

Date: Project #:

Project	Project Name:		Site	Name/#:	1,3					Initials:	
Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	(g)	(mm)	(F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
0	V	Įį.	3315	\$	1	7	70.4	E17	U	0	
1	1	+	11.20	13	7	3 2	24.2	45	A	0	
	12	0000	2320	3	2	NR	73.4	2	Y	0	
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-	A	(5) S.	2340	36	5	23	14.8	hh	T	0	
	I	- 20 S. C. C.	2340	20	5	25	6	40	S	0	
N	1	i	0100	R	4	2 12	5	35	8	0	
1	1	1	0000	18.00	2	3	5.8	35	W	Õ	
CX	1		0030	B	5	12	Ī	55	(0	
0	4	11	0030	25	Z	30	15.5	76	7	0	
00	Y	11	0030	75	N	SN	6 61	75	A	0	
10	d	1	0030	120	4	JA	13.1	4	Y	0	
77	A	1	0530	M	U	NZ	19.3	de	T	(3)	192,580 Section
12	4	500000	0800	3/2	V.	200	800	2	1	8	
2.0	d	5	1						1		Escapel.
35	1	The District	01/5	Y K	L	72	-	5/5	(1	0	
12	1	200	21.17	3	2	17	0	76	1	0	
100	4	7. 2. 2.	0710	76	50	200	16.0	4	11_	0	
20	V	()	340	13	1	×	-		H.	A	

3 3 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Visible Condition	svertically	Direction of wind shown by smoke but not by wind vanes	Wind felt on face, leaves rustle; ordinary wind vane moved by wind	Leaves and small twigs in constant motion; wind extends light flag	Raises dust and loose paper, small branches are moved	Small trees in leaf begin to sway; crested wavelets on inland water	arge branches in motion, telephone wires whistle, umbrellas used with difficulty	Whole trees in motion, inconvenience in walking against wind	The same of the sa
	Description							1		Production and Production and

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 scal tissue (splicthing). Scarting is visible without transfurmation. Membrane exhibits some necroits issue and possibly lew small holes (<0,5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.
m	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagnopatagium and/or chiopatagium are evident.

Page 2 of



BAT CAPTURE DATA (continued)

Project Name; Steedes Time Adg Sex Repro. 2 Wr RFA Belly Wing Index Comments	Proje	Project #:	340	Date:	1	2901					101	
Net Species Time Age Sex Repro. ² Wit RFA Belly Wing Index*	Proje	ct Nam	Ü	Site	Name/#:	15				iu	tials:	
A L. Chevous 140 20 F ol 29.5 59 PM A L. Chevous 140 W F WR 250 56 PM PM MARKET 140 AN F WR 250 FM PM MARKET 140 AN F WR 250 FM PM MARKET 140 AN F WR 250 FM PM M	Capt #	Wet #		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
A 9. C Gereus 148 3v. F VR 250 S6	60		L CINEDONS	140	10/	le.	70	0	105	100	0	
	00		SUSTABLEUS	851	3	ir	X		3	ī	1	

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m	Heavy damage. Deteriorated wing membrane and necrobic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiopatagum and/or chiropatagium are evident.

Leaves and small wigs in constant motion, wind extends light flag.
Raises dust and loose paper, small branches are moved.
Small treas in leaf baguin to sway, crested wavelers on inland water.
Large branches in motion, telephone wires whistle, unbrellas used with difficulty.
Whole trees in motion, inconvenience in walking against wind.
Breaks twigs off trees, generally impedes progress.

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

Light Breeze Gentle Breeze Moderate Breeze

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

Fresh Breeze Strong Breeze Moderate Gale Fresh Gale

Visible Condition

Description

Wind Speed (mph)

Page 2 of



NET SITE HABITAT DESCRIPTION

Project #	: 340	Date	: 7/26/11	Biologis	ts: A. Kai	owski,	J. Kein
Project N	Name: Fee	10		Site Nan	ne/#:	5	
State:	Co	unty: Sen	eca	USGS Q	uad: Wats	on	
Net/Trap/	Net/Trap/ AnaBat Serial #	Lati	tude	Longit	tude	Picture #	Waypoint #
or AnaBat	MET	41017	02.4"N J	13 " 00 "	54. 7 "W	0668	340A15
B	net	410 12 .	04/1 "N 4	3.00	56.6 "W	0871	340015
C	net				57.6 "W	0659	340015
D	nel	11		0.00	59.4 "W	0670	340 DIS
	to closest wate	r source (meter	s):	Туре	of water sour	ce: cres	-76
	urce name:			LINDED NE	TOV		
		The second second second	ACTERISTICS (IF			3 mot	orc
	ight:m		el Width:				ers
			Cobble 💢				
Still Wat	er Present (Y/N): Ave	erage Water Depti	h: <u>15</u> m or	cm Clarity	(H,M,L): <u></u>	
/EGET/	ATION:						
Dominar	nt Canopy Speci	es (> 40 cm/16	dbh) Su	bdominant (Canopy Spec	ies (<,40 c	m/16" dbh)
Jugi	and nig	Y 03		Acer	GACCHO	aring	With the second
1	V						
							1 1
Estimate	ed dbh range: L	g: <u>75</u> Sm:	50 Es	stimated dbh	range: Lg:	10 Sn	n: <u>15</u>
Relative	abundance of c	lominant vs. sul	odominant (ratio):	1/6			
	ed canopy closu		Closed	1	<u></u> Modera	te	Open
Roost tr	ee potential con	sists of:	∠Large Tree	es	Snags	_	Neither
Roost tr	ee potential for	he area is:	High		Modera	te 💆	Low
	otential commer		ark -				
	opy clutter:	-0	Closed		Modera	te	_Open
	opy comprised la	argely of:	Lower Bra	nches of	Sapling	s	Shrubs
30000	, sempone		Canopy Tr	ees	9		
Commo	n Subcanopy S	pecies:	leer neave	do			
	A		U				
Habitat	Description: 4	and lot	war cy	ock 1	cropla	nd	
	+174	our ce			0		
	Habitat: <u>/////</u>						
	<u>ill that apply:</u> re Upland Fores	t Recently	Logged Forest	N/Cron/Pa	asture Land		Other
	g Upland Fores			∑Stream.			8.13/
∠ Matu	re Lowland Fore	st Woodlo	t	Vernal			
_Youn	g Lowland Fore	st Old Field	d	Deepwa	ater Lake/Po	nd	
Herbace	eous Cover: _	_ Sparse	Moderate	Dense	9		
Revised A	oril 2011		T	1			



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

NET SITE HABITAT DESCRIPTION (continued)

Project #: 340	State/County:	Senaca	OH	Site Name/#:	15	Initials: AB
		SKETCH: I and Anal				
N		una Ana				
Α.			tie	d		
N. C.			-	-		
AV.					7-11	
/*			^	- /,	11/	7/1
V	2/10	od lo-			71	
-//	100	99100	6			000
\//	V X	1/	+	0/		1 X
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		1			R	
P		B				- 4
D	overgrown .					500
	0	0	11-	-		37
			D. 1			
		1 ra	l'anto	es	(4)0	
		12/0-1	1, 1			
		Wood	10+			
			-			
LEGEND			С	OMMENTS		
ets:						
	-					

ESI

BAT CAPTURE DATA

Date: 7/26 J. IcleSite name/#: Project Name: Le pur bili 340 Biologists: A Project #:

County: Some Camera #: OF GPS Unit #:

State:

(°C) (estimated - see chart)* 2 4	Cover (estimated)	
	20%	
W/ W/W	20%	
127	20%	
100	20%	
200		
	120/9	
1	9203	
27	25 N	
6	%S	
TVC I	888	
12	20/2	
5-1	5%	
1-3	5/3	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

A net 41° 12° 02,9 "N 83° 50° 54,7 "W 4 6 2050 0156 0666 340215 B net 41° 12° 04,6 "N 83° 50° 57,6 "W 4 7 2107 209 0679 340215 C net 41° 12° 52,7 "N 83° 50° 57,9 "W 9 7 2107 209 0669 340215 D net 41° 12° 52,7 "N 83° 50° 57,9 "W 6 6 2110 220 0670 340215	Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	ב	atitude	2	ongitude	Length (m)	Height (m)	Time Up (xxxx h)	Time Down (xxxx h)	Picture #	Waypoint #
56.6 "W 6 5 2100 202 0 157.6 "W 9 7 2107 209 0 159.9 "W 6 6 2110 220 0	A	net c	21.11	1 02.9 "N	100	25	0	10	2050	950	200	340415
57,6 "W 9 7 7 2107 209 6	(2)	het 4	21011	N. 1950 .	83 .00		10	16	2100	202	0	340815
159,9 W 6 6 2110 220 0	7	net 4	21. 11	N. 920.	83 .00	M. 9.75.	0	5	2107	209	6990	340015
	A	net 4	21.	1 52.7 "N	83.00	Mu 5 '55:	10	10	0112	220	0670	340015

-	Net/ Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	(g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
1	<u>~</u>	M. Luci	71320	. d	5	->	216	Ex	نف	0	
	/23_	M. 100°	20:30	-6	W	4	6,7	60	(1)	C	
	ρΔ	M. Luti	71:32	>	W	N	HY	10	m	9	
	0	M. LvC	21,30	8	181	NR	ry.	38	4	Ó	
	20	m. GC	71:30	10	\$	NR	8.8	38	(1)	0	
	2	11/11 Luci	21.35	PV	M	->	T (X)	36	(-1)	0	
	12	Jul. 1-62.	21:35	-0	X	->	7,3	77	U	0	
-	2	ps . Loc.	21135	-01	N.	7	N. D.	100	W	9	
	pC	200 1 202	71:35	7	101	S	5.0	4	لما	0	

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



Picture # /Guano/Hair Sample Comments Wing Index* (0-3) Initials: (FIMIE) (mm) TI 63 -5 ¥ (6) Repro.² Sex (MIF) 3 Age (AdlJv) Site Name/#: 0 1:49 0 N .50 00,00 10000 LA 76.90 1 いってい Species 00 500 500 19 18 E SUL 000 8 1 340 Project Name: Project #: MI 55 Capt 1 3

Score	Describera
0	No damage. Fewer than 5 small scar spots are present on the membranes.
-	Light damage. Less than 50% of flight mentorane is depigmented (splotching), which is often visible only with translumination.
	Moderate damage. Greater than 50% of wing membrane covered with scar bissue (splotching). Scarring is visible without translumination. Membrane exhibits some necrotic tassue and possibly few small holes (<0.5 cm diameter). Forearm skin may be flaking and discolored along the majority of the forearm.
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Page 2 of

Leaves and small knigs in constant motion, wind extends light flag
Raises dust and loose paper, small branches are moved
Small trees in leaf begin to sway, crested wavelets on inland water
Large branches in motion; telephone wires whistle, umbrellas used with difficulty
Whole trees in motion; inconvenience in walking against wind
Breaks twigs off trees, generally impedes progress

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

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

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

Light Air

Visible Condition

Description

Wind Speed (mph)



BAT CAPTURE DATA

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

Comments

% Cloud Cover (estimated)

WEATHER DATA Wind Direction: From to

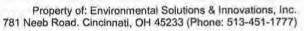
pe

0110		7/20/11	(0000 h) Temp (°C)	(estimated – see chart)*
Project #: 220	Date:	1/27/	21130 759	1-3
Project Name:			72:00 25.6	1-3
State:	County: Senera		の方で	97 0
Biologists: A. Lan	0450Kz, J. K.	KRINGER	0 1/2/8/2010	< -
Site name/#:	2			2
GPS Unit #:	G	Camera #:		1 541
New moon Waxing gibbous Last quarter	MOON PHASE* Waxing crescent Full moon Waning crescent	First quarter Waning gibbous		

Species Time Age Sex Repro. 2 Wt RFA Belly Wing Index* Species Time Age Sex Repro. 2	Net/Trap/Anaba	Net/Trap/Anabat Net/Trap Type¹	Latitude		Ī	Longitude	ade	Le	Length (m)	Height (m)	Time Up Time Down (0000 h)	(0000 h)	Picture #
Met	# 7	0	620. 6	Z	0	- 00		H		Sa	2110	215	_
Met	1	700		N.	1	*	M _u	X		50	2105	205	340315
Species Time Age Sex Repro. 2 Wt RFA Belly Wing Index*	8	7-1-	10 17 1 0E.A.	N.	0		Mu			0	7012	210	347615
Net	Not Discomo	ot/Site Description	F10 P1.4			-	+ 3	115	- 1	ACC.	2115	225	340215
B E Toole 11:14 TO No 1/R 7/3 A No cos 11:14 TO No 1/R 7/3 B E Toole 18:25 to No J Hill	Capt Net	6	saj		Age Ad/Jv)	Sex (M/F)	Repro. ²	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Inde (0-3)		Comments Picture # /Guano/Hair Sample
3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13			41,	2	5	NR	7.3	7	14	V		
14 6 m 25 25 m 2 141 6 8 8 8 141 1 141 1	- L			78	3	-	N. P.	C 25	1-	EV	0		
5 7 50 M D 141	N. K	1	1	100	-(y	2	D S	0	1	8		
	N 7	Υ.	21115	33	7	15	->	1	17	f	0		
	7	1											

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

² Reproductive Condition: Female = NR/PG/LPL. Male = 1/↓





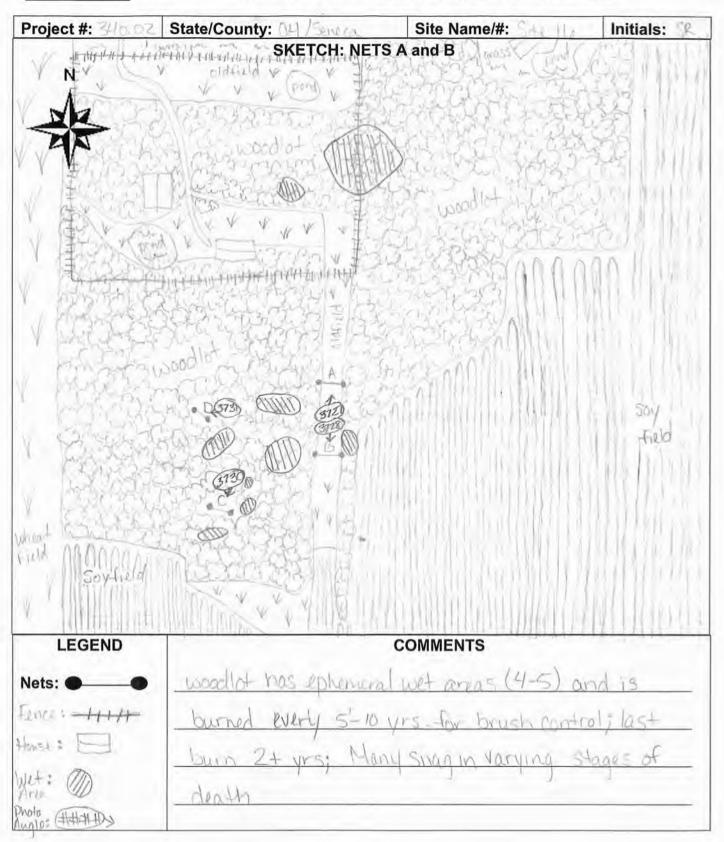
NET SITE HABITAT DESCRIPTION

Project #: 240.07	Date: 20 July 2011	Biologists:	H, S RELIVES
Project Name: Tetratech	Expublic	Site Name/#: 5/12	10
State: OH County:	jenia	USGS Quad: Fine	side
Camera #: C-/834 Picture #s: Latitude: 4/ ° /2 ' 27 C Distance to closest water source Water source name: MANAGE	"N e (meters):	GPS Unit #: 6846 Longitude: 82 ° ≤ Type of water source	7 '7.2 "W
ESTIMATED WATER SOURCE			V.A.
Bank Height:N/A_meters	Channel Width: MA	meters Stream W	idth: Managemeters
Substratum: NA Bedrock			The second secon
Still Water Present (Y/N): N/A	_ Average Water D	epth:∖ <u>\</u> morcm Cla	arity (H,M,L): <u>M</u>
VEGETATION:			
Dominant Canopy Species (> 40	and the second second second second	Francis Denote Spec	
Acer Sarahuman		Judane rugen, Can	
		Ulmus anuricana	Λ=
Estimated dbh range: Lg: 100 n	m Sm: 4/Delm Est	imated dbh range: Lg:	
Relative abundance of dominar		the state of the s	
Estimated canopy closure:	Closed	Moderate	Open
Roost tree potential consists of	:Large Tree	esSnags _ <u>v/</u> Bot	th Neither
Roost tree potential for the area		<u></u> Moderate	
Roost potential comments:	any snassi Carve	50., Ulmus sp.,	Arus so.
Subcanopy clutter:	Closed	Moderate	Open
Subcanopy comprised largely of	of:Lower Bra Canopy Tre		Shrubs
Common Subcanopy Species:	Jullans mara	Llimus	anance
	Carya ou	cha	
Habitat Description: Malura	woodlat near 3	safield with your	Sir-Thip
May 2 ponds		*	
Young Upland ForestPir Mature Lowland ForestWoo	cently Logged Forest ne Plantation codlot/ForestEdge d Field	Crop/Pasture Land _Stream/River _Emergent Wetland _Forested Swamp	_Shrub/scrub Swamp _Vernal Pool _Deepwater Lake/Pond _Other
Herbaceous Cover:Span	seModerate	Dense	



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NET SITE HABITAT DESCRIPTION (continued)



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

S

BAT CAPTURE DATA

Project #: 340.02 Date: 20 July 2011
Project Name: Jefrackuch Rouding
Biologists: D. Micht SRuws Site name#: 572 16
State: Chino County: Swera
GPS Unit #: E 68 40 Camera #: C 1834

Time	Temp	Wind Speed	% Cloud	Comments
(HYXXX)	(3)	(esumated - see chart)	cover (estillialed)	
100	28.2	1-3	30%	
180	27.5	0	30%	
200	27.3	1-3	30%	l
0250	27.0	0	250	
200	23.1	S	200	
188	27.0	(-3	00	
SOUTH STATES	11/2	4-7	000	
View (226	6-77	000	
800	26.9	8-12	508	
V 30-	211.5	27-12	3,0	
023	26.3	2-12	13.5	
02.20	2005	20-12	102	1

Picture #	870	3728	2780	
Time Down F	0/20	0155	0200	6305
Time Up (xxxx h)	2050	2055	2100	21ng
Height (m)	9.2	2.6	(0.5)	6.2
Length (m)	12	4	10	1
Longitude	W" 270. 72 . 28	57	M. E. G L. > . Z.8	W
Latitude	41 . 12 . 27 . N	N. 598. Z/ . 16	41 . 12 . 76.7 "N	N. 666. 61 . 17
Net/Trap/ AnaBat Serial #	+	0		
Net/Trap/ or AnaBat	ナラ	12	102	70/3

Net Placement/Site Description:

MAN MAN

をからしています

100

Waypoint #

100

500

Comments Picture # /Guano/Hair Sample	V/V	40	1/4	all hole in situation	1	D/W	1/4	7//
Wing Index*			×		2	C	2	2
Belly (F/M/E)	I	2	2	2	Z	2	2	2
RFA (mm)							46	13
¥ (6)	18-1	19.9	14.4	8:11	00	8.8	21.4	11.7
Repro. ²	2	7	4	<	d X	4	2	Ja
Sex (M/F)	11	A	2	2	1	Σ	I	1
Age (Ad/Jv)	AO	70	>	7	3	Ad	7	Ac
Тіте				215	-	3		1
Species	からいているかられ	+ + 1050 ×	1	T Fusions	THE STATE OF THE S	THERES	11+130m3	T. 4.80.4

*Reproductive Condition; Female = NR PGL PL. Male = T+ *Refer to table on the back



230 Addusy (MIF) 230 Ad
FLORE TISSES VETCALLY Smake tisses vertically Smake tisses vertically Wind felt on tisse. Easies custo, owind varies wind strawn by smake but not by wind varies to the season of wind strawn by smake but not by wind varies of the season strain motion, wind varients uptil flag.
Sandle isses vertically Smoke isses vertically of the part

Comments

Cover (estimated) % Cloud

(estimated - see chart)* Wind Speed

(°C)

30%

1996 200

8

2200

2301

200

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WEATHER DATA

(xxxx h) Time BAT CAPTURE DATA

ESI

2011 1725h V Date: 22 July Site name/#: Camera #: County: stone Zyn.nz JHX9) Biologists: Project Name: GPS Unit #: Project #: State:

indev

Net/Trap/ AnaBat Serial #	Latitude	Longitude	Length (m)	Height (m)	Time Up (xxxx h)	Time Down (xxxx h)	Picture #	Waypoint #
Œ.	41 . 12 . 27.6°N	82. 57. 72 W	CI	0.6	2050	0.20	3727	023
2	WI 0 12 , 71.5 "N	M. C. CS . S	4	20	2055	0120	3728	026/

>... 3

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N. C

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Capt #	Net/ Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²) W	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
1	B	Totaline suspens	2125	X	2	2	211	17/7	2	0	K//A
1		T. Disco.s	2130								Escaped Met
PX	B	Tions I	21%	FY	H	>	631	4/1/7	2	C	NA
17	X	Lasternat Portein	2150	A	T	N N	18.5	9/5	Z	C	Sala
N	X	E Suces	2200	100	U		1.6	455	Z	C	× =
0	2	T. Carlo	2200	No.	I	4	100	4110	2	0	14/02
P	150	T. Charles	2220	2	2	<	12.3	63	2	0	MA
10	2	- Firens	2226	2	2	<	0.47	174	Σ	0	NA
8	EL.	4	2220)-(1	2	5	1. A.	7/2	2	C	RACCOST & STAN 20 JULY

1 Reproductive Condition: Female = NR/PG/L/PL; Male = 7/↓ * Refer to table on the back

Page 1 of 2

* Transmitter boot (172.118)



Species	Project #:	Project #: 240.02	_ Date:	Date:	NO NOT	1102	1				
Net	Project Name	TRAINSTOCK RAINE	Site	Jame/#:	ろれ	2 110			Init	ials:	52
Description Walter Condition	Capt Net	Specie	-	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
Description Visibe Continue Continue Co	0	STANDER AND STATE	2360	7	2	7	173	25	I	0	NA
2220 W W 137 44 M (H	50.51T	2,354	3	U	Z Z	12.4	430	3	0	NA
Description Wisibe Condition A	8	50504	CX-50	>							FSGALD NEL
Description Visible Condition	4	The state of	232h	7	1	4	137	7/5	Z	0	
Description Visible Condition	N.	THE STATE OF	2320	7	2						Readure
Description Visible Condition		Lucia	2320	A	11	_(- Porn Muse
Description Visible Condition									,		
Description Visible Condition											1
Description Visible Condition											
Description Visible Condition											
Description Visible Condition 0											
Description Visible Condition 0											
Description Visible Condition 0											
Description Visible Condition 0											
Description Visible Condition 0											
Description Visible Condition 0											
Description Visible Condition 0									Score		Description
			E						0	-	r than 5 small scar spots are present on the membranes.

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 bssue (splotching). Scarming is visible without translumination. Membrane exhibits some necrobe bssue and possibly few small holes (<0,5 cm diameter). Forearm skin may be falsing and discolored along the majority of the forearm.
m	Heavy damage. Deteriorated wing membrane and necrotic bissue. Isolated holes 20.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or chiropatagium are evident.

Smoke rises vertically

Direction of wind shown by smoke but not by wind vanes

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

Leaves and small Mags in constant mobion, wind extends light flag

Raises dust and loose paper: small branches are moved

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

Large branches in motion, telephone wires whistle, unbrieflas used with difficulty

Whole trees in motion, inelephone wires whistle, unbrieflas used with difficulty

Breaks twigs off trees, generally impedes progress

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

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

Page 2 of

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

ESI

BAT CAPTURE DATA

Project #: 340.02 Date: 24 July 2011

Project Name: Tetratech Nord:v Qualitic

Biologists: Dieffort SeeverSite name/#: Stello

State: OH County: Source

GPS Unit #: Flostle

Camera #: C4834

Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
2100	24.0	0	80%	
2130	22.8	9	50%	
2200	1.28	0		
2230	22.1	0	1	
2300	22.1	0	l	
2 330	21.9	0		
0000	21.7		100%	
0.030	21.9		9,03	
03180	21.8	1-3	1609/	
0130	21.7	0	100%	
0000	73.2	C	5/aDQ/	

Waypoint #	523	624	520	026
Picture #	3727	3728	372C	3731-32
Time Up Time Down (xxxx h)	6205	0200	05/00	8145
Time Up (xxxx h)	2015	2025	2035	Shaz
Height (m)	2.5	9.2 m	62.5	627
Length (m)	6	10	20	ir m
Longitude	82° <7: 7,2 "W	82 . 57 : 7.2 "W	82 ° 57 ' 10,3 "W	82 ° 57 ' 16.8 "W
Latitude	N. 9/2. 21 . 15	N" 26.5 "N	N. 2'52 . 21 0 15	N. Z CZ: Z1 . 15
Net/Trap/ AnaBat Serial #	Y	(2)	V	A
Net/Trap/ or AnaBat	Net	10/6	1164	1787

Net Placement/Site Description: Nets 4 & B. S. S. S. S. A. A. Marian

Capt 1	Net/ Trap	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	Wt (9)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	V	Mystif Sodalis	2120	AA	14	74	2.0	37.0	W)	0	3788-3799
	20	Firesitus fuscus	2205	AA	5	4	16.3	44.5	X	0	\$2
	0	E MUSSIE	205	10	3	4	13.4	44.0	1	0	12
	6	E -TUSTING	2215	Ad	1	4	19.8	45.5	X	0	A.V
	1	E. A USCUS	2230	30	1	<	14.7	44.0	4	0	1/2
	0	E. freus	0000	Ad	(7		24.0	45.5	4	0	WHERESINHET 172,116
	0	Ness sept trongs	0000	P.04	2	4	(章)	35.0	2	C	生フ
	3	F. Leans	2345	>	I	4	13.0	47.5	2	C	12
	8	Nichta hochigan	200	-	Σ	<	1.7	2(1)	2	0	2820 -3827

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



Project Name: To Why Holds Site Name)	rojec	t#:	Project #; 340,02	Date:		24 July 2011						
Species Time Age Sex Repro. 2 Wt RFA Belly Wing Index*	Projec	t Name:		Site	Name/#:	5,40	Jo of			=	-	SP
C	Capt #	Net #		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
C Entrans (150, 201) Ad F W W 20,8 470 F O WA C Entrans	0	(Music lunfamos	5/90	75	I	4	9197	35	Z	0	4/2
C E. Austria	H	0	Fatesius ficus	0025	AA	2	>	20,8	47.6	11	0	する
C Extrans Oran Ad M & 16,4 46,0 M O N/4 E. fluccio.	N	C)	The freezes	0120	Ad	П	70	213	47.0	11	0	AN
E E, fine 5120 JV M P 15.2 43.5 M O N/V Loss 10.25 JV M A 14.2 43.6 M O N/V Loss 10.25 JV M P NR 16.8 45.0 M O N/V Loss 10.2 M O N/V Lo	0	0	E.405015	02120	Aci	Z	4	16,41	4.00	I	C	37
B E, fusas 0125 IN P A 14,2 43.6 M O NJ B E, fusas 0140 IN F NR 16.8 450 M O N	3	ر	F. Ausan	0210	3	2	4	15.7	435	2	C	A/V
B E, twisas 0140 W F NR 16.8 450 M O N	5	4	t. fusions	8125	1	I	4		43.6	2	0	₹7
	9	8	D. 405005	0140	3	11.	NR	(v. 8)	450	I	0	★ Z
				1								
					4							

10

Score	No damage. Fewer than 5 small scar spots are present on the membranes.	Light damage. Less than 50% of flight membrane is depigmented (spiotching), which is often visible only with translumination.	Moderate damage. Greater than 50% of wing membrane covered with scar tissue control control of the control of t	necrobo base 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	>0.5 cm are present in membranes. Necrotic or receding blagiopatagium and/or	chiropatagium are evident.	
1.4									

Description

Wind Speed (mph)

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

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





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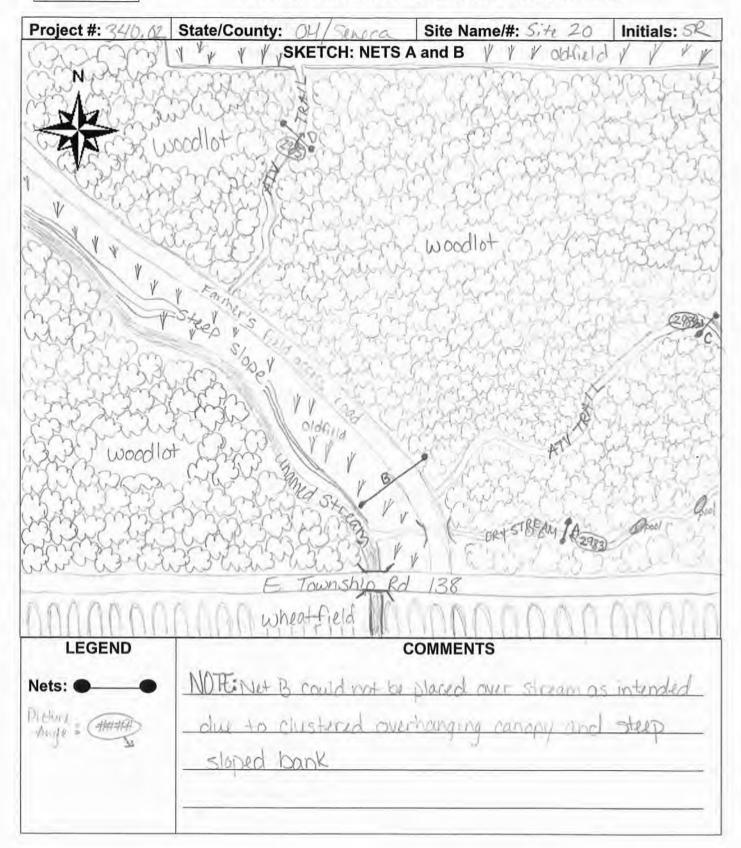
NET SITE HABITAT DESCRIPTION

Project #: 340.02 Date: 13 July 2011	Biologists: E BASIAIR, S REGULS
Project Name: Tetratech Regulic	Site Name/#: Site 20
State: OH County: Surena	USGS Quad: Fire side
Camera #: 68/646k Picture #s: 2983 - 248/6 Latitude: 4/ ° // '045 "N Distance to closest water source (meters): 0 m Water source name: unamed stream	GPS Unit #: <u>E9528</u> Waypoint #: <u>34626</u> Longitude: <u>93 ° 00 ' 26, 3</u> "W Type of water source: <u>stream</u>
ESTIMATED WATER SOURCE CHARACTERISTICS	(IF UNDER NETS):
Bank Height: 5,2 meters Channel Width: 2.5	meters Stream Width: meters
Substratum:BedrockBoulderCobble	GravelSandSilt/Clay
Still Water Present (Y/N): Average Water De	epth:m or cm Clarity (H,M,L):\
VEGETATION:	
Dominant Canopy Species (> 40 cm/16" dbh) Sub	dominant Canopy Species (< 40 cm/16" dbh)
- Layeres mentales N	M
	AV. SALATA ANDS
Estimated dbh range: Lg: 40 Esti	mated dbh range: Lg: <u>#</u> Sm: <u>/</u>
Relative abundance of dominant vs. subdominant (rati	
Estimated canopy closure:Closed	Moderate Open
Roost tree potential consists of:Large Tree	
Roost tree potential for the area is:High	<u>✓ Moderate</u> Low
Roost potential comments: 4-5 Soaos Drese	
Subcanopy clutter:	ModerateOpen
Subcanopy comprised largely of: Lower Bran Canopy Tre	nches ofSaplingsShrubs
Common Subcanopy Species:	
(1)	sprisint and stream in corridor
Herbaceous Cover: SparseModerate	_\/_Dense



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NET SITE HABITAT DESCRIPTION (continued)



S

BAT CAPTURE DATA

Date: 13 July 2011 Camera #: SR Lodak County: SARCE Site name/#: S-Republic Biologists: E Costy er, 5 Boves Project Name: Tatratich F9528 Project #: 340 .02 State: Ohib GPS Unit #:

7:67	50%	
0	25%	
C	26%	
O	0%0	
(%0	
0	80	ļ
9	0%0	1
2	0,60	
0	%0	1
C	%C	
9	0%0	1
	25.4 17.7 18.6 16.8 16.8 16.8 16.8 16.8 16.8 16.8	000000000000000000000000000000000000000

Waypoint #

Picture #

TV Train

Net Placement/Site Description: Net A over dry Straw Rad Net R across wide carridary

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
	Mystis Santamonia	7 2/50	Ad	2	1	6.5	18	ש	0	3456
	asmes com	0140	M	Z	7	11.9	14)	2		3476

* Refer to table on the back * Reproductive Condition: Female = NR PG:L PL, Male = 7.4

BA Project #: 340.0 Project Name: Tely F OF Biologists: F Park State: Ovn D GPS Unit #:

AL CAPTURE DATA				WEATHER DATA	RDATA		ATHER DATA
		Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud	oud timated)	Comments
		21.50	27.72	9	-		
Date: 19 MILLS		27:24	25,4	0	0		
ACCIDINATION C		77:57	23.10	8-12			
, in the second		9 00	4.82	0-17	0		
Site name/#:		W 10	(4)	25-12			
County: SEVELON			1	8-17	2		
Camera #:	1						
	Ĭ.						
rap/	Longitude	Ler	Length Height	-	Time Up Time Down	Picture #	Wavnoint #

or AnaBat	AnaBat Serial #		4	Latitude	apr				Longitude	ade		Length (m)	Height (m)		Time Up Time Down (xxxx h)	Picture #	Waypoint #
13/00	4	4)	0		M. W	Z	63	0	2	3	M.				2110	2928	SE
270	0	4	0		01.7	N _a	88	0		000	M _u	90	6	20207	MISS	2000	9
1 30	2 -	4	0	-	200	N.	W. 32	0	6	8.07	Mu	9	1013	TAKE	ANGE	1584	rv
130	0	H	0		300.	Z,	25	0		120	×.	6	7-6	2100	070C	79.85	2.3
Net Placemer	Net Placement/Site Description	1	+	×.	0000	Jan S	15/10	reen	1	1+1	Sacra	9000	TH PASS	N Make	Tal Day	ITH SON	Louke Land

Picture # /Guano/Hair Sample Comments 2992-2977 2000 Wing Index* (0-3) (F/M/E) 5 5 RFA (mm) V. ¥ (6 0 00 Repro.² 72 2 Sex (M/F) SIH Age (Ad/Jv) 77 34 17.74 11.76 Time Reproductive Condition: Female = NR PG L.PL. Male = ↑↓ FUSCUS PPESICUS AUSLU NISCUS Species STONE STONE Eptesius Eptesus 4-85 KWS ptesuus PSILVES TESTEMS 8512.US Trap Capt

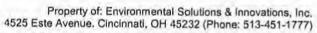
* Refer to table on the back

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BAT CAPTURE DATA (continued)

		Comments Picture # /Guano/Hair Sample																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), using the refer under the transformers of the properties of t	Moderate damage. Greater than 50% of wing membrane covered with scar bissue (spicitching). Scaring is visible without translumination. Membrane exhibits some necrobic bissue and possibly five small holes (cd.5 or diameter). Forearm skin may be fisher and democrate or the moderate of the production.	The manual and concentration and the properties of the process of	ident.
	Initials: 518	Wing Index* (0-3)	ès		0	0	0												No damage. Fewer the Light damage. Less	Moderate damage. C (splotching). Scarring necrotic tissue and po	Heavy damage. Dete	chiropatagium are evident
	Initi	Belly (F/M/E)	1		m	W	11					Ī						Score	0 +		,	23
		RFA (mm)	45	1.4	Y	AST	460	T							-							
		Wt (9)	FE	0.6	0	19,6	00															
1196	98	Repro. 2	1	11/2	ME	300	>		7						 			1				
2	7	Sex (M/F)			APA .	M	S															
101	Site Name/#:	Age (Ad/Jv)		2	7	3	\$														with difficulty	
Date:	Site	Time	72,70	18.8	53.3	13.90	200	1		-						-+			uo	ane moved by wind d extends light flag	lets on inland water site, umbrellas used	g against wind ess
	Dish Reporting	Species	25/00/5 FUSCUS	Chesicus Priseus	OLESIUM LY A	1051CMS (1157 U.)	PASIONS FULLY						1			i k			Visible Condition 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 layer, in constant motion, wind extends light flag. Breese, virist and loose name, extell transfers are moved.	Small trees in led begin to sway, crested wavelets on inland water Large branches in motion, telephone wires whistle, unbrellas used with difficulty.	Whole trees in motion, inconvenience in walking against wind Breaks twigs off trees, generally impedes progress
540,07	THE: TOTAL	_	L ON	000	L DOI	5. 00.	127		- +		1	4 -		-	÷ - ,	131		1	Description	Light Air Light Breeze Gentle Breeze	Fresh Breeze Strong Breeze	Moderate Gale Fresh Gale
Project #:	to.	Capt Net	0 6	1	17. 13	3. 6	14:0				ı					ē	*	Wind Speed	1	1 - 1		





NET SITE HABITAT DESCRIPTION

	340.01		ite: 19 Jul 201	Biolo	gists: 0 6a	Siger 1	M- 191
Project I	Name: Kepi			Site	Name/#:2		
State:	OH Co	unty: Sen	DIA	USG	S Quad: Watso	211	
Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	- (1	atitude	1	ongitude	Picture #	Waypoint #
EXE4	A	41 0 10	' 42.9 "N	830	13.9"W	814	21A
net.	B	410 10		83° 0	15.0 W	813	216
net	c		' 44 3 "N	830	0 1 16.6 W	815	210
Distance	to closest water	1/1 " 10	45,3"N	83° C) ' 17.7 "W	818	210
W - 12	urce name: W		ers)		pe of water source	ce: Strea	10/1
The Section of the Section	Alberta Marian Art and		DACTEDICTICS	//F LINIDED	NETO		
	ght: / me		RACTERISTICS			D	
		Printer Control			Stream Width:		ers
					Sand S		
		A	verage Water De	epth: <u>6.5</u> m	or cm Clarity (I	H(M)(L):	_
VEGETA	TION:						
	Canopy Specie		6" dbh)		t Canopy Specie		n/16" dbh)
_Aa	r rubru	5		A	cer rulon	in	
A	ur sacch	iarum			r sacch		
Estimated	dbh range: Lg	: 70 Sm	1: 40		oh range: Lg:	Critical Contract	_
			ubdominant (ratio			OIII.	
	canopy closure		Closed	0),	 Moderate)non
	e potential consi		Large Ti	rees	Moderate		Open
	potential for th		High	1003	Shags Moderate		Neither
				ot hour	High + ba		OW SHEET
Subcanop		11/001	Closed	S HAVE	4		-
			- 0	552.5055.32	Moderate		Open
Subcanop	y comprised lar	gely of:	Canopy 7	ranches of	Saplings		Shrubs
Common	Subcanopy Spe	cies.	A	brum			
COMMISSION	очьсапору орс						_
Habitat D	andation la	-	N v	ccharum		er ince	And her
	escription: <u> a r</u>	ge wood	dlot confai	ning Sm	. STRAM S	SURVOUN,	near by
AnaBat H	abitat:						-
Mature Young Mature	that apply: Upland Forest Upland Forest Lowland Forest Lowland Forest	Forest E	1	Stream Vernal		Oth	er
Herbaceon Revised April	us Cover:	Sparse	Moderate	Deeps			



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
Wind Direction:
From to

(estimated - see chart)*

Temp (°C)

Time (0000 h) V

20.5

130

Wind Speed

Project #: 340.01 Date: 12.3uy Project Name: 220.00 State: 04 County: 52.00.00 Biologists: 183.00 Site name/#: 21	Project #: 340,01 Project Name: Legan County: Seneca Biologists: 182596 M Flyan Site name/#: 24			
2 Back	County: Senece	Project #: 340,0	Dat Dat	e; 12 July 11
1.8054	County: Seneca	Project Name:	Kepur -	
Back	Basine M. Flynn.	State:	County: Sene	Ca
Ste name#: 2	2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2	Biologists: 18	FINAN	
	441 U. 51,4 ID	Site name/#:		

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

												г	
Net/Trap/Anabat	Net/Trap Type ¹		Latitude			Longitude	nde		Length (m)	Height (m)	Time Up (0000 h)	(0000 h)	Picture #
* <	2	0 17	PCD: 01	Nu b	000	0	13.9	W"	(×)	4	20802		E/S
A		111	12 . 47	Na /	000	0	N	M _a	13-	1.5	2045		8/3
9	100	7110	1000	Nu Y	e (x	0.0	1	M _u	d	1	2040		5/8
٥	77	11	10 71.	N	2 00	00	74		2	V	2035		8/8
let Placement	Net Placement/Site Description:	7.	10 43.	2	2		100		0	0			0

Capt N	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	Wt (g)	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Picture # /Guano/Hair Sample
1	# 7		2150	T	n	7	5261	150	M	0	
1	10	Louis a second		CH.	1000	2		38	18	0	
"	,	1 10 " Jac/ Taglio		12		-		1	1.6.	1	
V		M. A. State - 1915	7.77	A.	U	i	1	30	W		
1	D.		0000	1000	12	+	15	45	×	J	
10	5	The Second		4	VV	K	(Sound	23	U	5	
-		- Mr.									11.12
×	0	T. Target									Net Seel
10	0	A Secus									Net esse
13	H	E faculta	2300	7	17	1	-	3/	1	0	
1	12	33	2362	20	F	80	123	57.	1/1	0	
1	1		300	0.0	N	3/6	127	5	111	0	

1 M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap; A = Anabat 2 Reproductive Bodge to the hard.

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

Picture # /Guano/Hair Sample Comments



BAT CAPTURE DATA (continued) Date: 12 July |

Project Nam Capt Net # # Project #:

me:	Site	Name/#:	1.7				Iu	tials:
Species	Time	me Age (Ad/Jv)	Sex (M/F)	Repro, ²	Wt (g)	RFA (mm)	Belly (F/M/E)	Belly Wing Index (F/M/E) (0-3)
2000	3330	To.)	-	5	100	0
2 - morne	100	0	1	×.	7	00	M	0
	1900	N	10	R		011	W	7)
7	Shar	1/2	-	4	15.93	75	大文	
E. Cour.	50.05		14		18.	÷	TT	0
V	3	1	19		100	500	I	7

F

1

14

10

Beaufort Wind Scale

Wind Speed (mph)

0 4-7 8-12 13-18 19-24 32-33 32-38

10/62

Parameter	Vicible Condition	Moon	Pirst
nescubnou		Feb 13	Mar 23
Cslm	Smoke rises uerically	Mar 15	Apr 21
Lahl Ale	Discolor of used shound by cerebs hist not be used used	Apr 14	May 20
Dan An	What felt on face house meths artifus using using upon mound by wind	May 13	Jun 18
Light breeze	Wind reit on lace, reaves tustie, citutiday with Valle timyed by with	Jun 12	Jul 18
Gentle Breeze	Leaves and small fwgs in constant motion; wind extends light flag		40.4
Moderate Breeze	Raises dust and loose paper, small branches are moved	LLING	Aug 16
Frach Braaya	Small trees in leaf begin to sway, crested wavelets on inland water	Aug 9	Sep 15
Otenna Benna	age become a motion talenhora wine whieller univellar used with difficulty.	Sep 8	Oct 14
STORING DIGGES	Lalye Danieles III House, eachione week misses, and the care misses.	Chr.7	Nov 13
Moderate Gale	Whole trees in motion; inconvenience in walking against wind		200
Frach Galo	Breaks twos off trees, generally impedes progress		

2010 Lunar Phases

Jane	A			Sco
Moon	Quarter	Moon	Quarter	
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.
	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (sploiching). Scarring is visible without translumination. Membrane exhibits some necrotic tissue and possibly lew 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 >0.5 cm are present in membranes. Necrotic or receding plaglopatagium and/or

BAT CAPTURE DATA

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

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

Biologists: J. Basiaer + M Flynn County: SENDECT State: OH

02 Site name/#: 465670 Camera #: Can 67 GPS Unit #: ES

MOON PHASE*

Waxing gibbous Last quarter New moon

Waning crescent Full moon

Waning gibbous First quarter Waxing crescent

	Comments													
	% Cloud Cover (estimated)	50%	40%	40%	40%	40%	400	80575	80%					
WEATHER DATA	Wind Direction: From to	l	r	1	1	1)	\						
W	Wind Speed (estimated – see chart)*	-	1	1	(7	١	1	\					
	Temp (°C)	20.9	19.61	18,8	18.6	178	18.0	18.6	6.0)	100	0.0	V)		
	Time (0000 h)		7150	7200	2230	2300	233018.	0000	6030	20100	0510	0500		

Net/Trap/Anabat #	Net/Trap Type ¹		Latitude		Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
A	fl.k.†	1	N. 5.Ch . 01	· 0	W" P. S. 9 "W	20	6	3035	200	F13
Ġ	7	0 17	Nº 1.84 . 01	000	W" 0.81 ' O	0	9	2040	202	813
0	net	0 117	N. 8. 44 . 01	600	W. 9. 61 . 0	(0)	9	2645	210	<u>∞</u>
Net Placement/Site	Site Description	014	10, ES.S. N	(S)	01 (7.7' W	0)	9	2050	215	8

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	Wt (g)	(mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
	V	Lasiurus borealis	2/30	Ad	2	7	12,5	45	M	0	870
. 1	0	Entering fusus	2230	S	M	4	17.75	96	M	0	
3	0	E. furus	2300	Ad	حدا	7/	L	-1,	Σ	0	
	6	E PINSONS	0000	Nd	14	77	N.35	47	Σ	(EXISTERS, IN TURN (R) WINS TX
IF	C	WINNER W	0000	To V	ы	70	2002	17	L	00	2
	X										7.7
	1										
= Mo	nofilamen	I M = Monofilament ON = Old Nylon NN = New Nylon HT = Ham Trap; A = Anahat	rap: A = Anabat	2 Re	productive C	2 Reproductive Condition: Female = NR/PG/L/PL: Male = ↑/↓	e = NR/PG/L/F	PL: Male = 1	71		

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



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

NET SITE HABITAT DESCRIPTION

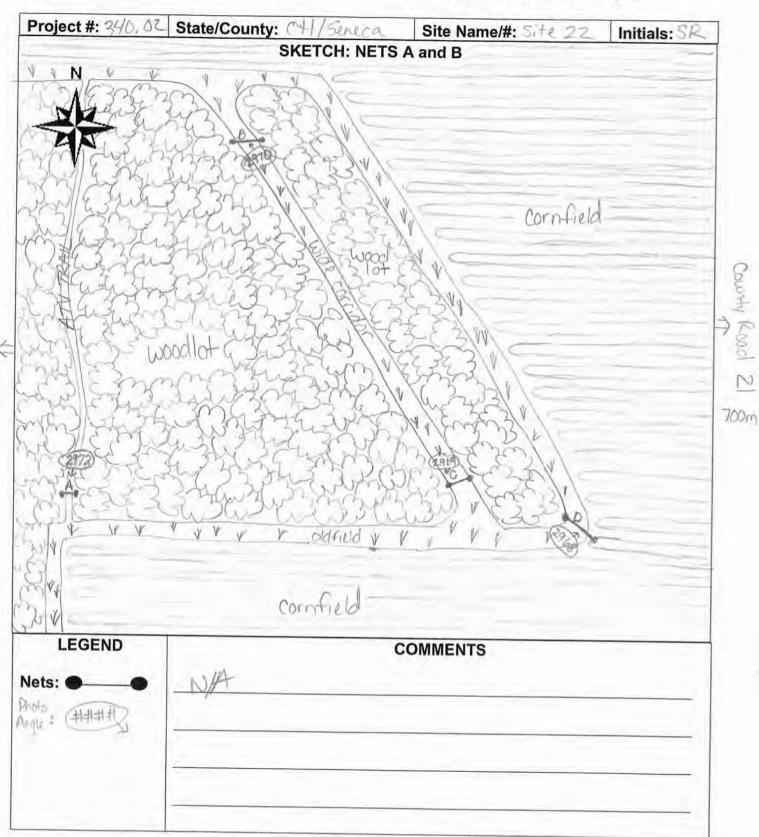
Project #: 340.0Z	Date: 14 July 201	Biologists: E Bas	SIGER S REDUCS
Project Name: Tetratoch	Republica	Site Name/#:S	122
State: OH County: _	Seneca	USGS Quad:	ir scala
Camera #: De Kodack Picture #s Latitude: 4 0 1 ' 18 Distance to closest water sour Water source name: private	3."N rce (meters): 450 m	Longitude: 82	
ESTIMATED WATER SOURCE	CE CHARACTERISTICS	S (IF UNDER NETS):	
Bank Height: N/A meters	Channel Width: N	A meters Stream	Width: MA_meters
Substratum: MABedrock _	_BoulderCobble	GravelSand	dSilt/Clay
Still Water Present (Y/N):	Average Water D	epth: Mam or cm	Clarity (H,M,L): N/A
VEGETATION:			
Dominant Canopy Species (> Acer rubrum, Acer sa		bdominant Canopy Sp wrus palustris, Ti	ecies (< 40 cm/16" dbh)
- Outrais injustrie, Au	urais olha	Fraxinus Dennsyl	Van ca
Tha amirisana, Fagus	grandi-Glin ()	Imus rubra . Ar	or sacchanul
Estimated dbh range: Lg: 80	on Sm: 40 an Est	imated dbh range: Lg	1: 39cm Sm: 15cm
Relative abundance of domina	ant vs. subdominant (ra	tio): 1:30	
Estimated canopy closure:	<u></u> ✓ Closed	Moder	ateOpen
Roost tree potential consists of	of:Large Tree	esSnags _ <u>v/</u> E	Both Neither
Roost tree potential for the are	ea is:High	<u></u> <u></u> Moder	ateLow
Roost potential comments:	Few snags Whou	on cluttered by	canapy
Subcanopy clutter:	Closed	<u></u> ✓ Moder	ateOpen
Subcanopy comprised largely	of: Lower Bra	nches ofSapling	gsShrubs
Common Subcanopy Species		ris Acur	rubrum
Habitat Description: Matur	Ar a	adjurent to con	2115
			THISTAS
27 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Connecting 11	3147	
Young Upland ForestP Mature Lowland ForestWW	ecently Logged Forest ine Plantation /oodlot/ForestEdge old Field	∠Crop/Pasture Land _Stream/River _Emergent Wetland _Forested Swamp	Shrub/scrub Swamp Vernal Pool Deepwater Lake/Pond _Other
Herbaceous Cover: Spa	rse <u>Moderate</u>	Dense	



Township Road 179 900 m

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

NET SITE HABITAT DESCRIPTION (continued)



Revised June 2007

2

BAT CAPTURE DATA

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

Project #: 340, 02 Date: 12 July 2011
Project Name: Tetrated Republic
Biologists: E. Basinar 3 RAVISite name/#: 5 to 22
State: Onlo
GPS Unit #: E9528
Camera #: £8£64k

Wind Speed % Cloud estimated – see chart)* Cover (estimated)	Comments
	/
26.97/1	
NO.82	
308	
(00,0%)	
3000	PASSA S
10(0)	hos/
5000	
20%	
SOM	
500	
1	230

or AnaBat	AnaBat Serial #		Latitude	Long	-ongitude	(m)	Height (m)	Time Up	Time Up Time Down	Picture #	Waypoint #
10-1	A	0	11 . 27,H "N	82.59	M. L'80.	9	(10.7)	2045	5/10	0166	720
NE	00		11 . 36,5 "N		07.9	***	6 4	2050	0/20	2970	333
475	0	. 17	N. 822. 11	82.59	120	0	0.0	2855	SING	AL TO	020
Mich		0 /	N. 1.27.	2.5	M. S. 50.	8	2.5	2100	0200	70108	720

elly Wing Index* Comments (0-3) Picture # /Guano/Hair Sample							When Procont		
Picture	2949	12	N/W	NIVA	2995	12	Smine Si	MA	1 1 1 1 1
Wing Index* (0-3)	0	0	0	C	0	0		0	K
Belly (F/M/E)	W	4	2	2	D	2	2	2	+
RFA (mm)						- 4			1
Wt (9)	135	(6.0)	18,5	19.5	8,0	50	17.25	6.3	1119
Repro. 2	7	>	0	70	NP	<	70	4	4
Sex (M/F)	IT	2	u	4	A	2	1	2	N. N.
Age (Ad/Jv)	Ad	Ad	AN	Ad	3	Ad	A	Ad	1
Time	2120	2150	2150	2200	2210	22/0	2210	2230	022N
Species	Estesions fusaus	E hisais	E. fishes	E. fusas	asiums borialis	E. fusquis	E. fusus	Lusas	L
Net/ Trap	ن	0	0	0	1	-	1	0	7
Capt #	_	d	1)	7	n	9		00	5

¹ Reproductive Condition: Female = NR PG L.PL: Male = ↑ → * Refer to table on the back



SR	Comments Picture # /Guano/Hair Sample	Z/Z	N/A	Z 2	*2	N/A	A Z	left wing SOOL	2957	29.62	\$2	きて	N.A.	N/A	10/4	1	; ;		Description	No damage. Fewer than 5 small scar spots are present on the membranes. Light damage. Less than 50% of fight membrane is depigmented (spiotching).	which is offerful with the control of the control o	be flawing and discolored along the majority of the botearin. Heavy damage, Deletricated wing membrane and necrotic tissue Isolated holes 0.5 cm are present in membranes. Necrotic or receding plaggopatagum and/or honoraborium are audient.
Initials: E8	Wing Index* (0-3)	0	0	0	0	0	0		0	0	0	C	0	O	0				1	No damage. F	Moderate dam (splotching) Sone necrotic bissue	Heavy damage. Deteriora >0.5 cm are present in me
Initi	Belly (F/M/E)	2	2	2	Σ	77	2	Z	7	2)	11	Ź	4	2				Score	0		2 6
	RFA (mm)	670	HA	410	817	85	7/0	46	34	36	36	710	110	4117	M							
	Wt (9)	26.0	13.1	8	17,2	20,02	17.1	21.0	9	5	1.	2 2	5	20.2	6.10							
22	Repro. ²	2	NR	4	4	>	>	70	4	70	70	2	2	0/0	ā	Ì						
Site	Sex (M/F)	1	2	2	2	2	Σ	11	1	II.	4	1	(1	L	U.	-						
Site Name/#	Age (Ad/Jv)	Pa	20	PV	A	P	104	42	P	A	Ad	You	And	13	A.							5 with difficulty
Site	Time	2236	2230	7235	7735	2250	2250	2310	23/5	2336	2220	734N	0000	000	0110		-			uc	ane moved by wind d extends light flag	re moved lets on infand water stle, umbrellas user
Lock Porchia	Spe	tosinic fichis	Liston's	Lucius	C. C.c.s	The Suit	The Assessment	Fifueric	White santentinoolis	of said Strange / a	J santakinalis	L'OCATA COLOR	- Local	Circle	A September S			*		Visible Condition	Smoke rises vertically Direction of wind showin by smoke but not by wind values Wind fell, on face, leaves ruste, ordinary, wind vaine moved by wind I waves and small winds in constant motion, wind extends light flag	Rases dust and loose paper, small branches are moved. Small trees in leaf begin to sway, crested wavelets on infand water. Large branches in motion, telephone wires whistle, umbrellas used with difficulty.
mar Taken	3	H			l.		÷		2		2	- 17))				-			Description	Calm Light Breeze Cantle Breeze	Moderate Breeze Fresh Breeze Strong Breeze
Deningt Man	Project Name; Capt Net # #	8) <	0) <	00	10) () (V.	4	-	15	200	10			į	1	Wind Speed (mph)	0 27	13-18

S

BAT CAPTURE DA

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

34

CROSTINE Site name County: Camera # Remote Date: |-| Project Name: Tetra + och GPS Unit #: FOSS Biologists: F Postupr Project #: 340, State: Cho

				-	
	Time (xxxx h)	Temp (°C)	Wind Speed (estimated – see chart)*	% Cloud Cover (estimated)	Comments
	2100	19.1	(-3	707	
- 1	2/30	18.0	1-3	20%	
	2260	16.2	0	10,001	
000	2230	55	0	156%	
1	2200	14.5	0	15%	
	2330	14.0	C	10%	
T.	0000	671	0	75U77	
T	CRAC	がが	0		
	SINS	5 8		×1.5	
	5/3/3	V TI	(V. C. S.	
	920n	2 1.1		2003	

Length Height Time Up Time Down Picture #	6.2	9 16.2 2050 0750	9 7:0 2055 0755	S. C.
Longitude	82 . 55 . 18.7 W			1
Latitude	41.º 11 . 27.4 "N		41 ° 11 ' 27.8 "N	
Net/Trap/ AnaBat Serial #	4	0	J	7
Net/Trap/ or AnaBat	ナララ	ナラフ	ナラ	York

Waypoint #

137

Chestal.

3

MARKINGA

DEVENDRANCE DA

1 virials

Si v

manish words norman

033

Net Placement/Site Description:

	Time	(Ad/Jv)	(MIF)	vebio.	(b)	(mm)	(F/M/E)	wing index (0-3)	
Sous	2120	3	4	70	18.8	47	17)	6	
Hrionells.	2/40	Ad	U	70	000	34	W)	-Dar
	240	Ad	2	->	14.10	14	T	0	NA
· ·	2145	Ad	IL	76	76	45	Z	0	N/2
	2155	AN	4	10	17,0	410	2	0	MA
5	2200	Pol	1	S	89	de	I	0	12
10	2200	Ad	4						0000
9	2260	B	2	->	17.0		Σ		AZ
5,00	225		1					1	TOT

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



C.K.	Comments Picture # /Guano/Hair Sample	NA	hold mirthson	N/A	1	N/A	Z/Z	N/W	\$2	N.A.	\$2	Z/Z					Description	No damage. Fewer than 5 small scar spots are present on the membranes. Light damage. Less than 50% of flight membrane is depigmented (sploithing).	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (splotching). Scaring is visible without translumination. Membrane exhibits some capital some of the control o	necroic basie and possibly lew shall riches you our uterready. To come among the faking and discolored along the majority of the forearm. Heavy damage. Deteriorated wing membrane and necroic fissue, isolated holes	mbranes, ivectors o	Page 2 of 2
Initials: F /	Wing Index* (0-3)	0		C	0	0	d	0	C	0	0	0						No damage. Fe Light damage.	Moderate dams (splotching). Sc	be flaking and o	>0.5 cm are present in me chiropatagium are evident	
Initi	Belly (F/M/E)	2	u	2	1(1)	Σ	2	Z	Z	2	2	Σ					Score	0		2	69	
	RFA (mm)	10	15	1/2/	2 1	00	35	380	4/0	14	42	14										
	(g)	15.55	17.9	1	300	18.7	10	17.8	17.2	1.07	V 6	33					4					
22	Repro. ²	1	1	NON	LG	70	1	Td	->	1	a/Z	70		+			1					
275	Sex (M/F)	1	4	1:1:	LIL	4	1	u	2	2	17	-U					1		111			1
Site Name/#:	Age (Ad/Jv)	Ao	PA	1	V	Pol	1	V	P	MA	1	DO							p	5 5	ed with difficulty	-
Site	Time	2220	2220	180	2250	2250	2256	2250	230	22/0	MAN	3350	-	-1	1 =1	-	4	dition	y wind vanes nd vane moved by wit	wind extends light fla- es are moved avelets on inland wat	whistle, umbrellas us	JIKING GRAMISI WILL
ヤヤ	Species	Isins feeles	ty Sar	4,150,00	Sapermondis	Survivo corpora	いっとうもまたか	- Eustrus	The Court	L. Luzani	Chronical Control	Directo 115				1		Visible Condition	Smoke rises vertically Direction of wind shown by smoke but not by wind varies wind wind the majore make ordinary wind varie moved by wind	Leaves and small twops or constant mobion, wind extends light flag. Raises dust and loose paper, small branches are moved count work with the paper in early workels to middle water.	Large branches in motion, telephone were whistle, umbrellas used with difficulty	Whole trees in motion, inconvenience in walking against while
e: Totro		Lot	اسار	- (L	2	1	2	- 1-1	,		-							Description	Calm Light Air	Gentle Breeze Moderate Breeze	Strong Breeze	Moderate Gale
Project Name:	Capt Net	0	0	2	00	00	0 =	D C	20	ic.	16							Wind Speed (mph)	-	1	25-31	

This foregoing document was electronically filed with the Public Utilities

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12/26/2018 3:16:54 PM

in

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

Summary: Application Exhibit Q Part 4 of 8 electronically filed by Teresa Orahood on behalf of Dylan F. Borchers