



BAT CAPTURE DATA

Project #: 340.01 Date: 22 July 11
 Project Name: Republic
 State: OH County: Seneca
 Biologists: J. Basig
 Site name/ID: 30
 GPS Unit #: 851 455670 Camera #: can 67

MOON PHASE*

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

WEATHER DATA

Time (0000 h)	Temp (°C)	Wind Speed (estimated - see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2100	24.5	1-3		40	
2130	24.3	1-3		50	
2200	24.1	1-3		50	
2230	24.1	1-3		50	
2300	24.0	1-3		50	
2330	24.0	1-3		70	
0000	24.0	1-3		100	
0030	23.9	1-3		100	
			Rain Out		

Net/Trap/Anabat #	Net/Trap Type ¹	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
A	N	41° 09' 12.1" N	82° 55' 33.6" W	12	9	2045	0025	910
B	N	41° 09' 11.6" N	82° 55' 34.6" W	6	6	2050	0035	909
C	N	41° 09' 10.6" N	82° 55' 34.0" W	9	6	2055	0030	908
P	N	41° 09' 09.2" N	82° 55' 35.3" W	6	6	2100	0030	906

Net Placement/Site Description:

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	Wt (g)	RFA (mm)	Belly (FIM/E)	Wing Index* (0-3)	Picture # (Guano/Hair Sample)	Comments
1	D	Lasiurus borealis	2125	Jv	F	NA	12.0	40	E	0		
2	A	Eptesicus fuscus	2145	Jv	M	V	15.25	44	M	1		
3	A	E. fuscus	2145	Ad	M	↓	19.25	42	M	0		
4	A	E. fuscus	2145	Ad	F	PL	19	44	M	0		
5	A	E. fuscus	2145	Ad	F	PL	20.5	47	M	0		
6	A	E. fuscus	2230	Ad	F	PL	19.75	46	M	0		
7	A	E. fuscus	2230	Jv	M	↑	17	45	M	0		
8	A	E. fuscus	2230	Jv	M	↑	15.25	42	F	0		
9	D	E. fuscus	2230	Ad	F	PL	18.25	47	M	0		
10	B	E. fuscus	2230	Ad	F	PL	20	46	M	0		

* M = Monoflament, 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



BAT CAPTURE DATA (continued)

Project #: 340.01

Date: 22 Jun 11

Project Name:

Site Name#: 30

Initials:

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments	Picture # /Guano/Hair Sample
11	D	E. fuscus	2230	Ad	F	PL	21.5	42	F	1		
12	D	E. fuscus	2230	Ad	F	PL	20.75	44	M	0		
13	D	E. fuscus	2230	JV	M	↑	11.25	42	M	0		
14	D	E. fuscus	2230	JV	F	NR	15.25	45	F	0		
15	A	E. fuscus	2300	Ad	M	↑	17.5	41	F	0		
16	A	E. fuscus	2300	JV	F	NR	13	40	M	0		
17	A	E. fuscus	2300	JV	F	NR	17.25	43	M	0		
18	A	E. fuscus	2300	JV	F	NR	24.75	53	E	0		
19	A	E. fuscus	2300	Ad	F	PL	24.5	50	F	0		
20	D	E. fuscus	2300	Ad	I	PL	18	46	M	0		
21	D	E. fuscus	2300	JV	F	NR	18.5	49	F	0		
22	A	E. fuscus	2300	Ad	F	PL	21.5	49	F	0		
23	A	E. fuscus	2300	Ad	M	↓	-	47	M	0		
24	A	E. fuscus	2300	Ad	M	↓	-	47	M	0		
25	A	E. fuscus	2300	JV	F	NR	-	47	F	0		
26	A	E. fuscus	2300	JV	F	NR	7.5	45	M	0		
27	A	E. fuscus	2300	JV	F	NR	15	43	M	0		
28	A	E. fuscus	2300	Ad	M	↓	18.5	42	M	0		
29	A	E. fuscus	2300	JV	F	NR	16.5	44	M	0		

Beaufort Wind Scale

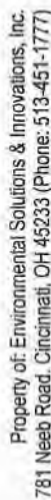
Wind Speed (mph)	Description	Visible Condition
0	Calm	Smoke rises vertically
1-3	Light Air	Direction of wind shown by smoke but not by wind vanes
4-7	Light Breeze	Wind felt on face; leaves rustle; ordinary wind vane moved by wind
8-12	Gentle Breeze	Leaves and small twigs in constant motion; wind extends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

2010 Lunar Phases

New Moon	First Quarter	Full Moon	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 26	Jul 4
Jun 12	Jul 18	Jul 25	Aug 2
Jul 11	Aug 16	Aug 24	Sep 1
Aug 9	Sep 16	Sep 23	Sep 30
Sep 8	Oct 14	Oct 22	Oct 30
Oct 7	Nov 13	Nov 21	Nov 28

Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
1	Light damage. Less than 50% of flight membrane is depigmented (spotting), which is often visible only with transillumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (spotting). Scarring is visible without transillumination. 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.
3	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or chiroptagium are evident.



Project #: 340.01 Date: 22 Jul 2011

Date: 22 Jul 2011

Project #: 340.01

Project Name: Rowley Site Name#: _____

Site Name/#: 30

Initials: _____

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Picture # /Guano/Hair Sample	Comments
30	A	E. fuscus	2340	JV	M	✓	1825	48	M	0		
31	A	E. fuscus	2346	JV	F	NR	1925	47	F	0		
32	C	M. lotis septentrionalis	0600	JV	F	NR	7	36	E	0		
33	D	M. septentrionalis	0605	Ad	F	PL	7.5	36	M	0		
34	A	E. fuscus	0605	JV	F	NR	6.5	42	M	0		
35	A	E. fuscus	0615	Ad	F	PL	2525	47	M	0		
36	A	M. septentrionalis	0615	JV	M	✓	525	33	E	0		

2010 Lunar Phases

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

New Moon	First Quarter	Full Moon	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 26	Jul 2
Jun 12	Jul 18	Jul 25	Aug 2
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Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
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3	Heavy damage. Detached wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiopapillae and/or rhinocerosium are evident.



BAT CAPTURE DATA

Project #: 346.01 Date: 24 Jul 11
Project Name: Republia
State: OH County: Seneca
Biologists: J. Basore, M. Flynn
Site name#: 30
GPS Unit #: 35145670 Camera #: cam 671

MOON PHASE*

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

WEATHER DATA

Time (0000 h)	Temp (°C)	Wind Speed (estimated - see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
0100	25.1	0	-	40%	
0200	24.3	0	-	40%	
0300	23.8	0	-	40%	
0400	23.1	0	-	40%	
0500	23.1	0	-		
0600	22.9	0	-		
0700	22.7	0	-		
0800	22.4	0	-		
0900	22.2	0	-		
1000	22.1	0	-	100%	
1100	22.2	0	-	100%	
1200	22.2	0	-		
1300	22.2	0	-		
1400	22.2	0	-		
1500	22.2	0	-		
1600	22.2	0	-		
1700	22.2	0	-		
1800	22.2	0	-		
1900	22.2	0	-		
2000	22.2	0	-		
2100	22.2	0	-		
2200	22.2	0	-		
2300	22.2	0	-		
2400	22.2	0	-		
2500	22.2	0	-		
2600	22.2	0	-		
2700	22.2	0	-		
2800	22.2	0	-		
2900	22.2	0	-		
3000	22.2	0	-		
3100	22.2	0	-		
3200	22.2	0	-		
3300	22.2	0	-		
3400	22.2	0	-		
3500	22.2	0	-		
3600	22.2	0	-		
3700	22.2	0	-		
3800	22.2	0	-		
3900	22.2	0	-		
4000	22.2	0	-		
4100	22.2	0	-		
4200	22.2	0	-		
4300	22.2	0	-		
4400	22.2	0	-		
4500	22.2	0	-		
4600	22.2	0	-		
4700	22.2	0	-		
4800	22.2	0	-		
4900	22.2	0	-		
5000	22.2	0	-		
5100	22.2	0	-		
5200	22.2	0	-		
5300	22.2	0	-		
5400	22.2	0	-		
5500	22.2	0	-		
5600	22.2	0	-		
5700	22.2	0	-		
5800	22.2	0	-		
5900	22.2	0	-		
6000	22.2	0	-		
6100	22.2	0	-		
6200	22.2	0	-		
6300	22.2	0	-		
6400	22.2	0	-		
6500	22.2	0	-		
6600	22.2	0	-		
6700	22.2	0	-		
6800	22.2	0	-		
6900	22.2	0	-		
7000	22.2	0	-		
7100	22.2	0	-		
7200	22.2	0	-		
7300	22.2	0	-		
7400	22.2	0	-		
7500	22.2	0	-		
7600	22.2	0	-		
7700	22.2	0	-		
7800	22.2	0	-		
7900	22.2	0	-		
8000	22.2	0	-		
8100	22.2	0	-		
8200	22.2	0	-		
8300	22.2	0	-		
8400	22.2	0	-		
8500	22.2	0	-		
8600	22.2	0	-		
8700	22.2	0	-		
8800	22.2	0	-		
8900	22.2	0	-		
9000	22.2	0	-		
9100	22.2	0	-		
9200	22.2	0	-		
9300	22.2	0	-		
9400	22.2	0	-		
9500	22.2	0	-		
9600	22.2	0	-		
9700	22.2	0	-		
9800	22.2	0	-		
9900	22.2	0	-		
10000	22.2	0	-		

Net/Trap/Anabat #	Net/Trap Type ¹	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
1	100	41° 09' 18.1" N	42° 55' 33.6" W	12	4	2040	0200	910
2	100	41° 09' 11.6" N	42° 55' 34.6" W	6	6	2045	0205	909
3	100	41° 09' 10.6" N	42° 55' 34.0" W	9	6	2050	0210	908
4	100	41° 09' 09.2" N	42° 55' 33.3" W	16	1	2055	0215	906

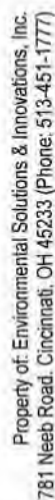
Net Placement/Site Description:

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Picture # /Guano/Hair Sample	Comments
1	A	<i>Logan's</i>	2200	JV	F	NA	11.25	31	E	0		
2	A	<i>E. fuscus</i>	2200	JV	F	NA	15.75	49	M	0	172.500	1611 4x4x300 = 16
3	A	<i>E. fuscus</i>	2200	Ad	F	PL	20	47	F	0		
4	A	<i>E. fuscus</i>	2200	JV	M	↑	17.25	45	M	0		
5	A	<i>E. fuscus</i>	2200	Ad	M	↑	17	45	F	0		
6	A	<i>L. borealis</i>	2200	Ad	M	V	14	49	F	0		
7	A	<i>L. cinereus</i>	2200	JV	F	NA	24	53	F	0		
8	D	<i>E. fuscus</i>	2245	Jv	F	NA	15.25	47	M	0		
9	A	<i>E. fuscus</i>	2245	Jv	M	↑	16.25	45	M	0		
10	D	<i>M. fuscus</i>	2300	JV	F	NA	6	37	M	0		

* 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



Project #:

Date: _____

Project Name:

Site Name/#:

Initials:

Beaufort Wind Scale2010 Lunar Phases

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

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
1	Light damage. Less than 50% of flight membrane is depigmented (spotching), which is often visible only with transillumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (spotching). Scarring is visible without transillumination. 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.
3	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plegioptapalium and/or other lesions are evident.



BAT CAPTURE DATA

Project #: 340.01 Date: 26 Jul 11
Project Name: Republic
State: OH County: Seneca
Biologists: J. Basiger, J. Kleinhans
Site name#: 30
GPS Unit #: ES465670 Camera #: cam 671

MOON PHASE*

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

WEATHER DATA

Time (0000 h)	Temp (°C)	Wind Speed (estimated - see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2120	23.3	—	—	50	
2130	22.5	—	—	50	
2200	21.7	—	—	0	
2230	21.1	—	—	0	
2300	20.5	—	—	0	
2330	19.9	—	—	50	
0000	19.9	—	—	25	
0030	19.8	—	—	0	
0100	19.5	—	—	0	
0130	19.4	—	—	0	
0200	19.1	—	—	0	

Net/Trap/Anabat #	Net/Trap Type ¹	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
A		41° 09' 12.1" N	92° 55' 33.6" W	12	9	2040	0150	910
B		41° 09' 11.6" N	92° 55' 34.6" W	6	6	2045	0155	909
C		41° 09' 10.6" N	92° 55' 34.0" W	9	6	2050	0200	908
D		41° 09' 09.2" N	92° 55' 33.3" W	6	6	2055	0205	906

Net Placement/Site Description:

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
1	A	<i>Eptesicus fuscus</i>	2030	AP	M	+	15.25	45	E	0	
2	A	<i>E. fuscus</i>	2030	JV	F	NA	14.75	46	M	0	
3	A	<i>E. fuscus</i>	2200	AD	M	+	14.50	47	E	0	
4	A	<i>E. fuscus</i>	2200	AP	F	PL	19.50	50	M	0	
5	A	<i>E. fuscus</i>	2202	AD	F	PL	16.00	43	E	0	
6	A	<i>E. fuscus</i>	2203	AD	F	PL	20.00	49	E	1	
7	A	<i>E. fuscus</i>	2203	JV	F	NA	17.75	47	E	0	
8	D	<i>E. fuscus</i>	2230	AD	M	+	16.50	45	M	0	
9	A		2230	AD	M	+	16.50	44	F	0	
10	A		2230	AD	M	+	17.00	46	F	0	

¹ M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap, A = Anabat

* Refer to table on the back

² Reproductive Condition: Female = NP/PG/LPL, Male = 7/4



BAT CAPTURE DATA (continued)

Project #: 340.01

Date: 26 Jun 11

Project Name:

Site Name/ID: 30

Initials:

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Picture #	Comments
11	A		23:50	JV	M	A	13.00	45	M	0		
12	D		23:50	AD	M	A	16.50	46	M	0		
13	F		23:50	JV	F	NA	16.50	46	M	0		
14	A		23:55	AD	M	A	15.75	43	M	0		
15	A		23:55	JV	F	NA	16.75	45	M	0		
16	A		23:56	JV	M	A	12.75	41	M	0		
17	A		23:50	AD	M	A	15.00	42	M	0		
18	D		23:10	JV	F	NA	18.00	50	F	0		
19	D		23:10	AD	F	PL	17.25	44	M	0		
20	A		23:11	AD	M	A	15.80	47	M	0		
21	A		23:30	AD	F	PL	21.00	49	M	0		
22	A		23:30	AD	F	PL	16.25	45	M	0		
23	A		23:30	JV	F	NA	13.00	46	M	0		
24	A		23:30	AD	F	PL	20.00	45	M	0		
25	A		23:30	JV	F	NA	14.25	44	M	0		
26	A	Lasius brunneus	23:30	JV	F	NA	7.00	40	E	0		
27	A		23:30	AD	F	PL	21.50	48	F	0		
28	A		23:50	AD	F	PL	18.00	45	M	0		
29	A		23:30	AD	M	A	16.50	46	E	0		

Beaufort Wind Scale

Wind Speed (mph)	Description	Visible Condition
0	Calm	Smoke rises vertically
1-3	Light Air	Direction of wind shown by smoke but not by wind vanes
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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 twigs off trees; generally impedes progress

2010 Lunar Phases

New Moon	First Quarter	Full Moon	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 26	Jul 4
Jun 12	Jul 18	Jul 25	Aug 2
Jul 11	Aug 16	Aug 24	Sep 1
Aug 9	Sep 15	Sep 23	Sep 30
Sep 8	Oct 14	Oct 22	Oct 30
Oct 7	Nov 13	Nov 21	Nov 28

Wing Index Key

Score	Description
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1	Light damage. Less than 50% of flight membrane is depigmented (spotting), which is often visible only with transillumination.
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BAT CAPTURE DATA (continued)

Project #: 340.01

Date: 26 Jun -11

Project Name:

Site Name/ID: 30

Initials:

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. 2	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
30	A		23:35	AD	F	NA	22.00	48	F	0	
31	A		23:36	Jv	M	+	15.00	44	F	0	
32	A		23:36	AD	M	+	17.00	47	F	0	
33	A		23:38	AD	M	+	17.00	48	M	0	
34	A		23:39	Jv	M	+	17.50	46	M	0	
35	A		23:40	Jv	F	NA	16.25	41	M	0	
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
46											
47											
48											

Beaufort Wind Scale

Wind Speed (mph)	Description	Visible Condition
0	Calm	Smoke rises vertically
1-3	Light Air	Direction of wind shown by smoke but not by wind vanes
4-7	Light Breeze	Wind felt on face; leaves rustle; ordinary wind vane moved by wind
8-12	Gentle Breeze	Leaves and small twigs in constant motion; wind extends light flag
13-18	Moderate Breeze	Raises dust and loose paper; small branches are moved
19-24	Fresh Breeze	Small trees in leaf begin to sway; crested wavellets 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 twigs off trees; generally impedes progress

2010 Lunar Phases

New Moon	First Quarter	Full Moon	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 26	Jul 4
Jun 12	Jul 18	Jul 25	Aug 2
Jul 11	Aug 16	Aug 24	Sep 1
Aug 9	Sep 15	Sep 23	Sep 30
Sep 8	Oct 14	Oct 22	Oct 30
Oct 7	Nov 13	Nov 21	Nov 28

Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes.
1	Light damage. Less than 50% of flight membrane is depigmented (spotting), which is often visible only with transillumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (spotting). Scarring is visible without transillumination. 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.
3	Heavy damage. Detached wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or chiroptagium are evident.



NET SITE HABITAT DESCRIPTION

Project #: 340.01 Date: 27 Jul 11 Biologists: J. Basiger
Project Name: Republic Site Name/#: 31
State: OH County: Seneca USGS Quad: Fireside

Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	Latitude	Longitude	Picture #	Waypoint #
<u>A</u>	<u>N</u>	<u>41° 09' 13.8" N</u>	<u>82° 59' 23.8" W</u>	<u>905</u>	
<u>B</u>	<u>N</u>	<u>41° 09' 13.2" N</u>	<u>82° 59' 21.7" W</u>	<u>902</u>	
<u>C</u>	<u>N</u>	<u>41° 09' 11.9" N</u>	<u>82° 59' 21.2" W</u>	<u>903</u>	
<u>D</u>	<u>N</u>	<u>41° 09' 12.8" N</u>	<u>82° 59' 19.6" W</u>	<u>904</u>	

Distance to closest water source (meters): 500 Type of water source: Pond
Water source name: N/A

ESTIMATED WATER SOURCE CHARACTERISTICS (IF UNDER NETS): N/A

Bank Height: _____ meters Channel Width: _____ meters Stream Width: _____ meters
Substratum: _____ Bedrock _____ Boulder _____ Cobble _____ Gravel _____ Sand _____ Silt/Clay
Still Water Present (Y/N): _____ Average Water Depth: _____ m or cm Clarity (H,M,L): _____

VEGETATION:

Dominant Canopy Species (> 40 cm/16" dbh) Carya ovata Subdominant Canopy Species (< 40 cm/16" dbh) Carya ovata
Acer rubrum Acer rubrum

Estimated dbh range: Lg: 60 Sm: 40 Estimated dbh range: Lg: 39 Sm: 10

Relative abundance of dominant vs. subdominant (ratio): _____

Estimated canopy closure: ☒ Closed _____ Moderate _____ Open
Roost tree potential consists of: ☒ Large Trees _____ Snags _____ Neither
Roost tree potential for the area is: _____ High ☒ Moderate _____ Low

Roost potential comments: Large number of Carya ovata

Subcanopy clutter: ☒ Closed _____ Moderate _____ Open
Subcanopy comprised largely of: ☒ Lower Branches of Canopy Trees ☒ Saplings _____ Shrubs

Common Subcanopy Species: Acer rubrum
Fagus grandifolia

Habitat Description: Large woodlot with fields on 3 sides
AnaBat Habitat: N/A

Check all that apply:

☐ Mature Upland Forest ☐ Recently Logged Forest ☒ Crop/Pasture Land _____ Other _____
☐ Young Upland Forest ☒ Forest Edge _____ Stream/River _____
☐ Mature Lowland Forest ☒ Woodlot _____ Vernal Pool _____
☒ Young Lowland Forest ☐ Old Field _____ Deepwater Lake/Pond _____

Herbaceous Cover: _____ Sparse ☒ Moderate _____ Dense



NET SITE HABITAT DESCRIPTION (continued)

Project #: 310.01	State/County: OH/Seneca	Site Name/#: 31	Initials:
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SKETCH: NETS A and B
and AnaBat (if used)



LEGEND

Nets: ● — ●

House = House

COMMENTS



BAT CAPTURE DATA

Project #: 340.01 Date: 25 July 11
Project Name: Republic
State: OH County: Seneca
Biologists: J. Basiger
Site name/ID: 31
GPS Unit #: 751 465670 Camera #: 060671

MOON PHASE*

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

WEATHER DATA

Time (0000 h)	Temp (°C)	Wind Speed (estimated - see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2100	24.9	—	—	0%	
2130	24.1	—	—	0%	
2200	23.1	—	—	0%	
2230	22.8	—	—	0%	
2300	22.7	—	—	0%	
2330	22.3	—	—	0%	
0000	21.7	—	—	0%	
0030	—	—	—	—	
0100	—	—	—	—	
0130	—	—	—	—	
0200	21.4	—	—	—	

Net/Trap/Anabat #	Net/Trap Type ¹	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
A	N	41° 09' 13.8" N	82° 59' 23.6" W	6	6	2045	0150	905 ✓
B	N	41° 09' 13.2" N	82° 59' 21.7" W	9	9	2050	0155	902 ✓
C	N	41° 09' 11.4" N	82° 59' 21.2" W	6	6	2055	0205	903 ✓
D	N	41° 09' 12.6" N	82° 59' 19.6" W	9	6	2100	0210	904 ✓

Net Placement/Site Description:

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Picture # /Guano/Hair Sample	Comments
1	C	<i>Eptesicus fuscus</i>	2130	Ad	F	PL	16.25	44	F	0		
2	B	<i>E. fuscus</i>	2210	Jv	F	NA	16.5	47	M	0		
3	A	<i>E. fuscus</i>	2215	Jv	M	↑	15.5	46	M	0		
4	A	<i>E. fuscus</i>	2215	Jv	M	↑	14.25	45	M	0		
5	B	<i>E. fuscus</i>	2310	Ad	M	V	17.5	41	M	0		
6	C	<i>E. fuscus</i>	0050	Ad	M	↑	16.25	45	M	0		
7	C	<i>E. fuscus</i>	0130	Jv	M	↑	15.00	44	M	0		
8	B	<i>Lasiurus borealis</i>	0130	Jv	F	N/A	10	44	M	0		

¹ 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



MOON PHASE*

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

First quarter
Waning gibbous

WEATHER DATA

WEATHER DATA					
Time (0000 h)	Temp (°C)	Wind Speed (estimated - see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2100	26.1	—	—	100	
2130	25.9	—	—	100	
2200	25.8	—	—	100	
2230	25.5	—	—	100	
2300	25.1	—	—	100	
2330	24.8	1-3	NW-SE	100	
0000	24.1	1-3	W-E	100	
0030	24.4	1-3	W-E	100	
0100	25.2	1-3	NW-SE	100	
0130	25.7	1-3	NW-SE	100	
0200	25.6	4-7	W-E	100	

Net/Trap/Anabat #	Net/Trap Type ¹	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
A	N	41° 09' 13.4" N	89° 59' 30.6" W	6	6	2040	0145	903 ✓
B	N	41° 09' 13.2" N	89° 59' 31.7" W	9	9	2045	0150	902 ✓
C	N	41° 09' 11.4" N	89° 59' 31.2" W	9	6	2050	0155	903 ✓
P		41° 09' 12.4" N	89° 59' 19.6" W	6	6	2055	0155	904 ✓

Net Placement/Site Description:

[illegible]

¹ 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



NET SITE HABITAT DESCRIPTION

Project #: 340

Date: 28 July 2011

Biologists: E. Basiger & A. Klemm

Project Name: Republic Wind

Site Name/#: 32

State: OH County: Seneca

USGS Quad: Fireside

Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	Latitude	Longitude	Picture #	Waypoint #
A	NTN	41° 13' 02.3 "N	82° 54' 29.7 "W	3096	340A32
B	NTN	41° 13' 04.5 "N	82° 54' 29.8 "W	3100	340B32
C	NTN	41° 13' 05.9 "N	82° 54' 29.4 "W	3099	340C32
D	NTN	41° 13' 05.1 "N	82° 54' 27.7 "W	3098	340D32

Distance to closest water source (meters): 300

Type of water source: stream

Water source name: _____

ESTIMATED WATER SOURCE CHARACTERISTICS (IF UNDER NETS): N/A

Bank Height: _____ meters Channel Width: _____ meters Stream Width: _____ meters

Substratum: _____ Bedrock _____ Boulder _____ Cobble _____ Gravel _____ Sand _____ Silt/Clay

Still Water Present (Y/N): _____ Average Water Depth: _____ m or cm Clarity (H,M,L): _____

VEGETATION:

Dominant Canopy Species (> 40 cm/16" dbh)

Quercus alba
Quercus rubra

Subdominant Canopy Species (< 40 cm/16" dbh)

Prunus serotina

Estimated dbh range: Lg: 25 Sm: 50

Estimated dbh range: Lg: 40 Sm: 10

Relative abundance of dominant vs. subdominant (ratio): 1/1

Estimated canopy closure: ☒ Closed _____ Moderate _____ Open

Roost tree potential consists of: ☒ Large Trees ☒ Snags _____ Neither

Roost tree potential for the area is: _____ High _____ Moderate ☒ Low

Roost potential comments: Tight bark

Subcanopy clutter: _____ Closed ☒ Moderate _____ Open

Subcanopy comprised largely of: _____ Lower Branches of Canopy Trees ☒ Saplings _____ Shrubs

Common Subcanopy Species: Ulmus americana

Prunus serotina

Habitat Description: Lowland

AnaBat Habitat: N/A

Check all that apply:

☒ Mature Upland Forest _____ Recently Logged Forest ☒ Crop/Pasture Land _____ Other _____
☐ Young Upland Forest ☒ Forest Edge _____ Stream/River _____
☐ Mature Lowland Forest ☒ Woodlot _____ Vernal Pool _____
☐ Young Lowland Forest _____ Old Field _____ Deepwater Lake/Pond _____

Herbaceous Cover: _____ Sparse ☒ Moderate _____ Dense



NET SITE HABITAT DESCRIPTION (continued)

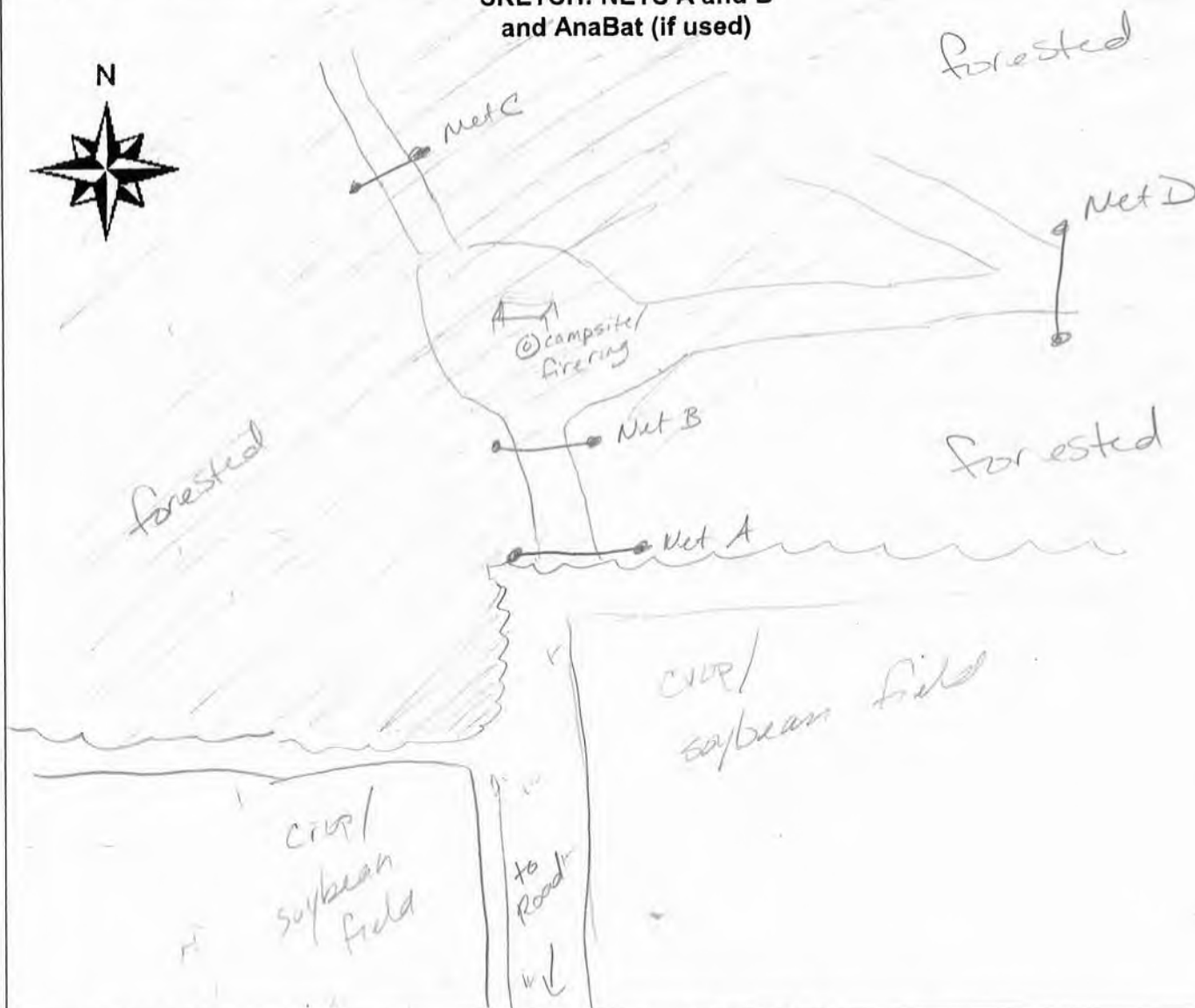
Project #: 340

State/County: OH/Seneca

Site Name/#: 32

Initials: SCB

SKETCH: NETS A and B and AnaBat (if used)



LEGEND

COMMENTS

Nets: ● — ●



BAT CAPTURE DATA

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

Project #: 340 Date: 28 July 2011
Project Name: Republic-Wind
State: OH County: Saraco
Biologists: E. Basore, A. Kleinhenz
Site name #: 32
GPS Unit #: 7 Camera #: 500

MOON PHASE*

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

WEATHER DATA

Time (0000 h)	Temp (°C)	Wind Speed (estimated - see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2130	24.8°C	1-3	SW - NE		WU 100% N
2200	25.0°C	1-3	SW - NE		
2230	25.4°C	1-3	SW - NE		
2300	25.4°C	1-3	N - E		
2330	25.3°C	1-3	SW - NE		
2400	25.1°C	1-3	SW - NE		
2430	25.1°C	1-3	SW - NE		
2500	25.0°C	1-3	SW - NE		
2530	25.0°C	1-3	SW - NE		
2600	24.8°C	1-3	SW - NE		

Net/Trap/Anabat #	Net/Trap Type ¹	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
A	NU	41° 13' 02.3" N	82° 54' 29.7" W	12	7	2030	6145	3096
B	NU	41° 13' 04.5" N	82° 54' 29.8" W	9	6	2035	6152	3100
C	NU	41° 13' 05.9" N	82° 54' 29.4" W	14	6	2040	6155	3099
D	NU	41° 13' 05.1" N	82° 54' 29.7" W	9	6	2045	6200	3098

Net Placement/Site Description:

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Picture # / Guano/Hair Sample	Comments
1	A	Lasiorus Bealei	2123	Jv	M	NR	8.5g	47mm	F	0	3101-3104	
2	A	Eptesicus Fuscus	2130	Jv	F	NR	10.0g	48mm	E	1	3105 & 1106	
3	A	Eptesicus Fuscus	2252	Jv	F	NR	21.3g	49mm	F	1		
4	A	Eptesicus Fuscus	2242	Jv	M	NR	14.0g	45mm	M	0		
5	A	Eptesicus Fuscus	2250	Jv	F	NR	10.0g	47mm	F	0		
6	A	Eptesicus Fuscus	2244	Jv	M	NR	15.5g	48mm	M	1		
7	A	Eptesicus Fuscus	2338	Jv	M	NR	15.5g	49mm	M	1		
8	A	Eptesicus Fuscus	2341	Jv	F	NR	11.0g	45mm	M	3		
9	A	Eptesicus Fuscus	2344	Jv	M	NR	15.5g	46mm	F	0		
10	A	Eptesicus Fuscus	2416	Jv	F	NR	15.0g	49mm	F	0		

* M = Monofilament, ON = Old Nylon, NN = New Nylon, HT = Harp Trap, A = Anabat

² Reproductive Condition: Female = NR(PG)/PL; Male = 7/4



BAT CAPTURE DATA (continued)

Project #:

Date:

Project Name:

Site Name/ID:

Initials:

Capt #	Net #	Species	Time	Age (AdJuv)	Sex (M/F)	Repro. ²	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Comments Picture # /Guano/Hair Sample
11	A	Lasiurus borealis	2416	Ju	F	NR	11.0g	39mm	M	0	
12	C	Myotis septentrionalis	2419	Ad	F	PL	7.0g	36mm	E	0	3122-3125
13	C	Myotis septentrionalis	2423	Ju	M	NR	5.5g	35mm	M	0	
14	A	Eptesicus fuscus	2454	Ju	F	NR	16.0g	45mm	M	0	
15	B	Eptesicus fuscus	2457	Ju	M	NR	16.5g	46mm	M	0	
16	B	Eptesicus fuscus	2458	Ju	M	NR	15.5g	45mm	M	1	Not a lot of hair
17	D	Eptesicus fuscus	0001	Ju	M	NR	15.5g	45mm	M	0	
18	D	Eptesicus fuscus	0004	Ad	F	PL	20.0g	49mm	F	0	
19	D	Eptesicus fuscus	0008	Ju	M	NR	16.0g	45mm	M	0	
20	D	Eptesicus fuscus	0009	Ju	M	NR	17.0g	47mm	F	0	
21	C	Eptesicus fuscus	0025	Ju	F	NR	18.5g	47mm	F	0	
22	D	Eptesicus fuscus	0027	Ju	M	NR	14.0g	46mm	M	0	
23	D	Lasiurus borealis	0057	Ju	F	NR	14.5g	44mm	M	0	
24	A	Lasiurus borealis	0115	Ju	F	NR	50.0g	41mm	E	0	
25	A	Eptesicus fuscus	0158	Ju	M	NR	15.0g	46mm	M	0	

Beaufort Wind Scale

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

2010 Lunar Phases

New Moon	First Quarter	Full Moon	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 26	Jul 4
Jun 12	Jul 18	Jul 25	Aug 2
Jul 11	Aug 16	Aug 24	Sep 1
Aug 9	Sep 15	Sep 23	Sep 30
Sep 8	Oct 14	Oct 22	Oct 30
Oct 7	Nov 13	Nov 21	Nov 28

Wing Index Key

Score	Description
0	No damage. Fewer than 5 small scar spots are present on the membranes
1	Light damage. Less than 50% of flight membrane is depigmented (spotting), which is often visible only with transillumination.
2	Moderate damage. Greater than 50% of wing membrane covered with scar tissue (spotting). Scarring is visible without transillumination. 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.
3	Heavy damage. Deteriorated wing membrane and necrotic tissue. Isolated holes >0.5 cm are present in membranes. Necrotic or receding plagiopatagium and/or chiroptagium are evident.



BAT CAPTURE DATA

Project #: 340.01 Date: 7/30/11
 Project Name: _____
 State: OH County: Seneca
 Biologists: A. Knivsek
 Site name/#: 32
 GPS Unit #: 7 Camera #: Erica

MOON PHASE*

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

WEATHER DATA

Time (0000 h)	Temp (°C)	Wind Speed (estimated - see chart)*	Wind Direction: From to	% Cloud Cover (estimated)	Comments
2130	23.3	1-3		30%	
2200	22.6	0		30	
2230	22.7	0		20	
2300	22.0	0		20	
2330	21.7	0		20	
0000	21.2	0		15	
0300	21.5	0		15	
1000	21.3	0		0	
1300	21.2	0		0	
2000	21.0	0		0	

Net/Trap/Anabat #	Net/Trap Type ¹	Latitude	Longitude	Length (m)	Height (m)	Time Up (0000 h)	Time Down (0000 h)	Picture #
A	net	41° 13' 02.3" N	82° 54' 29.7" W	12	9	2110	215	3026
B	net	41° 13' 01.5" N	82° 54' 29.8" W	9	6	2107	211	3100
C	net	41° 13' 05.9" N	82° 54' 29.4" W	6	6	2100	200	3099
D	net	41° 13' 05.1" N	82° 54' 29.7" W	9	6	2105	207	3098

Net Placement/Site Description:

Capt #	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro. ²	Wt (g)	RFA (mm)	Belly (F/M/E)	Wing Index* (0-3)	Picture # /Guano/Hair Sample	Comments
	B	<i>L. borealis</i>	2120		M		9.6	40	E	0		Escaped
1	B	<i>L. borealis</i>	2120	Jv	F	MR	16.2	46	E	0		
2	D	<i>E. fuscus</i>	2130	A	M		10.5	41	E	0		
3	B	<i>L. borealis</i>	2138	Jv	F	NR	17.7	46	E	0		
4	B	<i>E. fuscus</i>	2155	A	M	↓	20.7	46	M	0		
5	B	<i>E. fuscus</i>	2207	A	F	PL	20.6	48	M	0		
6	A	<i>E. fuscus</i>	2210	A	F	DL	19.8	46	F	0		
7	A	<i>L. borealis</i>	2210	Jv	F	MR	17.4	46	M	0		
8	A	<i>E. fuscus</i>	2210	A	F	DL	17.4	46	M	0		
9	C	<i>E. fuscus</i>	2215	A	F	PL						

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/PL; Male = ↑/↓



Project #: 340

Date: 7/30/11

Project Name:

Site Name/ID: 32

Initials: ABK

Capt.#	Net #	Species	Time	Age (Ad/Jv)	Sex (M/F)	Repro.	Wt (g)	RFA (mm)	Belly (F/M/E)	Guanol Hair Sample	Comments/Picture #
10	C	E. fuscus	2215	Ju	M	NR	14.5	45	M		
11	B	L. borealis	2235	A	M	↓	10.6	42	M		
12	A	E. fuscus	2235	Ju	M	NR	15.4	44	F		
13	A	E. fuscus	2235	A	F	PL	19.0	45	M		
14	A	E. fuscus	2235	Ju	F	NR	16.5	45	F		40.15
15	A	E. fuscus	2235	A	F	PL	21.3	47	F		
16	A	E. fuscus	2235	Ju	M	NR	15.2	45	F		
17	A	E. fuscus	2235	Ju	F	NR	16.9	45	F		
18	B	E. fuscus	2310	Ju	F	NR	16.3	46	M		
19	B	E. fuscus	2310	Ju	F	NR	15.8	46	F		
20	B	E. fuscus	2310	A	F	PL	19.3	45	F		
21	A	E. fuscus	2315	Ju	F	NR	17.3	46	E		
22	A	E. fuscus	2315	A	M	↓	16.3	45	F		
23	D	L. borealis	2317	Ju	M	NR	8.8	41	M		
24	D	E. fuscus	2345	A	M	↓	17.4	44	F		
25	A	E. fuscus	2355	Ju	M	NR	16.1	46	F		
26	C	E. fuscus	0005	A	M	↑	17.0	46	E		
27	C	E. fuscus	0005	Ju	M	NR	14.5	47	F		
28	A	E. fuscus	0010	Ju	M	NR	14.5	46	E		
29	A	E. fuscus	0020	Ju	F	NR	16.3	45	F		
30	A	E. fuscus	0020	Ju	M	NR	15.1	45	E		
31	A	E. fuscus	0020	Ju	M	NR	17.2	47	F		
32	A	E. fuscus	0035	Ju	F	NR	16.1	40	F		
33	A	E. fuscus	0040	Ju	C	↓	15.4	44	M		
34	A	E. fuscus	0040	Ju	M	NR	17.4	44	F		
35	B	E. fuscus	0040	Ju	F	NR	11.4	39	F		
36	D	L. borealis	40	Ju	F	NR	10.9	39	F		
37	A	L. borealis	1000	Ju	F	NR	11	41	M		
38	C	M. sep	1015	Ju	F	NR	6	34	M		



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

Project #: 390

Date: 7/30/11

Project Name:

Site Name/#: 632

Initials:

ABK

[illegible]



NET SITE HABITAT DESCRIPTION

Project #: 340

Date: 22 July 2011

Biologists: E. Banger; S. Caplan

Project Name: Republic - Wind

Site Name/#: 33

State: OH

County: Seneca

USGS Quad: Firside

Net/Trap/ or AnaBat	Net/Trap/ AnaBat Serial #	Latitude	Longitude	Picture #	Waypoint #
<u>11</u>	<u>NN</u>	<u>41° 10' 41.2"N</u>	<u>82° 57' 19.2"W</u>	<u>3096</u>	<u>51</u>
<u>8</u>	<u>NN</u>	<u>41° 10' 40.3"N</u>	<u>82° 57' 18.6"W</u>	<u>3100</u>	<u>52</u>
<u>5</u>	<u>NN</u>	<u>41° 10' 40.7"N</u>	<u>82° 57' 18.0"W</u>	<u>3099</u>	<u>53</u>
<u>10</u>	<u>NN</u>	<u>41° 10' 38.2"N</u>	<u>82° 57' 17.1"W</u>	<u>3098</u>	<u>51</u>

Distance to closest water source (meters): 0

Type of water source: ephemeral stream

Water source name: N/A

ESTIMATED WATER SOURCE CHARACTERISTICS (IF UNDER NETS): 0

Bank Height: 1/2 meters Channel Width: 1 meters Stream Width: 1/2 meters

Substratum: Bedrock Boulder ☒ Cobble ☒ Gravel ☒ Sand Silt/Clay

Still Water Present (Y/N): Y Average Water Depth: 10 m or cm Clarity (H,M,L): L

VEGETATION:

Dominant Canopy Species (> 40 cm/16" dbh)

Acer saccharum

Quercus alba

Juglans nigra

Subdominant Canopy Species (< 40 cm/16" dbh)

Acer saccharum Carya subcordata

Prunus serotina

Tilia americana

Estimated dbh range: Lg: 150 Sm: 40

Estimated dbh range: Lg: 39 Sm: 10

Relative abundance of dominant vs. subdominant (ratio): 1:75

Estimated canopy closure:

☒ Closed

Moderate

Open

Roost tree potential consists of:

☒ Large Trees

☒ Snags

Neither

Roost tree potential for the area is:

High

☒ Moderate

Low

Roost potential comments: lots of large Acer and Quercus trees with dead limbs

Subcanopy clutter:

Closed

☒ Moderate

Open

Subcanopy comprised largely of:

Lower Branches of
Canopy Trees

☒ Saplings

Shrubs

Common Subcanopy Species:

Asimina triloba

Acer saccharum

Ostrya virginiana

Habitat Description: mature upland forest with dominant Acer

AnaBat Habitat: N/A

Check all that apply:

☒ Mature Upland Forest

Recently Logged Forest

Crop/Pasture Land

Other

Young Upland Forest

Forest Edge

Stream/River

Mature Lowland Forest

Woodlot

☒ Vernal Pool

Young Lowland Forest

Old Field

Deepwater Lake/Pond


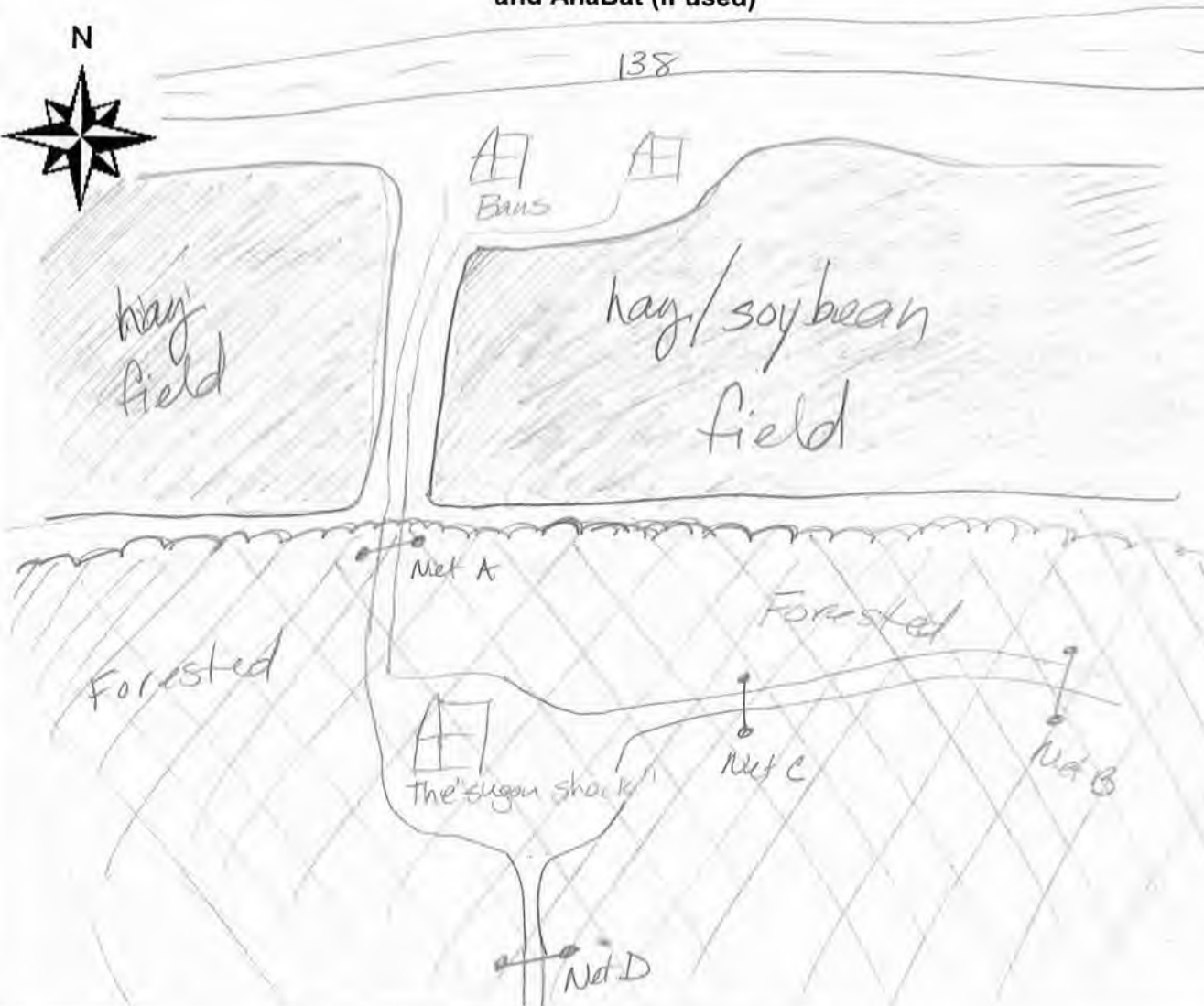
Herbaceous Cover: Sparse

☒ Moderate

Dense



NET SITE HABITAT DESCRIPTION (continued)

Project #: <u>340</u>	State/County: <u>OH/Seneca</u>	Site Name/#: <u>33</u>	Initials: <u>ELB</u>
SKETCH: NETS A and B and AnaBat (if used)			
<div style="display: flex; justify-content: space-between; align-items: flex-start;"><div style="text-align: center;"><p>N</p></div><div style="text-align: center;"><p>138</p></div></div>			
LEGEND	COMMENTS		
Nets: ● — ●			

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Commission of Ohio Docketing Information System on

12/26/2018 3:18:24 PM

in

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

Summary: Application Exhibit Q Part 6 of 8 electronically filed by Teresa Orahood on behalf of Dylan F. Borchers