(90° 243° 237°	
				0125	243°	
				0170	2370	
				0135	- which was a second of the second	
				0140	STEV TO THE SECOND CONTRACT OF THE SECOND CON	
				0145	226 240° 230°	Very faint
				6159	240	
				0 260	220	
				© 265	) (bo	
				0216	1645	
		-		57.15		
				032C	1627	
				6225	16.50	
				0230	165	2
				1/4/20	The care	
					+	
	,					
			*26			



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Page	<u> </u>	0

•		
Project #: Date:_ <i>Q</i>	7 July 11 Biologis	ts: E. Rasizer, A. Kleinhen Z
Project Name: Republic Wind		County: Senera
USGS Quad:	GPS Unit #: Erin	Waypoint: _ /\/ A
Bat Species: M. Sodalis		
Transmitter Frequency: 172, 219		
Comments:	,	

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
<del></del>	41-12'44.2"	82656, 28.8	172,219	2225	22	Good Signal street
	1			2230	10	L.
. ,	CONTRACTOR OF THE PARTY OF THE	Milletinessan		2235	341	
2	41 12' 44.0	8 2 56 29.5		2240		
				22 45	25	
	7			2250	29	
				aa55	14-	
				2300	2	
				2305	18	missed due to visitor
				2310		Missed due to visitor
in the second	and the companion of the control of			2315	359	
)				2320	40	
1			\	2325	354	
			**	2330	1-1-1-	
!				a335		
				2340	11	
				2345	2	
				2350	18	
				2355	16	
				12400	18	
				2405	28	
				9410	38	
				2416	30	
				2420	32	
:				J4 J5	46	A STATE OF THE PROPERTY OF THE SAME OF THE
				2430	50	and the second s
1 <del></del>	A 10 (A1) PROTEINS		\ \	2435	55	
1				2440	23	
	<u> </u>	W	- Secret	2445	55	

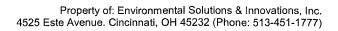


Page $\overline{\mathcal{A}}$  of  $\overline{\mathcal{A}}$ 

#### FIXED TELEMETRY DATA (continued)

Project #: Rapable Wind Date: 27 J. L. DW State: OH County: Seneca Initials: ECB

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
- 2	4-1° 12 44.0	42'5629.5	172.219	2450	2.7	
				2455	10	
				0000	46	Λ
			·	17005	19	
				0010	10	
				00 15	2-6	
				0020	22	
				0025	355	
				0000	6	
				0035	6	
				0040	#19###################################	ost stanal
				0045	25	
				W50 -		lost signal lost ball at azimo
				0055	274	
				0100	254	
				0106	là	
				0110	Market and the second s	signal was all ye leaving bot
	1			0115	34	•
			nAC1	0120	[40]	
	¥		99)	0195	15	
-	<u> </u>	<u> </u>	<u> </u>	0130	46.	
				,		
			,			
:			94			
				1		
			,			
	,					
	*				<del> </del>	
}		,				
ļ		,			<del>                                     </del>	
<del> </del>						
		, , , , , , , , , , , , , , , , , , , ,			+	
					<del> </del>	
· · · · · · · · · · · · · · · · · · ·					+	





Project #: 396.6) Date: ∂	73411 Biol	ogists: 4 Flynn
Project Name: Republic	State:_0H	County: Sensca
USGS Quad:	GPS Unit #:	Waypoint: MMF
Bat Species: Myotis Sodalis		
Transmitter Frequency: 72.218		
Comments:		

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
MMF.			172.217	22:30	58°	-
				22:35	560	
				20,46	510	
				22:50	56 <sup>5</sup>	
				aa:55	56	
				23:60	460	
				23:126	450	
				a3125	80°	
				23:30	800	
				28:35	66°	
				23/90	56°	
MMF2	41813 17.7"	82°55'04.4"		0045	260°	
				0650	2600	
				0055	270	
				0100	2650	
				0155	268° 268° 269° 260°	****
				0115	2680	
				0115	8845	
	,			0120	2600	THE CONTRACT
				6185	300	
			, a	0130	072°	
				0139	272	
		***************************************		02:05	272 260°	
				02:19	2900	
				05.30	2520	
				02:30	180°	
war						



Page_	of	62
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Project #: <u>'340</u>	Date: 27-5u -   Biolog	gists: 5, Captain
Project Name: Tetratech	State: <i>OH</i>	County: Seneca
USGS Quad:	GPS Unit #: <u>A7</u>	Waypoint:
Bat Species: M. Sodalis		
Transmitter Frequency: 172	218	
Comments: 74 near Emerge	m Creek bridge (364)	
SC5: 74+179	<u> </u>	

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
5C4	41"14'62.8	ta° 57'23	218	2300	99	
,				2305	400000000000000000000000000000000000000	
				2310	Market for the control of the contro	-
***************************************				2315	A CONTRACTOR OF THE PARTY OF TH	
		, , , , , , , , , , , , , , , , , , , ,		2320	Special section with the section of	
				2325 2340		
<u>5C 5</u>	41013/36.0	42057/215.3	213	2340	139	
				2345		
1000				2350	100	[ain]
r. and and				2355	116	
· · · · · · · · · · · · · · · · · · ·				2000	162	
				0005	105	
				0010	132	
			Mar	0015	123	· · · · · · · · · · · · · · · · · · ·
				0020	129	
				00,25	126	A Paris Control of the Control of th
				0030	en	
	1			00035	Promise and the control on page 15.	
				501/0	126	,
				0045	121	
			· · · · · · · · · · · · · · · · · · ·	0050	116	
				0055	130	
			<u></u>	0100	119	
				0105	117	A STATE OF THE STA
				0110	*Annual Section 1	
*******				0115		
				0120	40-00-00 and an analysis of the	
				0/25	And your security and	
				0130	War and the state of the same	



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#### FIXED TELEMETRY DATA (continued)

Project #: <u>547</u> Date: <u>57-566-1/</u> State: <u>6//</u> County: <u>520868</u>	Initials: <u></u>
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Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
				0135	,,	
				0140	and the real	
				<u> </u>		
MMFL	410 12 451	42° 57'53.1	216	0200	117	
<del>                                     </del>		, and the second	,	2255		
				0210	Appen produced and	
				0215	Contraction of the Contraction o	
				0220	and the contract of the contra	
				<i>0225</i> <i>8230</i>	#10-10-HONGENDAMING	
				8230	4,	
		- All				
		A STATE OF THE STA				
			***			
						<u>.</u>
		1				
		www.				



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Project #: 340.01 Date: 6	R&Jul 11 Biol	ogists: M. Flynn
Project Name: Republic	State: OH	County: Seneca
USGS Quad:	GPS Unit #:	Waypoint:
Bat Species: Myphs sodalis	_	
Transmitter Frequency: 172.218		
Comments:	1	
·		

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
			172.218	823D	20°	
				2235	30° 36°	
				2240	250	
				a245	3489	
			WD(415) - 1 34111	<b>8</b> 2.50	3460	
				22155	00	
				2300	3549	
				2365	R550	
	-			28:b	825°	
				2320	180	
				2325	269	
				2336	26°	
				7335	320	
			*Appr	2340	80	
				2345	300	
		;		2355	100	
				7855	60	
				6500	200	
				00.05	120	
				0010	190	
				0015	20'	
				0025	3543	
				0630	354°	
				5036	25%	
				6040	00	
				0045	120	
				0050	100	
				0055	Q°	
				0100	3480	



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## FIXED TELEMETRY DATA (continued)

Project #:	Date:	State:	County:	Initials:

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
				0100	3489	
				<b>31 0</b>	212° 212° 212° 212° 212°	
				6115	<i>3</i> 7888	
				0170	968°	
				<i>5</i> 12.6	2000	
				0130	2120	
				0135	ado	
				0140	252° 23°	
		·		0145	2J.0	
				6150	220	
				0166	220	
		•		6959	260	
				0969	44,22	
				64.10		
				0215	18%	
				0990	35%	- And the state of
				62.75	<i>5.00</i>	
				59.56	150	
			33.0			
			-			· · · · · · · · · · · · · · · · · · ·
						WHILE IN THE STATE OF THE STATE
	-					, constant and the
	vela					
	W	7.				
	7,000					
				-		
		1	L	1		

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Project #: 340

Comments: 174 4 74

Project Name: Tetratech

USGS Quad:

Bat Species: M. 5cda 113

Transmitter Frequency: 172,214

		5. Captain	
State:	<u> </u>	ounty: <u>Scale</u>	<u>K</u>
GDS Unit	#· 47	_ Waypoint	r Kris

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
5C G	1/12/13/36.9	12°57'22.7	213	2245	159	
			- William - Will	2250	151	
	and the second s			ww.55	162	Fair
				J300	165	
V-01	A STATE OF THE STA			2306	150	
				2310	164	
				2315	133	The second section of the second seco
				2320	129	
THE RESIDENCE OF THE				2427	133	
				70	p	
across between services of body				7.5		
				2340	101	
Frank or comment of page of				194	t comment	and the second s
				2350	124	
				2355	secondary.	
777000				0000	Market in the second control of the second c	
				<u>0000</u>	131 L	
				6010	140	
				0015	126	
				9820	122	
				0025	137	
-4				0030	131	
				<u> 16035</u>	131	
				MALIA	13)	faint
				0045	139	
					125	
				0055	128	
				2100	132	
				0105	and a second and a second	



Page \_\_\_ of \_\_\_

## FIXED TELEMETRY DATA (continued)

Project #: <u> 3년</u>	Date: <u>24-Date</u> (	State: <u>5 /-/</u>	County: <u>JOHEA</u>	Initials:
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Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
SC 5			24	0110	158	
				Joils	160	
				15126		
··				0129		
				01:50		
	g a volume 1 1					
	413 11.6	92 57 23.9	211	0145	120	
				0150	MANUAL CONTRACTOR	
****				0/55	1223	
				1000	105	WWW.
				0205	99	
				0010	100	
				0215	109	
				0220	10a	
	Monada de la compansa			0225	horaconnus.	
				C2937	125	
* · · · · · · · · · · · · · · · · · · ·	7.77					
	- 1 1 T A.			-		
	The second secon					
		The state of the s				
				-		
		V 77 MANUAL	***			
A						
			w			- Annual
		197.93				
				-		
				<del> </del>		
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			,			
						The state of the s



FIXED TELEMETRY DATA Date: 29 Jul 11

ologists:	( les
Coun St <u>17621</u> 0	Waypoint:

Page\_\_of\_\_

Project Name: <u>Le public</u> USGS Quad: Bat Species: <u>M. Sudalis</u>			GPS Unit #: County: Waypoint:					
ransmi	tter Frequency:	218				A Company of the Comp		
Comme	nts:							
					and the second s			
					and the second s			
	:							
Station	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments		
#	110 - 111 - 27	820 36 26.63	719	2300	1000			
	- 41 12 14,7 I	0 - 30 . 24.8	1 6 6	1.500	720			
			1 3 14	12500	1 ( 6			

Station	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
#	(10/10/19.7))	82° 56'56.6"	718	2300	1000	
			218	7305	72 0	
	and the second	the same and the s	719	7310	7 4 9	The state of the s
	A STATE OF THE PERSON OF THE P		718	7315	540	
			718	7330	190	
		Z .	718	7325	Ú10	
			718	7330	357	
	- A Secretaria de la Constitución de la constitución de consti	4.01 11.00	2 18	2335	77.70	
			218	2340	230	/ Annual Control of the Control of t
	and the second s		318	7345	770	
		And the second s	3/8	7.356	390	
	and the second s		718	2355	410	
}			218	0000	390	
			218	0 Quas	* 369	
			718	0010	210	The second secon
	And the same of th		718	20015	170	
	and the second s		218	0020		
			218 .	0025	180	
			7/8	0036	1130	
			218	0035	230	The second secon
	2		7/9,	0049	1190	
			718	0045	800	
			7(2	0050	358°	
1	· Marie Company of the Company of th		218	<b>0</b> 055	1380	
	The second secon	1/2	518	0100	139,	
			218	DIOS	810	
1			218	0100	1200	(3)
			518	0115	and the same	no Sianal
	and the state of t	and the second s	218	10120	\$20 mayoung markets	No signal



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## FIXED TELEMETRY DATA (continued)

Project #: Date:	State:	County:	Initials:
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Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
			218	0125	123 c	
	***************************************		218	01:30	4cqua-	No signal
			218	0135	- Account of the last of the l	ns
			7.8	0140	,300	nc
			2.18	0145	580	
			2.8	0150	1/2/0	
			718	0155	24°	
			718	0200	1090	
			7.18	07.05	100	
	44.44.4		718	0/50	520	
	i		716	6719	1119	
			218	0550	1080	
			718	0225	1170	
			7/8	75730	(090	
			1965			
	***************************************					
	BANK MANAGEMENT OF THE PROPERTY OF THE PROPERT					
	AND A COLUMN TO SERVICE AND A					
				The second secon		



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Project #: 710	Date:	<u> 28 Jul 2011</u> Bi	ologists:
Project Name: Tetrater USGS Quad:		State: OH GPS Unit #:	
Bat Species: M. Sodalis  Transmitter Frequency: 172	1218		
Comments:			

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
T .			7.817	2240	240°	
				2245	210	
				Z-340	210	2250 LAW
				1505	210	2255 LMW
\\				7510		2300 LMU
				275	225°	2305 LMU
				2335	130	2310 LMW
				2315	210	
				2320 2325	245° 218°	
				2325	218°	
				2330	1900	
				2335	2100	
				2340	220°	
				2345	215°	
			*	2350	2150	
	11 11 11 11 11 11 11 11 11 11 11 11 11			23,549	2,000	
				2425	218° 226°	
				2005	226	
				00/0	C. C.	
				1015	2-13	
				0020		
				0075		
				0030	210°	
				0035	210°	
				2040	210°	
				6045		
				0050		
				J054	,	
				5100	2090	



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### FIXED TELEMETRY DATA (continued)

Proiect #:	Date:	State:	County:	Initials:

Station	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
#				0 105	218	
				0 10	7000	
				0115	200°	Very Very Faint
				0120	man desperations and a second	could not locate
				0125	Control of the Contro	
				0130	" gettin messen medaggid	
				0135	And the second of the second o	
				0140		
				0145	2000	
				0   50	180	
				0155	1800	
				0200	1610	
				0200	180° 180° 161° 161° 168° 214°	
		<u></u>		1,210	1000	
				0210	7 100	
				020	1000	
				0 225	200° 206° 206°	
		salang paramatan panggan panggan salah		6230	1200	
				04.00	200	
				_		
					<del></del>	
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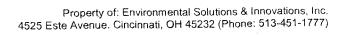
### FIXED TELEMETRY DATA

LIVED	I PPRIAIP		
Project #: Date Project Name: Lypy by C  JSGS Quad:  Bat Species: Solatis	A VI	ists:	
Transmitter Frequency: 172, 21 Comments:	<u> </u>		

tation	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
#		82°56′29,85″	172 8:8	(W)/C	250	
13	41012,43,16"	0200	C 1	781 5	340	
				1000		
				24.5%	3131	
				271.0		
					1000	
					5 (6) (5)	
				50100	3552	
				<u> </u>		
				72		
					5 10 10 1	
					177.70	
			****	4 2 20		
				<u> </u>		
				05:		
				5011		
				. <i>oo</i> .ac		
				202		
				70019		
				22:11	75.63 CD	
				(M):5	6 20	
				01:0	00 472	
				014	6 280	
				01115	5 23.2	
		for the second s		0.18		
				01:3	5 7/12	
				75 6	a 1 2	
-				51:3	9	

50° 01.10 OFF ) ·=0. 200 25° )0110 200 W 15 00 10 0 190

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#### FIXED TELEMETRY DATA

Project Name: Tetratech	Date: <u> </u>	₹
USGS Quad:	GPS Unit #:	Waypoint:
Bat Species: M. BodalīS		
Transmitter Frequency: 7	2.219	
Transmitter Frequency: 173 Comments: 14 at white		

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
LG.				2245		
:- An in special and a fall and a second				2250		
		The state of the s		2255	and the same of th	No constitution of the contract of the contrac
				2300	And the second s	
507	41°12'51.0	12° 55'343	214	2330	320	Management of the control of the con
			, .	2335	314	
				2340	30%	
				2345	307	The state of the s
				2350	318	reserving a compression of the first street and approximately the second state of the second
				2355	320	
				0000		
				0005		
				2010	Notice and the second s	
			No.	0015	301	
				0020	314	Andrew Communication Communica
				0025	Management and a second	
				0030	49	
- and below				5635	18	
				70040.		
				0:45	.50	
		A STATE OF THE STA		0050	12	
ALL PARKS A PARKS AND A PARKS	######################################			0055	72	
. Martine of all to be dead on the company				0100	35%	
				6106	344	Additional and the Control of the Co
				0110	334	and a filtration of the control of t
				10113	335	Transportation of the second o
				0120	332	The state of the s
				10/25	324	
· <u></u>				0130	352	And the second s



Page 2 of 2

#### FIXED TELEMETRY DATA (continued)

Project #: 340 Date: 29 5 al- || State: OH County: 50 al- || Initials: 50

Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
5C7				0135	16	
				0140	26	
				0145	à	
				0150	2	
				0155	20	
				0200	41	
				0205	28	
				0210	360	
				6215	13	
				0220	<i>33</i> 2	
				0225	314	
				0230	302	
				0235	300	-taint
				0240	.304	
				0245	304	
				-		
			**			
	The same of the sa					
						The second secon
						A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1



Project #: 340,1

USGS Quad:\_\_\_\_

Project Name: Tetratich

Bat Species: Mydis Sodalis

#### **FIXED TELEMETRY DATA**

Date:	9 dul Biolo	ogists: No Fachhec
\	State: <i>OH</i>	County: Scheca
	GPS Unit #: <i>A</i> _	S Waypoint: 20
10/15		(on 6P5#465670)

Page\_\_of\_\_

		172-218				
omment	ts:					
	The state of the s					
						and the second s
· water at a property of the second						
Station	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
#				2255	180	
MAZ				2300	780	
	La company and the statement of the stat			23.05	180	geren mit blicht vieren gerennen biskeld der eine von seine men men eine bestellt in der der eine der der der d
				12310	1790	
				2315	150	
	AND THE STATE OF T			2320	220	
				23,25	242	
				2330	242	
				2335	.578	
				2340	230	
				2345	238	
				2350	205	
				2355	200	
			-	0000	220	7.10 pm
				6005	225	
				6010	2-30	
				0015		
				60 20	#Open (Anna), and terraining program of the section	
	The second secon			00 75	90°	
		-		00 30	April 100 mary 100 ma	
	· · · · · · · · · · · · · · · · · · ·	The state of the s		60 36	100	
				0040	125	
				60 45	110	
				140 50	1709	



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rauc	٠,

#### FIXED TELEMETRY DATA (continued)

Project #: D	Date:	State:	County:	Initials:
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Station #	Latitude	Longitude	Frequency	Time (0000h)	Azimuth	Comments
				0125	130	
				6130		
				0135	Lamana	
				0/40	115	
				0/45	98	
				0/60	100	
	The state of the s			0/55	160	
	The second secon			02-00	130	
				62 65	110	
				02/0	110	
				0215	134	
				2220	147	
				02.29	220	
	and the second s			0230	* Remarks	
				5235	One of the state o	
				0240	Constitution	
				0245	Company of the Control of the Contro	
				0250		
		The Road Add Towns of the Control of				
	and the second s		200			
						e e e e e e e e e e e e e e e e e e e
1						
						- 1

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ologists: Afmouski, Kleinhen
te Name/#:
amera#: Can 671 (Jack
<u> </u>
Capture Time: 0140
Condition Wt RFA (g) (mm)
cy number: 172, 122 (Best@ 178
lor number: NA
<u>80</u> minutes



Project #: 340	<u>)                                    </u>	20 July 2011	Biologists:	<u> 12 a Si c</u>	<u> </u>
Project Name:_	Republic		Site Name/#:		
State: <u>OH</u>	County: <u>Screece</u>	<u> </u>	Camera #: <u><i>Co</i></u>	n 671	
Picture #:	879 - 881	1,00	upt. #016_		
	ophiscus fusc		Capture Time		
Age	Sex	•	ive Condition	Wt (g)	RFA (mm)
Ad or Jv	M or F	F=(NR/PG	/L/PL; M=↑/↓	13.5	45
FINAL CHECK:  1) Transmitter  2) Signal rece  3) Band attac  4) Condition of  5) Description		grams Ban	duency number: 17		
RELEASE HIVE	=: <u> </u>	JIAL HULD III	//E	เนเธอ	
RELEASE LOC	ATION:		a standard and a stan		
COMMENTS:					
A Section Control of the Control of					
	Roost Pic 890	-91			



Project #: 340,01	Date: July 30	∠	Jack	Basiger
Project Name: Repu	blic	Site Name/#:	17	
State: Ohio County:	Seneca	Camera #:	canfi	1
Picture #: 965 - 969	7			
Bat Species:	icus	Capture T	ime: 🔀	2,00
Age Se Mon Mon Mon Transmitter weight = 30	grams	PG/L/PL; M=↑/↓ Frequency number:	72,22 <i>50</i>	)
<ul><li>2) Signal receiving (freque</li><li>3) Band attachment (Y/N):</li><li>4) Condition of animal:</li></ul>	Yes.			
RELEASE TIME: 2250	TOTAL HOLD	TIME: <u>50</u>	minutes	
RELEASE LOCATION: _C	apture site			Management of the state of the
COMMENTS:	•			
			,	
		a de la companya de l		

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Project #: <u> </u>	Date: <u>24 Jul-1</u>	Biologists: <u>A→</u> K	niawski
Project Name: Republic		Site Name/#:/	<u>/</u>
State: County:	Scalca	Camera #:	
Picture #:			
Bat Species: E, Fu6 Cu	15	Capture Time	:
Age S Ad or Jv M	Sex Reprod or F F=(NR	luctive Condition /PG/L/PL; M=↑/↓	Wt RFA (g) (mm)
Transmitter weight =35	grams	Frequency number: <u>\[ \frac{1}{2}. \] \]</u>	<del>540</del>
Transmitter + bat total weight	= grams	Band/color number: n/a	
<ul><li>Signal receiving (freq</li><li>Band attachment (Y/f</li></ul>	ent (Y/N): // uency): // N): // e: goad  TOTAL HOLD		
RELEASE LOCATION:	Site 14		
COMMENTS:			
w			



Project #:	<u> </u>	L2 July 2011	Biologists:	,	
Project Name:_	Tetratech 1	2epublic -	Site Name/#:	Site 1	LP
State:	County: Senec	0	Camera #:	1834	
Picture #:	3236 - 37	)?]		w. · · · ·	
Bat Species:	Diesiaus fu	<u>Sus</u>	Capture Tim	e: <u>220</u>	0
Age Ad or Jv	Sex M or F		ve Condition L/PL; M=↑/↓	Wt (g)	RFA (mm)
Ad	State	A Commission of the Commission		19.1	1.45
Transmitter weight :	= <u> </u>	Frequ	ency number:	12.118	
Transmitter + bat to	otal weight =	grams Banda	color number:	U/A	· .
<ul><li>2) Signal rece</li><li>3) Band attach</li><li>4) Condition of</li></ul>	r attachment (Y/N): iving (frequency): nment (Y/N):N of animal:Na/Na of release:No cr	V 12 c 1172			
RELEASE TIME	: <u>2300</u> T	OTAL HOLD TIMI	E:mi	inutes	
RELEASE LOC	ATION: 01 00	pure tocation	) <i>F</i> )		
COMMENTS:	V/A	·			
				r	
				U WWW.	3.
	,				

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Project #: 340 Date: 14,-54-11						
Project Name:	Pepublic		Site Name/#:	4		
State: OH County: Balla			Camera #: Can 67			
Picture #:	Alexander and the second secon		Application in the second seco		****	
Bat Species: <u></u>	Fuscus		_ Capture Tim	ie: <u>215</u> 7	<u> </u>	
			Reproductive Condition V F=(NR/PG/L/PL; M=↑/↓ (9		RFA (mm)	
24	(Fig. 1)	NR.		116,3		
Transmitter weight =			equency number: / 7			
Transmitter + bat tot	al weight = $16,15$	grams Bar	nd/color number: <u>//</u>	<u>'a</u>		
	V		ME: <u>30</u> mi			
RELEASE LOCA	ATION: <u>50 e 21</u>	· ·				
COMMENTS:						
		70.00 · 100	, and the second			



Project #: 34	<u>6.01</u> Date:	15 Jul 2011	Biologists: 🗍	Basige	V + M.F
Project Name:	Republic		Site Name/#: 6	26	
State: 6	County: Se	nica	Camera #:	n 671	/
Picture #:	32 - 835				
Bat Species:_	Eptesicus fu	iscus	_ Capture Tim	ie: <u>2300</u>	
Age Ad or Jv	Sex M or F	F=(NR/PC	tive Condition G/L/PL; M=↑/↓	Wt (g)	RFA (mm)
Ad	F	PL		24.25	47
Transmitter weight	t = <u>6.35</u> grams	Fre	equency number: 173	2740	
			nd/color number:		N/A
<ul><li>3) Band attac</li><li>4) Condition</li><li>5) Description</li></ul>	eiving (frequency):chment (Y/N): of animal:	mal			
		"ONC	ME: <u>^60</u> mi	inutes	
RELEASE LO	CATION: Cap	ture site			
COMMENTS:					
And the second s					
Notes that the second of the s					
	Albert 1140				



Project #: <u>340.01</u>	Date: 24)u///	Biologists:	Basiger
Project Name: Republic		Site Name/#:_ 🧵	<i>SO</i>
State: OH County:		Camera #: <u>Cay</u>	1671
Picture #:			- 02
Bat Species: Eptesica	us fuscus	Capture Tim	ie: <u>Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z</u>
Age S Ad or Jv M o	ex Repro	ductive Condition R/PG/L/PL; M=↑/↓	Wt RFA (g) (mm) 15.75 49
Transmitter weight = 35	grams	Frequency number: 172	2,500
Transmitter + bat total weight :	= 16.10 grams	Band/color number:	
3) Band attachment (Y 4) Condition of animal: (	iency): 172, 4997 No. 1000		
RELEASE TIME: 2230	TOTAL HOL	D TIME: 30m	inutes
RELEASE LOCATION:	Capture site		
COMMENTS:	,		
		and the second continues of the second se	



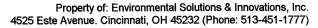
Project #: 39	( <u>0.01</u> Date:	7/30/11 1	Biologists:	Kniows	<u>ki                                     </u>
Project Name:_	Jepubli	<u> </u>	Site Name/#:	La lan	
	County: <u>Sent</u>		Camera #:	1/	
Picture #:	0676 -068	32	1 III - 2412/1920/1970/III -		
Bat Species:	E. fuscus		Capture Tim	ie:_223	5
Age Ad or Jv	Sex M or F			Wt (g)	RFA (mm)
Transmitter weight =	= <i>0,35</i> grams		ency number: / 😕	2.950	
<ul><li>2) Signal recei</li><li>3) Band attach</li><li>4) Condition of</li></ul>	ving (frequency):/				
RELEASE TIME	: <u>23<i>50</i> </u> то	OTAL HOLD TIME	: <u>75</u> _mi	inutes	
RELEASE LOCA	ATION:	1) location			
COMMENTS:	7	The contract of the contract o			
				<del> </del>	



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Page \_

Unit #: 6 9528	Waypoint: <u>/</u> /	
tude: <u>4/ ° // '55.</u>	<u>○</u> "N Longi	tude: <u>82 ° 56 ' 53 '</u> "W
st Name/#:		
o-tagged bat present in tr	ee: Yes No	
	y if a radio-tagged bat is present in th	s & .
species: 6. histus	Sex(M/F): Age(Ad/	/Jv): <u> </u>
ture date: 22 July 1	Capture site:	Frequency: 172, 118
	rure time: <u>੨। ੩ ੪</u> Total Ba	
val time: <u>205</u> 5 Depart	ture time: <u>2138</u> Total Ba	ts:
val time: <u>2055</u> Depart	ture time: <u>2138</u> Total Ba	ts:
Emergence Time	ture time: <u>2138</u> Total Ba	ts:
Emergence Time	ture time: <u>2138</u> Total Ba	ts:
val time: <u>2056</u> Depart  Emergence Time  2000  2000  2000  2000  2000  2000  2000  2000	ture time: <u>2138</u> Total Ba	Emergence Aspect
val time: <u>2055</u> Depart  Emergence Time  2000  2000  2004  2006  2000  2000  2000  2000  2000  2000  2000  2000  2000	ture time: <u>2138</u> Total Ba	ts:
Val time: <u>2055</u> Depart  Emergence Time  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000	ture time: <u>2138</u> Total Ba	Emergence Aspect
val time: <u>2055</u> Depart  Emergence Time  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000	ture time: <u>2138</u> Total Ba	Emergence Aspect    N;S;W;E-A
Emergence Time  2(00) 2(00) 2(00) 2(00) 2(00) 2(00) 2(10) 2(10) 2(10)	ture time: <u>2138</u> Total Ba	Emergence Aspect  W-NW  N;S;W;E-A
val time: <u>2055</u> Depart  Emergence Time  2(pv 2(02) 2104 2100 2112 2112 2114 2116 2118	ture time: <u>2138</u> Total Ba	Emergence Aspect  W-NW  N;S;W;E-MG
Emergence Time  2055 Depart  2000  2002  2004  2006  2	ture time: <u>2138</u> Total Ba	Emergence Aspect  W-NW  N;S;W;E-MG



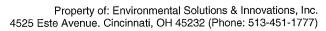


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Project #: 340, 01	Date: / Biolog	
Project Name: <u> </u>	State: 🗀 Co	ounty: <u>Source</u>
GPS Unit #: <u>E - 9524</u>	Waypoint: <i>O</i>	17
Latitude: <mark>4 ° 11 ° 5</mark> 5,	<u>∩</u> "N Longi	tude: <u>﴿                                   </u>
Roost Name/#:		
Radio-tagged bat present in tr	ree: Yes No	not lead
Complete the following information on	ly if a radio-tagged bat is present in	the roost
Bat species: Effective fug	Sex(M/F):Age(Ad	/Jv):_ <i>Ad</i> Repro.:
Capture date: 22 Lul 200	Capture site:	Frequency: \
DISTINGUISH DATS AS STINOUETTES AGAINST The roost to observe all eviting bats, h	out not close enough to influence en	ase ensure that you are close enough to nergence (do not stand directly beneath
he roost and do not make unnecessar		
he roost and do not make unnecessar		
he roost and do not make unnecessar Arrival time: <u>2035</u> Depart	ture time: <u>ALA</u> Total Ba	ts:
he roost and do not make unnecessar  Arrival time: <u>2035</u> Depart	ture time: <u>ALA</u> Total Ba	ts:
he roost and do not make unnecessar  Arrival time: <u>2035</u> Depart	ture time: <u>ALA</u> Total Ba	Emergence Aspect
he roost and do not make unnecessar  Arrival time: <u>2035</u> Depart	ture time: <u>ALA</u> Total Ba	Emergence Aspect
he roost and do not make unnecessar Arrival time: <u>2035</u> Depart	ture time: <u>ALA</u> Total Ba	Emergence Aspect
he roost and do not make unnecessar  Arrival time: 2035 Depart  Emergence Time	ture time: <u>ALA</u> Total Ba	Emergence Aspect
he roost and do not make unnecessar  Arrival time: 2035 Depart  Emergence Time	ture time: <u>ALA</u> Total Ba	Emergence Aspect
he roost and do not make unnecessar  Arrival time: 2035 Depart  Emergence Time	ture time: <u>ALA</u> Total Ba	Emergence Aspect
he roost and do not make unnecessar  Arrival time: 2035 Depart  Emergence Time  2045 2049 2049	ture time: <u>ALA</u> Total Ba	Emergence Aspect
he roost and do not make unnecessar  Arrival time: 2035 Depart  Emergence Time	ture time: <u>ALA</u> Total Ba	Emergence Aspect
Arrival time: <u>2035</u> Depart  Emergence Time	ture time: <u>ALA</u> Total Ba	Emergence Aspect
Arrival time: 2035 Depart  Emergence Time	ture time: <u>ALA</u> Total Ba	Emergence Aspect

Describe emergence: Did bats emerge simultaneously, fly off in the same direction, loiter, circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?

HON FOW South. Tagged bad not Meard





#### **ROOST TREE DATA**

Page		of	
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	1 R
Project #: 340 Date: 34	Jul 11 Biologists: J. Dasigel
Project Name: Readobs	State: 64/ County: Scalea
GPS Unit #: SS 7 Waypoint: N/	<u> </u>
Latitude: <u>41 ° 13 ' 39</u> 2"N	Longitude: <u>42 ° 57 ' 0.4</u> "W
Bat Species: £ Auscus	Sex(M/F): <u> </u>
Capture Date: 30 Jul //	Capture Site: / Z
Frequency: 17/2.005	Roost Name/#: <u>-2-25-1</u>
Roost tree species:  Estimated height from ground to roost:  Exfoliating bark (%):  Tree health:  Observed roost potential:  Bat vocalizations:  Guano on ground/foliage:  Is guano fresh (if present)?:  Guano volume (if present):	m capture site:m or km (circle one)DeadPartial
DESCRIPTION OF SURROUNDING HABIT	<del></del> -
Dominant Canopy Species (> 40 cm/16" dbh	3dbdoffillant Carlopy Species (< 40 cm/ 10 dbh)
Estimated dbh range (cm): Lg: Sm: Estimated canopy closure at roost: %	* ' ' ' ' '
Slope:SteepModerate	_SlightNone Slope aspect:
Subcanopy Clutter:Closed	ModerateOpen
Distance to nearest water source: 300 (	Distance to nearest flight corridor:meters
Habitat Description: Large area of c	i op Tana
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland ForestYoung Lowland Forest Comments: Recently LoggPine PlantatioWoodlot/ForeOld Field	onStream/RiverVernal Pool



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		$\triangle$	<b>EMERG</b>		-
_	,	<i></i>	<b>LN/LD/</b>		л
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•	_	$\mathbf{U}$			

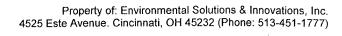
Project #:	Date:	_ Biologists	s: <u>49000 1 3000 1                           </u>
Project Name: Republic	State: C	County	y: <u> </u>
GPS Unit #:	Waypoin	t:	<i>y</i> , , , , , , , , , , , , , , , , , , ,
Latitude: 41 ° /3 ,39	<u></u> "N	Longitude	e: <u>82 • 57 · 00.8</u> "w
Roost Name/#: 225			_
Radio-tagged bat present in	tree: Yes <u>   ⁄     </u> No <u> </u>		
Complete the following information or	nly if a radio-tagged bat is p	present in the roo	ost O
Bat species: Eptericus fu	SCCS Sex(M/F):	Age(Ad/Jv):	Repro.:
Capture date: 30 50 /4	୧୦//Capture site:	12	Frequency:
NOTE: Tallies of bat exits should be distinguish bats as silhouettes against the roost to observe all exiting bats, the roost and do not make unnecessary time:	st the sky as they exit the but not close enough to i ary noise and/or conversati	roost. Please er nfluence emerge ion, and minimize	nsure that you are close enough to ence (do not stand directly beneath e use of lights).
Emergence Time	Number of B		Emergence Aspect
01.5	First energe		
	3(0 Tota)		<u> </u>
	Fighton		
	all tallied		
	Laure misses	150mm	
7135	last but En	Carpa La Cidara (Chira a car	
1,24	Surryday		
<u> </u>		None Cont	
and the state of t	Kalom Wal		
Was	INDOVEDUKT		
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	e emerge simultaneous e did the transmittered	l bat(s) emerg	e? What direction did the



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Project #: <u>SHORS</u>	Date: Date: Diolog	
Project Name: <u>Republik</u>	State: 0// Co	unty: <u>Sepe ca</u>
GPS Unit #: $\frac{\mathcal{E}_{SI}-7}{2}$	State: 0// Cor	NIA
atitude: 💯 💍 ° 🤣 🔥 ' 👍	"N Longit	tude:°"W
Roost Name/#:	42	
Radio-tagged bat present in	tree: Yes No	
Complete the following information or	nly if a radio-tagged bat is present in the	e roost
Bat species:	Sex(M/F): Age(Ad/	Jv): <i>A</i> _/_ Repro.: <u>/</u> /
Capture date: 30 50 (v.26	// Capture site: /2	Frequency:
	rture time: Total Bat	ts:
		war to the same of
Arrival time: <u>2049</u> Depa	rture time: Total Bat	ts:
rrival time: <u>2049</u> Depa	rture time: Total Bat	ts:
Emergence Time	rture time: Total Bat	ts:
rrival time: <u>2049</u> Depa	rture time: Total Bat	ts:
Emergence Time	rture time: Total Bat	ts:
Arrival time: <u>2049</u> Depa	rture time: Total Bat	ts:
Emergence Time	rture time: Total Bat	ts:
Emergence Time	rture time: Total Bat	ts:
Emergence Time	rture time: Total Bat	ts:
Emergence Time	rture time: Total Bat	ts:
Emergence Time	rture time: Total Bat	ts:



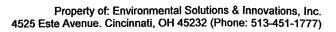


Project Name: Kenduc SPS Unit #: EGI-7	State:	
		inty:
	Waypoint:	MA
atitude: <u>4 ° 13 ' 31.0 "</u> N		ude: <u>****</u> ° <u>***</u> ' <u>****</u> "W
Roost Name/#:		
ladio-tagged bat present in tree:	Yes No	
complete the following information only if a		
Bat species: Eptogicus fuscus	ex(M/F): <u> </u>	lv): <u>/</u> // Repro.:/
Capture date: 30 5 cly 204 C	apture site: 12	Frequency:
ne roost and do not make unnecessary nois	time: <u>A145</u> Total Bats	
i	Number of Bats	i Emergence Aspect
Emergence Time	- Tumbor of Euro	
Emergence Time		NE /W
Emergence Time	<u> </u>	NE /N
Emergence Time	Ž	NE /N
Emergence Time	<u> </u>	NE //V
Emergence Time	13	NE /N
Emergence Time	13 13 24	
Emergence Time		
Emergence Time	13 2 2 3 3 3 3 1 3	
Emergence Time	13 24 34 34 34 34	
Emergence Time		
Emergence Time		

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, agc		O.	

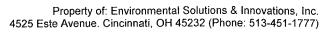
#### ROOST TREE EMERGENCE DATA (continued)

Project #: 240.01 Frequency 222	Project name: Roost #:	<u> </u>
Emergence Time	Number of Bats	Emergence Aspect
2   2	1	,
<i>9</i> 199		
213		
3 3	<u> </u>	
	(	
30		
39	<u> </u>	
	45.0	
		*
	<u> </u>	





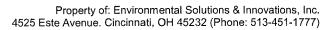
roject Name: <u>( regulo de</u>	State: Co	ounty:
SPS Unit #: 670	Waypoint:	NA
atitude: <u>4/ • 13. • 39.</u>	<u>, / _</u> "N Long	ounty: <u>Seve se</u> N/A itude: <u>82°57, 00,8</u> "W
Roost Name/#: <u>725-</u> /		AND AND THE CONTRACTOR OF THE
ladio-tagged bat present in t	tree: Yes <u>//</u> No	
omplete the following information or	nly if a radio-tagged bat is present in t	he roost
lat species: <u>E, Euscus</u>	Sex(M/F): Age(Ad	//Jv): <i>AU</i> Repro.:_ <i>1</i>
Capture date: 30 Joly201	Capture site: 12	Frequency: 172 225
e roost and do not make unnecessa	ary noise and/or conversation, and mi	
Arrival time: <u>タベクラ</u> Depa		
Emergence Time	rture time: <u>2.130</u> Total Ba	
Emergence Time		
Emergence Time		
Emergence Time		





Page \_\_/\_ of \_\_\_\_

	ROOST TREE E	ř
Project #: 340.91	Date:   A G   Biolog	gists: Laura Tyson
roject Name: <u>Roodala</u>	State: Of Co	ounty:
PS Unit #:	Waypoint:	ounty: New York
atitude: 🖖 。 13 ,39,		itude: <u>३३ ° 5 ′ '       ° 8</u> "W
oost Name/#:		
adio-tagged bat present in t	ree: Yes_V_ No	
emplete the following information on	ly if a radio-tagged bat is present in th	ne roost
at species: Eptlicustus	GG/ Sex(M/F): Age(Ad	/Jv): Repro.:
apture date: 30 July 20	M Capture site:	Frequency: <u>コス・235</u>
roost and do not make unnecessa	ry noise and/or conversation, and mir	nimize use of lights).
	rture time: 21 46 Total Ba	
rival time: <u>2030</u> Depar Emergence Time	rture time: 21 4/6 Total Ba	its:
rival time: <u>えつろつ</u> Depar Emergence Time ストロス	rture time: 21 4/6 Total Ba	its: <u>                                     </u>
rival time: <u>えつうい</u> Depar Emergence Time えもつよ	rture time: 21 4/6 Total Ba	its: <u>                                     </u>
rival time: <u> </u>	Number of Bats	its:
rival time: <u>2030</u> Depar Emergence Time 2102 2104 2106 2105	Number of Bats  / / / / / / / / / / / / / / / / / /	its: <u>                                     </u>
rival time: 2030 Depar  Emergence Time  2102  2104  3106  3110	Number of Bats	its: <u>                                     </u>
rival time: 2030 Depar  Emergence Time  2102 2104 2106 2110	Number of Bats  / / / / / / / / / / / / / / / / / /	its:
Emergence Time  2102 2104 2106 2106 2112	Number of Bats	its:
Emergence Time  2102 2104 2106 2106 2112	Number of Bats	its:
Emergence Time  2102 2104 2106 2106 2112	Number of Bats	its:
Emergence Time  2102 2104 2106 2110 2110 2110	Number of Bats  / / / / / / / / / / / / / / / / / /	its:
Emergence Time	Number of Bats	its:

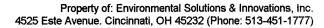




#### **ROOST TREE DATA**

Page	of
-	

Project #: 340 Date: 7/25	Biologists: A faiossi, 1 tavare
Project Name: Republic	State: OH County: Sandusky
GPS Unit #: $7$ Waypoint: $390R14$	
Latitude: 41 ° 16 '19.6"N	Longitude: <u>82 ° 54 ' 17.5"</u> W
Bat Species: E Locus	Sex(M/F): Age(Ad/Jv):\(\subseteq\nu\) Repro.:_\(\subseteq\nu\)
Capture Date: 1/24//	Capture Site:
Frequency: 172.580	Roost Name/#:_580-1
ROOST TREE DATA	
Roost tree species: Barn	dbh: cm
,	(meters) Tree height (meters)
Exfoliating bark (%): Distance from cap	ture site:m or km (circle one)
Tree health:Live	DeadPartial
Observed roost potential:Exfoliating Bark	Cracks/crevassesHollowUnknown
Bat vocalizations:Yes	No
Guano on ground/foliage:Yes	No
Is guano fresh (if present)?:Yes	No
Guano volume (if present):	<u></u>
DESCRIPTION OF SURROUNDING HABITAT	
Dominant Canopy Species (> 40 cm/16" dbh)	Subdominant Canopy Species (< 40 cm/16" dbh)
Not in threat.	und in Hore 24
Estimated dbh range (cm): Lg: Sm:	Estimated dbh range (cm): Lg: Sm:
Estimated canopy closure at roost:%	
Slope:SteepModerateSligh	tNone Slope aspect:
Subcanopy Clutter:ClosedMo	derateOpen
Distance to nearest water source:m or	Distance to nearest flight km (circle one) corridor: meters
Habitat Description: Old barn o	
	and a war and a family
<u>Check all that apply:</u> <u>Mature Upland Forest</u> <u>Recently Logged Forest</u>	prest X Crop/Pasture LandShrub/scrub Swamp
Young Upland ForestPine Plantation	Stream/RiverVernal Pool
Mature Lowland Forest	eEmergent WetlandDeepwater Lake/Pond Forested SwampOther
Comments:	





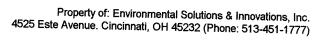
Page \_\_\_ of \_\_\_

#### **ROOST TREE EMERGENCE DATA**

Project #:	Date: / 7 Aug	Biologists:	Cauro Tyson
Project Name: Residual	State:	County:	Simousky
GPS Unit #:	Waypoin	t: <u> </u>	R14
Latitude: 4( • 16, 19,	<u>ሬ_</u> "N	Longitude:	92.54, 17.5 "W
Roost Name/#: 585			
Radio-tagged bat present in t	tree: Yes No	_UNK-Tx	
Complete the following information or	nly if a radio-tagged bat is	present in the roos	st
Bat species: E {vgccg	Sex(M/F):	Age(Ad/Jv):_	PREPRO.: NR
Capture date: 24 えしょ26	// Capture site:	14 F	requency: 2,58
NOTE: Tallies of bat exits should be distinguish bats as silhouettes agains the roost to observe all exiting bats, the roost and do not make unnecessar	st the sky as they exit the but not close enough to in	roost. Please ens ifluence emergend ion, and minimize	ure that you are close enough to se (do not stand directly beneath use of lights).
Arrival time: <u>2028</u> Depar	rture time: <u>2106</u>	Total Bats:	<u> </u>
Arrival time: <u>≥೦೨೮</u> Depar Emergence Time	rture time: <u>Alo</u>		Emergence Aspect
Emergence Time		ats	Emergence Aspect
		ats	
Emergence Time		ats	Emergence Aspect
Emergence Time		ats	Emergence Aspect
Emergence Time		ats V	Emergence Aspect
Emergence Time		ats V	Emergence Aspect
Emergence Time		ats V	Emergence Aspect
Emergence Time		ats V	Emergence Aspect
Emergence Time	Number of Ba	ats V	Emergence Aspect
Emergence Time	Number of Ba	ats V	Emergence Aspect
Emergence Time	Number of Ba	ats V	Emergence Aspect
Emergence Time	Number of Ba	ats V	Emergence Aspect
Emergence Time	Number of Ba	ats V	Emergence Aspect

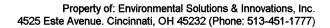
Describe emergence: Did bats emerge simultaneously, fly off in the same direction, loiter, circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?

Lessing - And product of the state of the of the did of the did of





Project #: 340.01	Date: /8 Augill	Biologists:
Project Name: Kanada	State:	County: Sanders Ray
000 H 14 #		340 R 14
Latitude: 4/ ° 16 , /	101	ongitude: <u>82 • 54 ·</u> 17,5 "W
Roost Name/#: 580		
Radio-tagged bat present in	tree: Yes No	INR-TUND WOOM
Complete the following information of	only if a radio-tagged bat is prese	ent in the roost
Bat species: Establicas for	Sex(M/F):Age	e(Ad/Jv): 💯 Repro.: ル
Capture date: 24 July 201	Capture site: 14	Frequency: 1355
the roost to observe all exiting bats, the roost and do not make unnecess	ist the sky as they exit the roost. , but not close enough to influen ary noise and/or conversation, a	
Arrival time: <u>2032</u> Depa	rture time: <u>a/ 2</u> Tota	al Bats: 🖄 💆
Emergence Time	Number of Bats	Emergence Aspect
<b>2</b> 0360	/// (3)	1 energed they and
	Managar Managar Managar	2 back into part
	and the state of t	
	444-1	6 Side of Day
A Company of the Comp	A CONTRACTOR OF THE CONTRACTOR	4 suit above
2048		2 door
	Constant Con	
	C.3	
\$ 2	(3)	
56		
<u> </u>		
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	emerge simultaneously, fly did the transmittered bat(s	y off in the same direction, loiter, s) emerge? What direction did the



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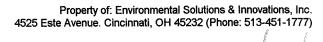


#### ROOST TREE EMERGENCE DATA

Project #: 340,01				
Project Name: <u>Republ</u>	L.S.	State:	County:	Smolusky
GPS Unit #:			340	
Latitude: 41 ° 16 ' 19.			Longitude:	92.54, 17.5"W
Roost Name/#: 580				
Radio-tagged bat present in t	ree: Yes_	No	UNK T	x 1/07 / WWW.
Complete the following information or	-			
Bat species: 5/04/Custus	Sex(M/I	F):_ <i></i>	Age(Ad/Jv):_	<u> ラレ</u> Repro.: <u>ル</u> /
Capture date: 24 5 1 1 26 11				
NOTE: Tallies of bat exits should be distinguish bats as silhouettes agains the roost to observe all exiting bats, the roost and do not make unnecessar	t the sky as the but not close try noise and/o	ney exit the ro enough to inflor or conversation	ost. Please ens uence emergend n, and minimize	sure that you are close enough to ce (do not stand directly beneath use of lights).
Arrival time: 20 11 Depar	ture time: _	<u>2057</u> т	otal Bats: _	<u> </u>
Emergence Time	Nur	mber of Ba	ts	Emergence Aspect
2034	1	· And Andrews	C. Marie	Casastaf
36		Section of the sectio	4	Zohn - Ca
<u> </u>		Anna Carlo		<u> </u>
40		American Company		:
42			5	
44			<u>J.</u>	
46				
48				
50		<u></u>		
22		- Carrie		,
<u> 54                                   </u>				
Describe emergence: Did bats circle, disperse, etc. What time	emerge sime did the trai	nultaneously nsmittered b	v, fly off in the pat(s) emerge	same direction, loiter, ? What direction did the

transmittered bat fly?

of dimerien,





Project #: 340 0			
Project Name: <u>Republic</u>	State:	<u> </u>	nty: Sondusky
GPS Unit #:	Waypoir	nt: 34	OR14
Latitude: <u>41 ° 16 ° 19</u> .	<u>6</u> "N	Longitue	de: <u>82 • 54 ' 1755 "</u> W
Roost Name/#: <u>585 -</u>			
Radio-tagged bat present in	tree: Yes No_	UNK-	Tx volleurd
Complete the following information o	nly if a radio-tagged bat is	present in the	roost
Bat species: 4/04/04/64	Sex(M/F):	Age(Ad/Jv	/): 50 Repro.: 101
Capture date: <u> </u>	Capture site:	14	Frequency:
the roost to observe all exiting bats, the roost and do not make unnecessary  Arrival time: 2014 Depar	but not close enough to ary noise and/or conversa	influence emention, and minim	2.7
Emergence Time	Number of E	Bats	Emergence Aspect
2022	A de la companya de l	1	
		NR.	
<u> </u>	and the second		
	Water and the second se		
<u> </u>			
4.5	Canada		
GA.	(3)		
	303		
50			
and the second of the second o	1 ()	1	

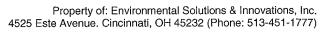
Describe emergence: Did bats emerge simultaneously, fly off in the same direction, loiter, circle, disperse, etc. What time did the transmittered bat(s) emerge? What direction did the transmittered bat fly?



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Page	/	of	Contract of the Contract of th

Project #: 34 0 0	Date: 16/400	Biologists:	UNTO TYSON
Project Name: Republi	State: OH	County:	mdusky
GPS Unit #:	Waypoint:	340/1	<u> </u>
Latitude: 41 ° 16 ' 19.6		.ongitude: <u> </u>	<u>• 54 ° 17.5</u> "W
Roost Name/#: 580-			
Radio-tagged bat present in t	ree: Yes No	mk-Txist	Reard
Complete the following information on	nly if a radio-tagged bat is pres	ent in the roost	A
Bat species: <u>Efigo</u>	Sex(M/F): A	e(Ad/Jv): <u>ブレ</u>	Repro.:
Capture date: 24 Sty 101	Capture site: 14	Freque	ency: <u>172.580</u>
NOTE: Tallies of bat exits should be distinguish bats as silhouettes against the roost to observe all exiting bats, the roost and do not make unnecessa	t the sky as they exit the roos but not close enough to influe ry noise and/or conversation,	. Please ensure that nce emergence (do and minimize use of	at you are close enough to not stand directly beneath lights).
Arrival time: <u>∂⊘</u> Depar	ture time: ACCO To	al Bats: 🔗 🔣	_
Emergence Time	Number of Bats	Em	ergence Aspect
A035	· / ;		of the book
	444	(i)	
À 2 2 4		Go Wost	200000000000000000000000000000000000000
90.532		65 W.W.	of placing
<u> </u>		Ji bylov	e Chaira
2038	State Control of the		
- 35 S T	\ \frac{1}{2}		
And II			
30 1 / 6/	(man)		
<u>3074</u>			
2 July 4 8			
		<u> </u>	
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	emerge simultaneously, did the transmittered ba	ly off in the same (s) emerge? Wh	e direction, loiter, lat direction did the

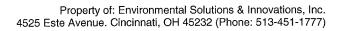




#### **ROOST TREE DATA**

Page \_\_\_ of \_\_\_

Project #: 340.02 Date: 19 July	<u>/ 201/</u> Biologists	s: E. Basiger ; M. F	lynn ; A. Gantt
Project Name: Republic - Wind		County: Sense	12
GPS Unit #: Waypoint:	party com-	Picture #: Rele-	-968
Latitude: 41° 69'53."N	Longitude: <u>조</u> 소°	<i>56'174"</i> W	
Bat Species: Extresions Sansons	Sex(M/F):	Age(Ad/Jv): <u> </u>	Repro.: NR
Capture Date: 18 July 2011	Capture Site:		
Frequency: 172,780	Roost Name/#:	780-1	<del></del>
		/	
Tree health:Live  Observed roost potential:Exfoliating Bark			Unknown
Observed roost potential:Exfoliating Bark Bat vocalizations:Yes	Oracks/creva	· consideration of the same of	
		inside	brick buildin
Guano on ground/foliage:  Yes - wasser a mount of the foliage:  Is guano fresh (if present)?:  Yes	No		
Guano volume (if present):			
DESCRIPTION OF SURROUNDING HABITAT	and the second s	•	
Dominant Canopy Species (> 40 cm/16" dbh)	Subdominant	Canopy Species (<	40 cm/16" dbh)
		Part on appropriate to the second	·
and the state of t	N <sub>eye</sub> .	Philips de la company de la co	
Estimated dbh range (cm): Lg: 40 Sm: 40	Estimated dbl	h range (cm): Lg: _	Sm:
Estimated canopy closure at roost:%			
Slope:SteepModerateSligh		pe_aspect:\_/_A	
Subcanopy Clutter:ClosedMod	deratederate	_Open	
Distance to nearest water source:m or k		Distance to nearest florridor: meters	
Habitat Description: Small town Main Street. I	5	Louis goublind;	<u>wunded by</u> othe
Check all that apply: Mature Upland ForestYoung Upland ForestYoung Lowland ForestYoung Lowland Forest Comments:	orest <u>Crop/Pas</u> Stream/R	tiverVerna t WetlandDeep SwampOther	o/scrub Swamp al Pool water Lake/Pond SMALL Journ





	9	ists: <u>Alexa Gantz</u>
Project Name: <u>Republic</u>		
GPS Unit #: <u>そか 465670</u>	Waypoint: N/A	
Latitude: 4		rude: <u>40°56', 7,4</u> "W
Roost Name/#:	<u>)-1</u>	*
Radio-tagged bat present in tr	ree: Yes X No	
Complete the following information only		
Bat species: <u>Folicus</u> fuscus	Sex(M/F): Age(Ad/	Jv): Ty Repro.: NR
Capture date: 16-5 w-11	Capture site:	Frequency: <u>172.780</u>
the roost to observe all exiting bats, the roost and do not make unnecessal Arrival time: Depart	y noise and/or conversation, and min	
Emergence Time	Number of Bats	Emergence Aspect
2130		
213)	2)	
2134	32	
213 e	<u> </u>	
	10	
4140	U T	
	12	
2194		
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	did the transmittered bat(s) en	nerge? What direction did the
Transmitted but i	eft at 2140 hours	neadwa South

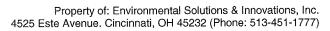
137.780



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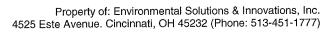
Page \_\_\_ of \_\_\_

	4 (	jists: <u>Aleyou (ooure)</u>
Project Name: <u> </u>	State: 6 Co	unty: <u>Sever o</u>
GPS Unit #: 431 405670	Waypoint:_ <i>WA</i>	
Latitude: <u>41 ° 09 ° 63.7</u>		tude: <u>\$2°56', 1711</u> "W
Roost Name/#: <u>'740</u>		· · · · · · · · · · · · · · · · · · ·
Roost Name/#: 740 \ Radio-tagged bat present in te	ee: Yes <u>X</u> No	
Complete the following information only		
Bat species: <u>Ephsius fikro</u> g	Sex(M/F): Age(Ad/	∕Jv): <u>√</u> Repro.:_ <u>/</u> \/
Capture date:	Capture site:	Frequency: <u>172.780</u>
the roost and do not make unnecessary  Arrival time: 200 Depart	y noise and/or conversation, and minure time: <u>2200</u> Total Ba	ts: <u>43</u>
Emergence Time	Number of Bats	Emergence Aspect
2110	<u>J</u>	
2112		
2114		
211le	: 	
2118	<u> </u>	
2.20	11	
2129	2	
21210		
2128		
2130	\03	
2132	84	
2134	91	
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	emerge simultaneously, fly off did the transmittered bat(s) er	nerge? What direction did the





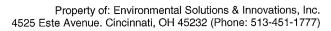
Project #: 340.01	Date: 21 Jul 11 Biologis	sts: M. Flynn
Project Name: Republi	<u> </u>	nty: <u>Seneca</u>
GPS Unit #: <u>1651 965670</u>	Waypoint: 016	
Latitude: <u>41 ° 09 ' 63</u> ,	7_"N Longitu	de: <u>42 ° 56 '17,4</u> "W
Roost Name/#: 172. 780 Radio-tagged bat present in		
Radio-tagged bat present in	tree: Yes No	
	nly if a radio-tagged bat is present in the	
Bat species: EANUS	Sex(M/F): Age(Ad/J	v): <u>≾√</u> Repro.: <u>∧</u>
Capture date: <u>16-5ルール</u>	Capture site: 공니	_ Frequency: <u>\ \ 72.780</u>
the roost to observe all exiting bats, the roost and do not make unnecess.	st the sky as they exit the roost. Please but not close enough to influence emerary noise and/or conversation, and minim	rgence (do not stand directly beneath nize use of lights).
Emergence Time	Number of Bats	Emergence Aspect
9:16	(a)	
0/1/6	111 9	
920	HATHAHIO)	
122	LIH HEHETTHE	C
924	HIT HELLER	<u>V</u>
926	HHT4HT4T	
<u> </u>	HATHAHA HT (20)	
956	HHATT HATTOO	
3∂	14++++++++++++++++++++++++++++++++++++	
34	HHTH 140	
<u> </u>	144 10	
<u> 36,                                    </u>	HATTU O	
40		
Describe emergence: Did bate circle, disperse, etc. What tim transmittered bat fly?  Transmittered bat some back described by the corresponding to the corre	The state of the s	erge? What direction did the





Page \_\_\_\_ of \_\_\_\_

-	Date: <u>aa Tul aoll</u> Biologis	<u> </u>
Project Name: Republic State: 01 County: Seneca		
GPS Unit #: 151 465670 Waypoint: ± 516		
Latitude: 41 ° 69 '63.	7"N Longitu	de: <u>40 °56 '1774 "</u> "W
Roost Name/#: 172.780	10/d/0	
Roost Name/#: Radio-tagged bat present in tree: Yes No		
	ly if a radio-tagged bat is present in the	
	Sex(M/F): Age(Ad/J	
Capture date: 15 Jul 11	Capture site:	Frequency: 172.780
<b>NOTE:</b> Tallies of bat exits should be made at 2-minute intervals. Use the back lighting of the setting sun to help distinguish bats as silhouettes against the sky as they exit the roost. Please ensure that you are close enough to the roost to observe all exiting bats, but not close enough to influence emergence (do not stand directly beneath the roost and do not make unnecessary noise and/or conversation, and minimize use of lights).		
Arrival time: <u>200</u> Departure time: <u>2200</u> Total Bats: <u>200</u>		
Emergence Time	Number of Bats	Emergence Aspect
9:14	111 (3)	6134
9:16	111 (3) HH 1 (0)	6151
9:16 9:16 9:18	HT (6)	9151
9:14 9:16 9:18 9:20	111 (3) +HT 1 (6) +HE+H++H++H+	HHH (3)
9:14 9:16 9:18 9:20 9:22	111 (3) 14t 1 (6) 14t 14t 14t 14t 14t 14t 14t 14t 14t 14t	H141 (32) 1444 (35)
9:16 9:18 9:18 9:20 9:22 9:24		HHH (3) HHHH (3) HHHH (3) THU (3)
9:16 9:18 9:20 9:22 9:24 9:24	111 (3) +++ (6) ++++++++++++++++++++++++++++++++++++	HHH (3) HHHH (35) TH (1) (35) TH (1) (35)
9:16 9:16 9:18 9:20 9:22 9:24 9:26	111 (3) 111 (6) 111 (16) 111 (11) 111 (16) 111 (17) 111 (17)	#HHH (3) HHHH (35) HHH (35) THT (35)
9:16 9:18 9:20 9:22 9:24 9:24	111 (3) 111 (6) 111 111 111 111 111 111 111 111 111 11	HHH (3) HHHH (35) TH (1) (35) TH (1) (35)
9:16 9:18 9:20 9:22 9:24 9:26 9:26 9:30	111 (3) 111 (6) 111 111 111 111 111 111 111 111 111 111 111	HHH (3) HHHH (35) TH (1) (35) TH (1) (35)
9:16 9:18 9:20 9:22 9:24 9:26 9:28 9:30 9:32	111 (3) 111 (6) 111 (16) 111 (11) 111 (11)	HHH (3) HHHH (35) TH (1) (35) TH (1) (35)
9:16 9:18 9:20 9:22 9:24 9:26 9:26 9:30 9:34 9:34	111 (3) 111 (6) 111 111 111 111 111 111 111 111 111 11	HHH (3) HHHH (35) TH (1) (35) TH (1) (35)
9:16 9:18 9:20 9:22 9:24 9:26 9:28 9:30 9:34 9:36 9:36 9:38	emerge simultaneously, fly off in	HHH (3) HHHH (35) THO (35) (16) (18)





Page \_\_\_\_ of \_\_\_\_

#### **ROOST TREE EMERGENCE DATA**

-	Date: 49 JUL 11 Biolog	\massel \masse
Project Name: <u>Republic</u>	State: 💯 Cou	inty: <u>Serve CA</u>
GPS Unit #: <u>もり 465671</u> )	Waypoint: <i></i> _/	)
Latitude: <u>41 ° 09</u> <b>'</b> <u>53</u>	Longit	ude: <u>42 ° 56 ' 17,4</u> "W
Roost Name/#: <u>172.780</u>		
Radio-tagged bat present in	tree: Yes/ No	
Complete the following information of	only if a radio-tagged bat is present in the	eroost
Bat species: <u>੬. Aus েএട</u>	Sex(M/F): Age(Ad/	Jv): <u> </u>
Capture date: 14-5wl-11	_ Capture site:_ ⊘└	Frequency:
distinguish bats as silhouettes agai the roost to observe all exiting bats the roost and do not make unneces	be made at 2-minute intervals. Use the nst the sky as they exit the roost. Pleas s, but not close enough to influence empary noise and/or conversation, and minimarture time:	se ensure that you are close enough to ergence (do not stand directly beneath mize use of lights).
Emergence Time	Number of Bats	Emergence Aspect
2100	HT 111 (8)	
alba		
2104	And the second s	
2106	111 (3)	
2109		
2110	H1Htt) (1)	
28.1 i &	LIFE JHE (1)	
2114	HI HH HH HI ()	
	H++H+1 (16)	
2118	44+4+1111 (19)	
2120	H+ 1111 (9)	
2122	HH-1H (13)	
2124	HT HT HT (2)	/
	ts emerge simultaneously, fly off in the did the transmittered bat(s) em	

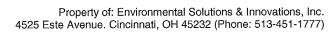
and the second of the second o



#### **ROOST TREE DATA**

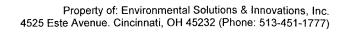
Page	of	:
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Project #: <u>340</u>	Date: 25 Jul	Biole	ogists: J,Basi	ieV	
Project Name: Republic		State:	County:_َ	Sens ca	
GPS Unit #: 851 7 Wa			. <u>67</u> / Picture #		
Latitude: 41 . 69 ,40.	<u> </u>	Longitude: <u>/</u>	<u> </u>	<u>⊰</u> "W	
Bat Species: 2 Auscus		Sex(M/F):/	Age(Ad/Jv	/): <u> </u>	epro.: <u>NR</u>
Capture Date: 24 Jul 11			:_30		
Frequency: 172,500			/#: <u>500-l</u>		
ROOST TREE DATA					
Roost tree species: Bar			dbh: cm		
Estimated height from ground	to roost:	_(meters)	Tree height		(meters)
Exfoliating bark (%):	_ Distance from cap	ture site: <u> </u>	m or km)(c	circle one)	
Tree health:	Live	Dead	-	Partial	
Observed roost potential:	Exfoliating Bark	Cracks	crevasses _	Hollow	Unknown
Bat vocalizations:	Yes	<u>√</u> No			
Guano on ground/foliage:	<u>)</u> ∠Yes	No			
Is guano fresh (if present)?:	<u> </u> Vyes	No			
Guano volume (if present):	1.ght	_			
DESCRIPTION OF SURROU	=				
Dominant Canopy Species (>		Subdom	ninant Canopy Sp	pecies (< 40	ocm/16" dbh)
		***			
					,
Estimated dbh range (cm): L	g: Sm:	Estimate	ed dbh range (cn	 n): La:	Sm:
Estimated canopy closure at r		- 1 to the state of the state o	The Committee Control of the Control		
• •	ModerateSligh	t None	Slope aspect:_		
,	_	derate	Open		
Cubcarlopy Clatter.		dorato	Distance to	nearest flin	ht
Distance to nearest water sou	irce: <u>500</u> ffor l	km (circle one)	corridor:		
Habitat Description:					
Check all that apply: Mature Upland ForestYoung Upland ForestMature Lowland ForestYoung Lowland ForestComments:	_Recently Logged Fo _Pine Plantation _Woodlot/ForestEdg _Old Field	Stre eEme	p/Pasture Land eam/River ergent Wetland ested Swamp	Vernal Deepw	scrub Swamp Pool ater Lake/Pond



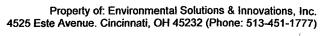


Project #:	Date: 29 July 1	Biologists: Dasige
Project Name: Republic	State: <i>OH</i>	_ County: <u>Sene ca</u>
GPS Unit #: <u>5977</u>	Waypoint:_	N/A
_atitude: <u>41 ° 69</u> , <u>40 ,</u>		Longitude: <u>52 ° 57 ' 5/. 3</u> "W
Roost Name/#:_ <i>500-</i> /		<del></del>
Radio-tagged bat present in t		
Complete the following information on	ly if a radio-tagged bat is pres	sent in the roost sge(Ad/Jv):  Repro.:
Bat species: <u>Eptesicus fuscu</u>	Sex(M/F): A	ge(Ad/Jv): <u>///</u> Repro.:_////
Capture date: 29 70/426	$\mathcal{M}$ Capture site: $30$	Frequency: <u>/ 77, 500</u>
distinguish bats as silhouettes agains	It the sky as they exit the roo but not close enough to influ Iry noise and/or conversation,	// A
Emergence Time	Number of Bats	Emergence Aspect
2110	)]	
2/12	0	
2114		
2116	0	
2122	JH .	
2124 2126		
2126	/1	
<u> </u>	e did the transmittered ba	, fly off in the same direction, loiter, at(s) emerge? What direction did the





Project #: 590.01		gists: <u>- A taka iyo ar \</u>
Project Name: <u>Republ</u>	State: O Co	
GPS Unit #:	Waypoint:	MA
Latitude: <u>41 • 09 , 38.</u>	<u></u> "N Longi	tude: <u>82 ° 57 , 52.6 "</u> W
Roost Name/#: <u>うつ</u>	"Throoklaber	
Radio-tagged bat present in	tree: Yes_ <u></u> No	
Complete the following information or	nly if a radio-tagged bat is present in th	ne roost
Bat species: Epigicost	uch Sex(M/F): Age(Ad	/Jv): <u> </u>
Capture date: 24 72 1720	// Capture site: らぐ	/Jv): <u> </u>
the roost to observe all exiting bats, the roost and do not make unnecess	but not close enough to influence en ary noise and/or conversation, and mir rture time: 2 1/9 Total Ba	
Emergence Time	Number of Bats	Emergence Aspect
2055	<del>A</del>	5000
NO51	3	Carrie of Garage
3059	s.f.	
2101		
	5	
	2	
11		
	1,000	
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	s emerge simultaneously, fly off	in the same direction, loiter,





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Project #:	Date: Biolo	gists: (O)
Project Name: <u>Republic</u>	State: 🔼 Co	ounty:
GPS Unit #:	Waypoint:	9 · 1
Latitude: <u>41° 09° 40</u> .	<u>3</u> "N Long	itude: <u>82 ° 57 ', 5/68</u> "W
Roost Name/#:		
Radio-tagged bat present in tr	ee: Yes No	condistriction bearing the us.
Complete the following information only		
Bat species: Epten (39 for	೧ <sup>೯</sup> ೮ex(M/F): Age(Ad	/Jv): Repro.:
Capture date: 14 July 2011	Capture site:	Frequency: <u>172,566</u>
the roost and do not make unnecessar  Arrival time: 2031 Depart	y noise and/or conversation, and mil	
Emergence Time	Number of Bats	Emergence Aspect
2051	Marie Control	What takes
2050		The second
2055	<u> </u>	
2057	<u> </u>	
0.37		
2127	<u> </u>	
<u> </u>	<u> </u>	
94		
Section 1		
	* * * * * * * * * * * * * * * * * * *	
		315 2 32 37
		<u> </u>
Describe emergence: Did bats circle, disperse, etc. What time transmittered bat fly?	emerge simultaneously, fly off did the transmittered bat(s) er	nerge? What direction did the

99				
	•			
		*ar		
				10 m
				^



	\$	•
Project Name: 🔨 🕠 🔍	State: OH Co	unty: Service
GPS Unit #:	Waypoint:	
Latitude: <u>41 ° 09 , 4</u>	<u>0.3</u>	tude: <u>82 • 57 • 5] 8 "</u> W
Roost Name/#: <u> </u>		<del></del>
Radio-tagged bat present i	n tree: Yes No 🍞	not liveral today
Complete the following information	n only if a radio-tagged bat is present in t	he roost
	Sex(M/F): Age(Ad/	
Capture date: Z4July 1	Capture site: 3 🗸	Frequency:\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>
	ssary noise and/or conversation, and mir	
	parture time: <u>AHR</u> Total Bat	
Arrival time: <u>ADDA</u> Dep Emergence Time	Number of Bats	Emergence Aspect
Emergence Time		Emergence Aspect
Emergence Time  3050  2050  2054  3054  3054  3056  3058		Emergence Aspect
Emergence Time  3050  2050  2050  2050  2050  2050  2050		Emergence Aspect
Emergence Time  3050  2050  2050  2050  2050  2050		Emergence Aspect
Emergence Time  30 50  20 50  20 50  20 50  20 50  20 50  20 50  20 68  20 68  20 60		Emergence Aspect
Emergence Time  3050  2050  2050  2050  2050  2050		Emergence Aspect
Emergence Time  30 50  20 50  20 50  20 50  20 50  20 50  20 50  20 68  20 68  20 60		Emergence Aspect
Emergence Time  30 50  20 50  20 54  30 58  20 58  20 58  20 58		Emergence Aspect

Heralia Straight Cost

#### APPENDIX D PHOTOGRAPHS





Site 2



Site 3



Site 4



Site 10



Site 12



Site 14



Site 23



Site 26



Site 30



Site 31



Big brown bat (Eptesicus fuscus)



Northern bat (Myotis septentrionalis)



Eastern red bat (Lasirius borealis)



Little brown bat (Myotis lucifugus)

This foregoing document was electronically filed with the Public Utilities

**Commission of Ohio Docketing Information System on** 

2/2/2018 2:39:17 PM

in

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

Summary: Amended Application Exhibit Q - Part 2 of 3 electronically filed by Teresa Orahood on behalf of Sally W. Bloomfield