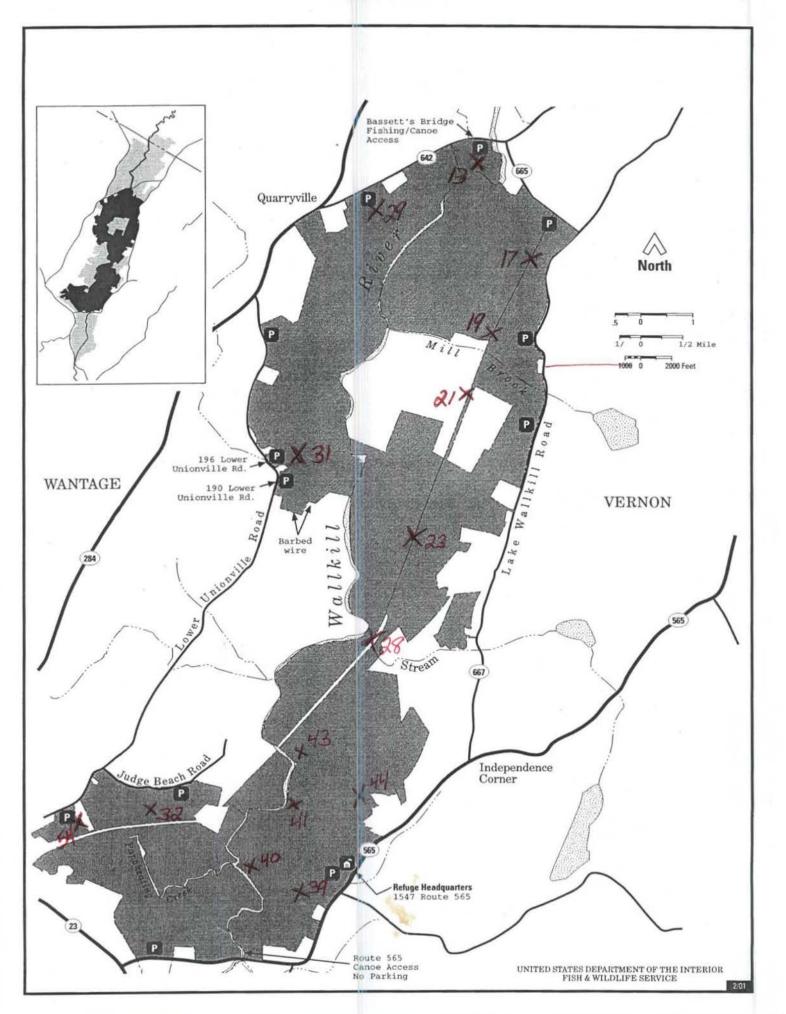
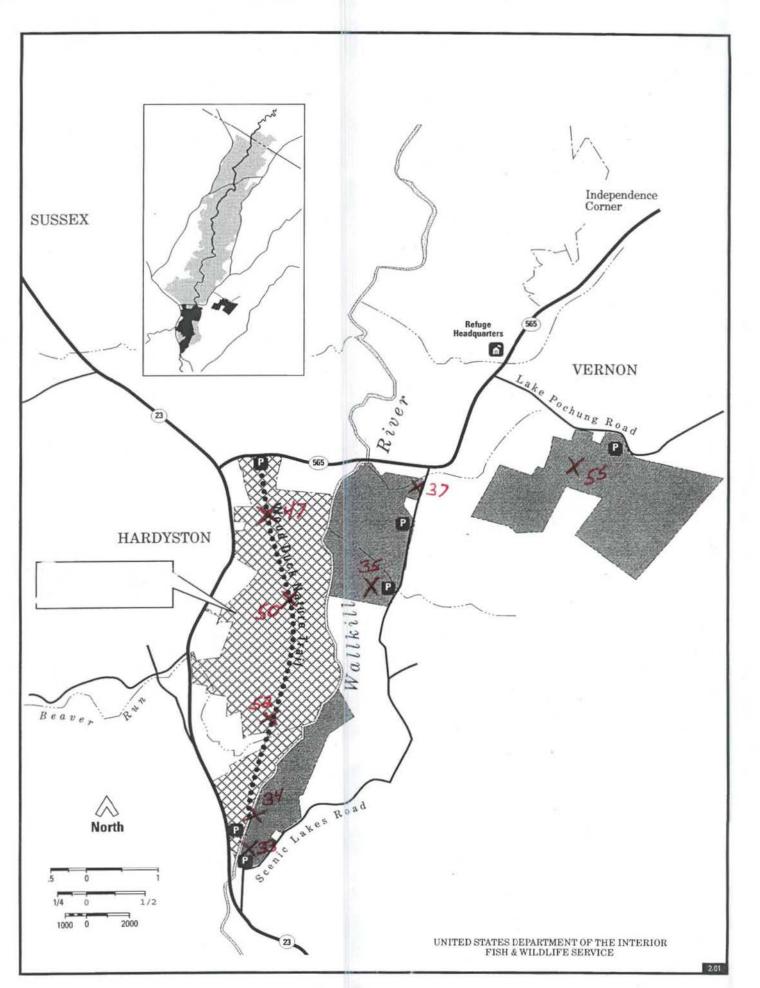
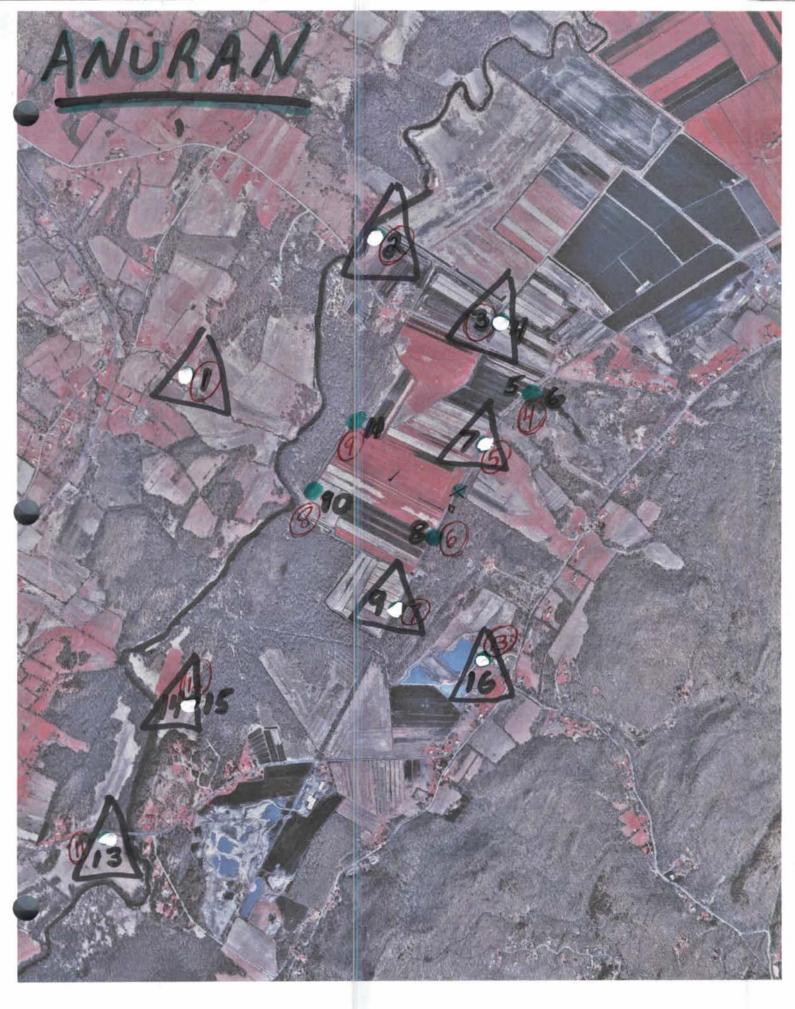
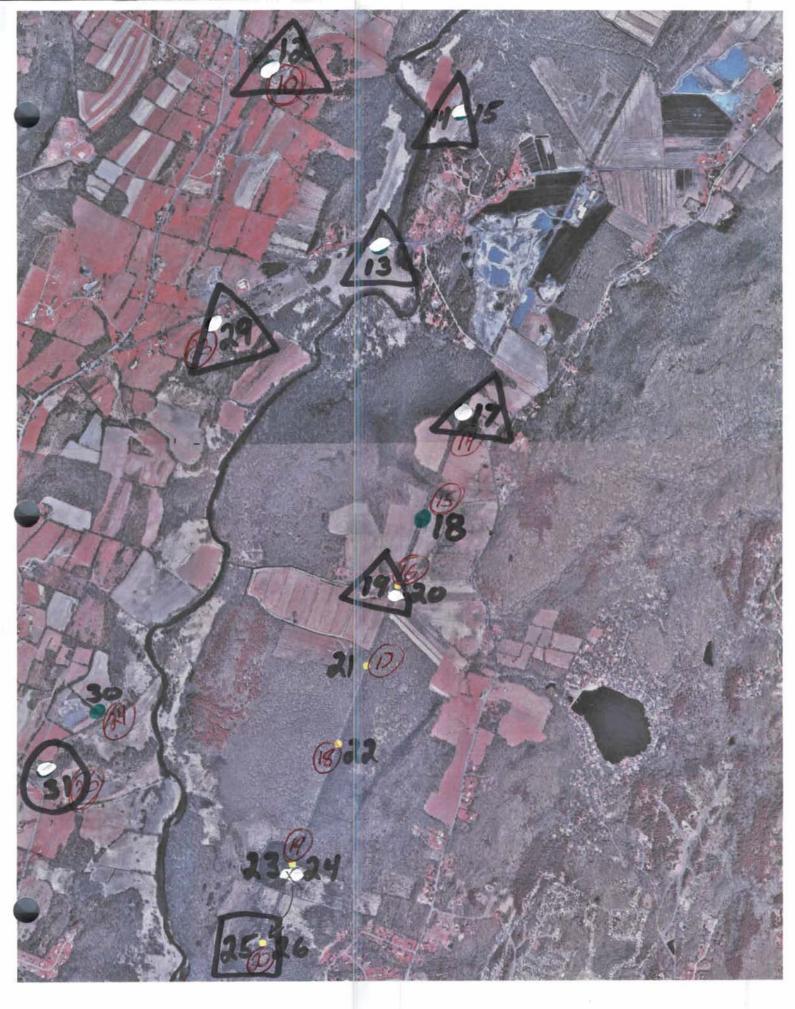
Anuran 2001 Orange County Sussex County North WIK202 1000 Appalachian 2000 WARWICK 6 Oil City Rd. Area Closed To Hunting Appalachian 4' wide ditch WANTAGE Barbed Barbed 376 Route 284 - P 642 VERNON 119 Owens Station Rd. Bassett's Bridge Fishing/Canoe Access Quarryville 667 UNITED STATES DEPARTMENT OF THE INTERIOR FISH & WILDLIFE SERVICE

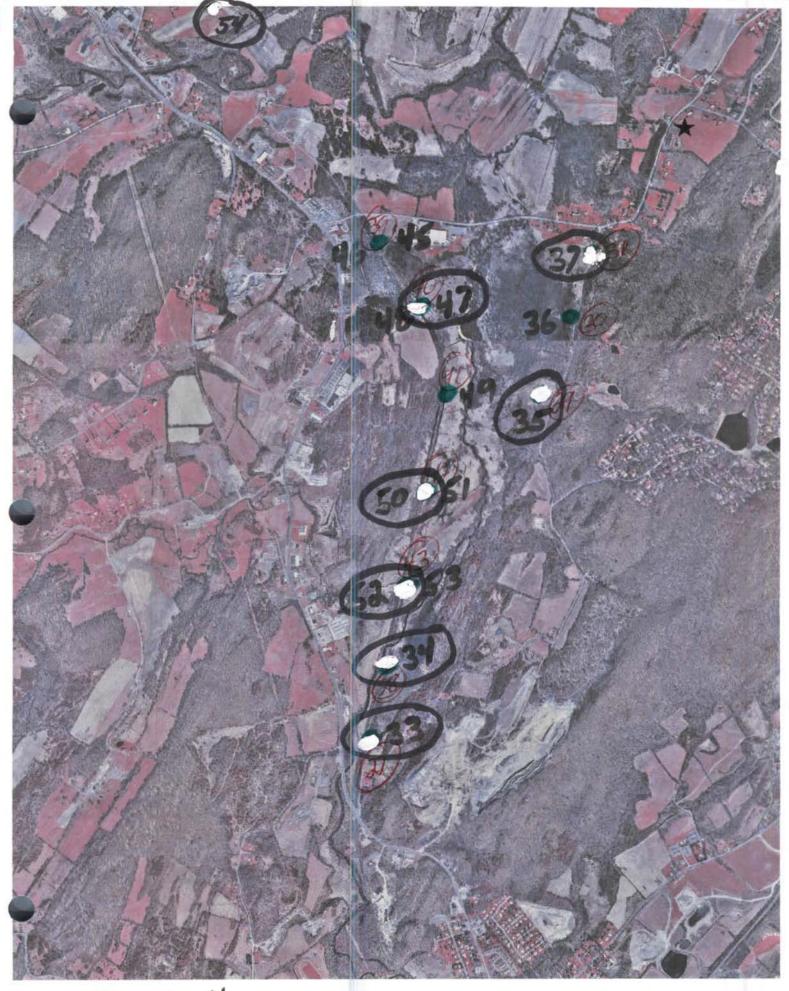






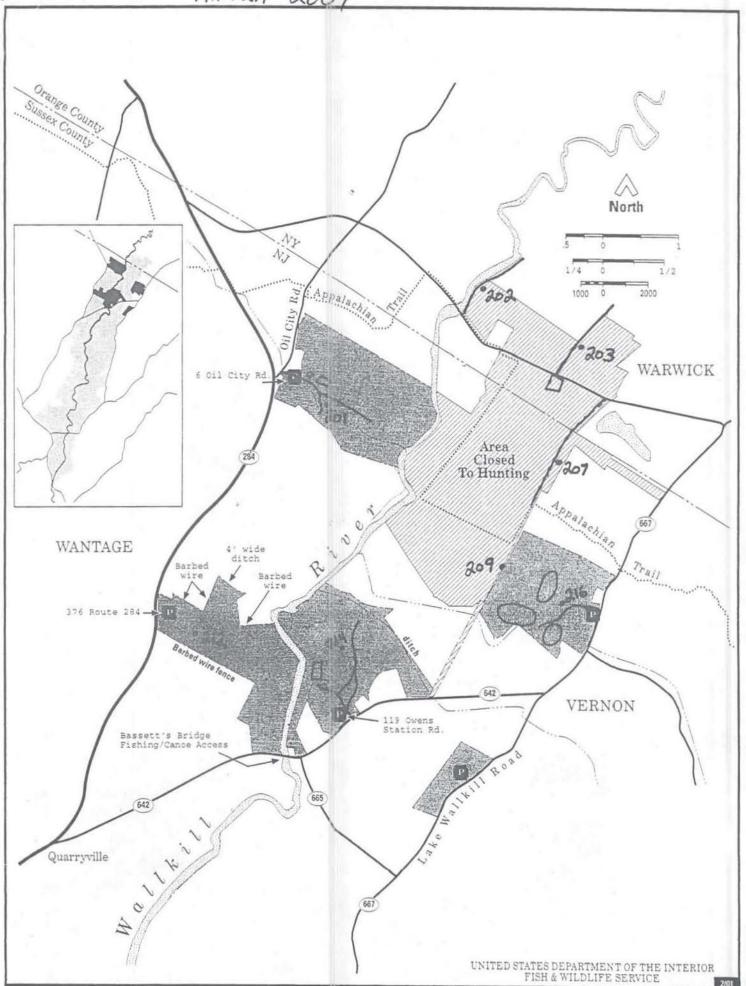


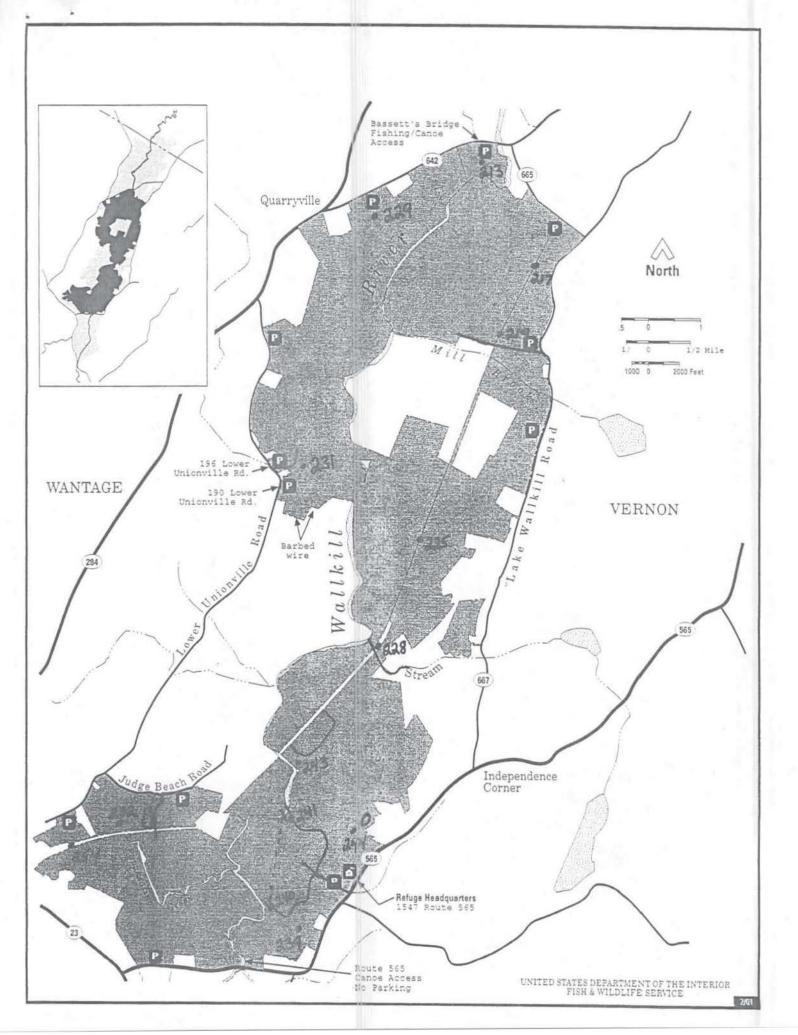


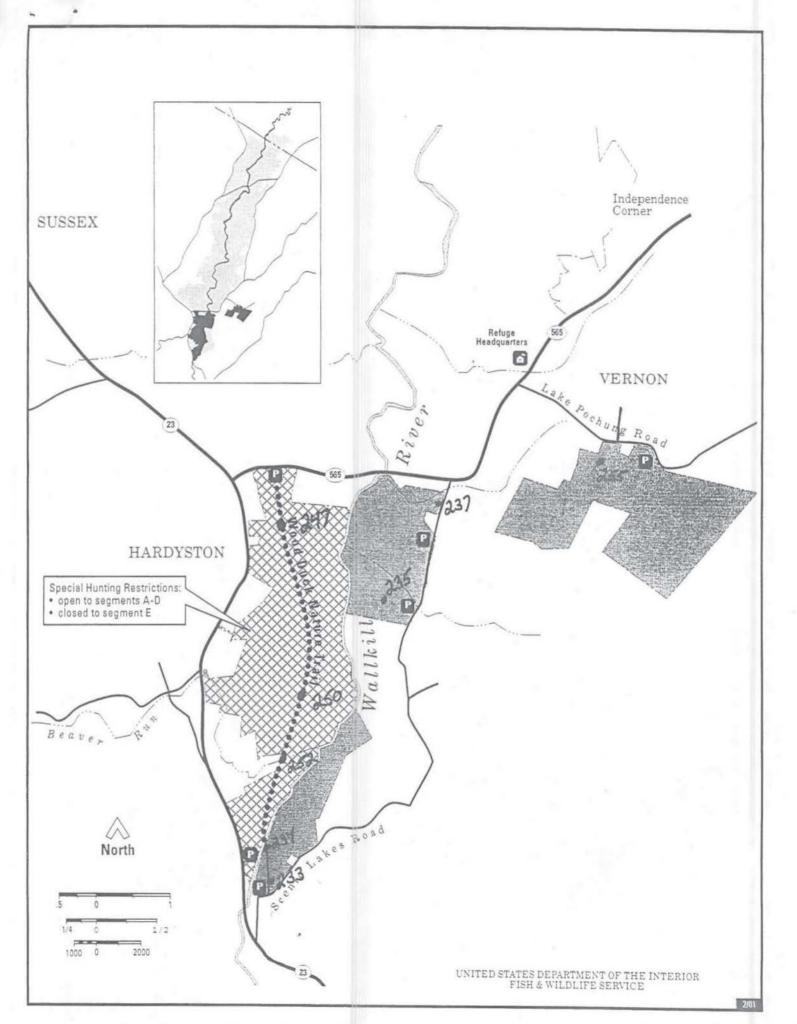


0 - South

Anuran 2001







UTM Coordinates for Point Count Units at WALLKILL RIVER NWR

Census Group = Anuran

Rpt. Date:07/23/2001

Unit #	Unit Name	X UTM	Y UTM
WLK201 6/k064			
WLK202 -410			
WLK203*411			
WLK204 4//			
WLK205 WKO12			
WLK206			
WI.K207#413			
X WLK208 #582			
WI.K209741/			
WLK210 -> W/k 00	9		
WI.K211 WIK 009	\$		
WLK212 WKOGZ			
WLK213 WK019			
WLK214 W/k0/6			
WI.K215 WK 016			
WLK215 WK 016 WLK216 # 449			
*WLK217 ->			
×WLK218 →			
WLK219 065			
WLK220 065			
WLK221			
WLK222			
WIKZ23 Already in			
WITE 25			
WLK225 dutabase			
WLK22₹ WLK228 ω/k 077			
× WLK229 → #5a	4		
	· ·	540	
X WLK230 → > WLK231 ω14 060			
WINZ31 WIT TOO			
Mcs XWLK232 ->			
XWLK233			
WLK235-wlk o 44			
WLK236 -> w/k 0	4 0		
WLK237-6/k 041	*a		
WLK238-WK040			
WLK239 -> Sec.	P 1 11		
WLK240 WIK 038	105 x-16		
WLK241 w/k 034			
WLK242 W/K 032			
WLK243 WK 033			
x WLK244			
WLK245 WIKOS	,		
WLK247 616047			
WLK248 WIK 047			
WIT.KOAS LIKANO			

WALLKILL RIVER NWR

Census Group = Anuran

Rpt. Date:07/23/2001

Unit # Unit Name X UTM Y UTM

x WLK249 \$ 505

wb1.-WLK250

x WLK251

wLK252 vlk056

wLK253 wlk 056

*WLK254 \$ 524

*WLK255

WALLKILL RIVER NWR Point Count Species Abundance and Frequency

32

Census Group: Anuran

Census Date: 04/04/2001 To 07/12/2003

Route Name : Anuran Survey

Report Date: 03/22/2002

Total Points Along Route:

Count Period: Times 1 + 2

Count Radius: Radii 1 + 2

Species	Total Observed	Relative Abundance	Ave Point	# Points Observed	Frequency
Spring peeper	177	51.75 %	5.53	60	187.50 %
Green frog	44	12.87 %	1.38	29	90.63 %
Gray treefrog	40	11.70 %	1.25	19	59.38 %
American toad	33	9.65 %	1.03	16	50.00 %
Wood frog	31	9.06 %	0.97	12	37.50 %
Bullfrog	10	2.92 %	0.31	6	18.75 %
Pickerel frog	7	2.05 %	0.22	6	18.75 %
Total Observed on Rout	e 342			32	

Relative Abundance = Total of Species / Total of All Species Ave Point = Average number individuals of species per point. # Points Observed = Number of Points Species Was Observed.
Frequency = Number Points Species Observed / Number Points Surveyed.

WALLKILL RIVER NWR Point Count Species Abundance and Frequency

Census Group: Anuran

Census Date: 03/15/2000 To 05/31/2000

Route Name : Anuran Survey

Report Date: 03/22/2002

Total Points Along Route: 51

Count Period: Times 1 + 2

Count Radius: Radii 1 + 2

Species	Total Observed	Relative Abundance	Ave Point	# Points Observed	Frequency
Spring peeper	150	70.42 %	2.94	50	98.04 %
Wood frog	21	9.86 %	0.41	14	27.45 %
American toad	19	8.92 %	0.37	10	19.61 %
Gray treefrog	9	4.23 %	0.18	3	5.88 %
Green frog	7	3.29 %	0.14	5	9.80 %
Pickerel frog	5	2.35 %	0.10	4	7.84 %
Bullfrog	2	0.94 %	0.04	1	1.96 %
Total Observed on Rout	e 213			51	

Relative Abundance = Total of Species / Total of All Species Ave Point = Average number individuals of species per point. # Points Observed = Number of Points Species Was Observed.
Frequency = Number Points Species Observed / Number Points Surveyed.

			Time		Temp (°F) Wi	ind Scale	Sky (Code		
	Start		1950	6	47		1		0		
14	Finish		223		35	1		0			
		H	609 ok	#	Point Da	ta #	741	# 1	142	4	743
Se Control of the Con			219	WIK	2 817	WIK 3 212		WIK		WIK	5 213
Start Time		195			12		35	1	50		100
Air Temperature (°F)		Section 19	7		14		12		16	11	12
Sky Code				0			0		0		2
/as noise a factor? (✓ = yes)											
Did you take a timeout?	' (✓= yes)										
Species Heard:		3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
WOFR		3	3					3	3	1	1
NSPE		3	3	3	3	2	2	3	3	3	3
								ļ			
		-									-
				L				 	L		<u></u>
Comments:							*			*	

Wind Scale: 0 = Smoke rises vertically.

*4 =Small branches move, raises dust and loose paper.

1 = Light air movement, smoke drifts.

*5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle. *6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion. * Unacceptable wind strengths for survey.

	Anuran Call Count Sur					ey Point Data Con				. / /-
efuge Route: North	#7	44	14	45	#7	46	#7	47	Survey Date	18 4/4
		6 214	WIK	7 216	WIK	8 207	WIK	9 209	WIK	10 20
Start Time	211	15	II .	130		45	11	55	11	205
Air Temperature (°F)		9	III .	38		39		5		36
Sky Code		0	I	0		0		0		0
Was noise a factor? (✓ = yes)										
Did you take a timeout? (✓= yes)				7.5	,		-			
Species Heard:	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
WOFR	/	2				E				
NSPE	3	3	3	3	3	3	3	3	3	3
	 									
		1								
								-		
Comments:							2			
Comments:	*7.	49	4	150			3			
Comments:					1	3	1	4		15
	WIK 1	1202	WIK 1	201	1	3	1	4	1	.5
Start Time	W/K1 22/	1202	220	25	1	3	1	4	1	1.5
Start Time Air Temperature (°F)	22,	1202	22.	25	1	3	1	4		.5
Start Time Air Temperature (°F) Sky Code	22,	1202	22.	25	1	3	1	4		15
Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes)	22,	1202	22.	25	1	3	1	4		15
Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes) Did you take a timeout? (✓ = yes)	22,	1202	22.	25	3 min.	3 5 min.	3 min.	4 5 min.	3 min.	5 min.
Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes) Did you take a timeout? (✓ = yes) Species Heard:	22, 3	1202	220 3	25						
Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes) Did you take a timeout? (✓ = yes) Species Heard:	3 min.	1202 15 6 5 min.	3 min.	2201 25 35 0 5 min.						
Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes) Did you take a timeout? (✓ = yes)	22, 3	1202	220 3	25		5 min.				
Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes) Did you take a timeout? (✓ = yes) Species Heard:	3 min.	1202 15 6 5 min.	3 min.	2201 25 35 0 5 min.		5 min.				
Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes) Did you take a timeout? (✓ = yes) Species Heard:	3 min.	1202 15 6 5 min.	3 min.	2201 25 35 0 5 min.		5 min.				
Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes) Did you take a timeout? (✓ = yes) Species Heard:	3 min.	1202 15 6 5 min.	3 min.	2201 25 35 0 5 min.		5 min.				
Did you take a timeout? (✓= yes) Species Heard:	3 min.	1202 15 6 5 min.	3 min.	2201 25 35 0 5 min.		5 min.				

	one of a outer rate		200
Observer: Kesin Holamb	Refuge Route:	Survey Date: 4/4/01	Run Number:

Point Number:	WIK219	
	•	Point Dat

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
1956	47	1	0	N-1	

Sky Code: 0 = Clear / few clouds. 5 = Drizzle / light rain

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

*8 = Showers (do not conduct survey) *4 =Small branches move, raises dust and loose paper.

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts. 2 = Wind felt on face, leaves rustle.

*5 = Small trees in leaf begin to sway, crested wavelets.

*6 = Large branches in motion.

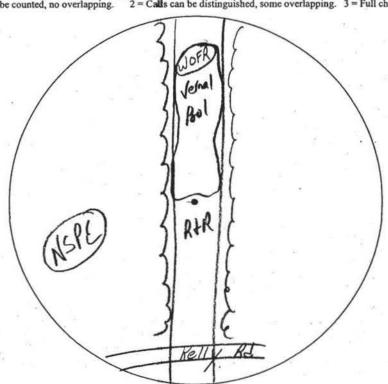
3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPE	3	3									
NSPE	3	3									
								-			- 4.
							-				

Comments:

3-Woodcock

Call Index: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



				ar vey I omit Field h	мар	
Observer:	Kavin	Holamb	_ Refuge Route:	North	Survey Date: 4/4/8/	Run Number: W
	200	1015				

Point Number: W/K2/7

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2012	44	1	0	N-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

*4 =Small branches move, raises dust and loose paper.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey)

Wind Scale: 0 = Smoke rises vertically. 1 = Light air movement, smoke drifts.

*5 = Small trees in leaf begin to sway, crested wavelets.

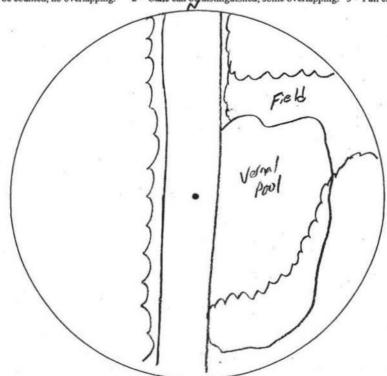
2 = Wind felt on face, leaves rustle.

6 = Large branches in motion. 3 = Gentle breeze, leaves and small twigs in motion. Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPE	3	3									
		*									

Comments:

Call Index: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



,	192	and the second s	
Observer: Kau's	Holcomb Refuge Route:	North	Survey Date: 4/4/0/Run Number: _/

Point Number: WIH 212

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2035	42	1	0	N-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey)

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

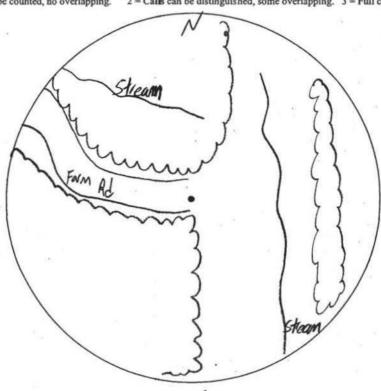
*4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets. *6 = Large branches in motion.

2 = Wind felt on face, leaves rustle.

3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPE	2	2						-			
										4/1	
				-	-				-		-

Comments:



umber: <u>W</u> /		_			Point	Data					
Start Ti	me	Air Tei	mp (°F)	Wind S	Scale	Sky Co	ode	Noi (✓=	se? · yes)	Timeout (√=)	
2050	2	46	5	1		0		N			
Wind Scale: 0	Drizzle / li = Smoke r = Light air = Wind felt	ght rain ises vertica movement, on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (br *8 = Showers (a branches move trees in leaf be branches in me eptable wind stre	do not cond , raises dus egin to sway otion.	st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	n
WOFR	3	3								*	L
NSPE	3	3				-				-	-
	1		11	1							
Comments:	= Calls can	be counted,	no overlapping	g. 2 = Cal	N	stinguished, son	ne overlapp	ning. 3 = Fo	ull chorus, cont	inuous & ov	rerlap
	= Calls can	be counted,	no overlapping		Fix			ing. 3 = Fr	ull chorus, cont	inuous & ov	verlap
	= Calls can	be counted,	no overlapping		Fix	d		sing. 3 = Fe	ull chorus, cont	inuous & ov	rerlap

Y 20 12 15 15 15 15 15 15 15 15 15 15 15 15 15		a vey rount rield	Map	
Observer: Kevin Holcomb	_ Refuge Route:	North	Survey Date: 4/4/0/	Run Number:
2			, ,	

Point Number: WIN XI

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2100	42	/	0	N-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable. 7 = Snow

2 = Cloudy (broken) or overcast.

*8 = Showers (do not conduct survey)

*4 =Small branches move, raises dust and loose paper.

4 = Fog / Smoke

5 = Drizzle / light rain

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

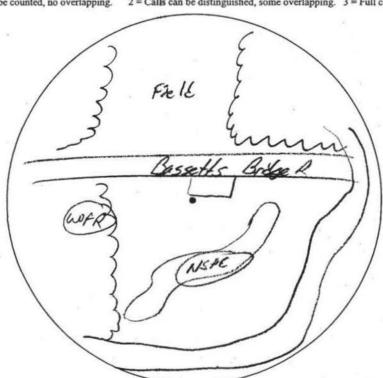
*5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle. *6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPE	3	3			-		-			14	
NSPE	/									,	
		′							14		1
											4

Comments:



	1	400		urvey Point F	ield Map	2		
Observer: _	Kevin	Holamb	Refuge Route: _	North	Survey D	Date: 4/4/01	Run Number:	
Point Numb	- WIH	214				' /		

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2115	39	1	0	N-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

7 = Snow

2 = Cloudy (broken) or overcast. *8 = Showers (do not conduct survey) 4 = Fog / Smoke

5 = Drizzle / light rain

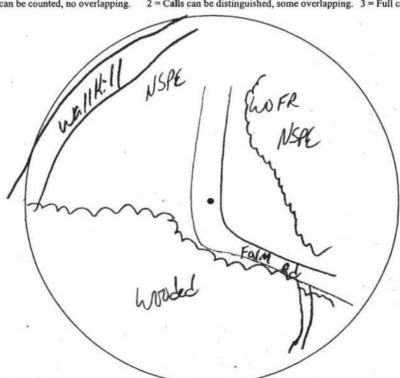
Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

- *4 =Small branches move, raises dust and loose paper.
- *5 = Small trees in leaf begin to sway, crested wavelets. *6 = Large branches in motion.
- 2 = Wind felt on face, leaves rustle. 3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPE	3	3								-1	2
NSPE	1	2									
			L								

Comments:



			Survey Poin	t Field Map	,	
server	: Kwin Ho	Refuge R	oute: North		Survey Date: 4/4/6	/ Run Number: _
int Nu	mber: <u>~/K</u> 2/K	<u>6</u>	Point	Data		
	Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
Γ	2130	41-38	1	0	N-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey) *4 =Small branches move, raises dust and loose paper.

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

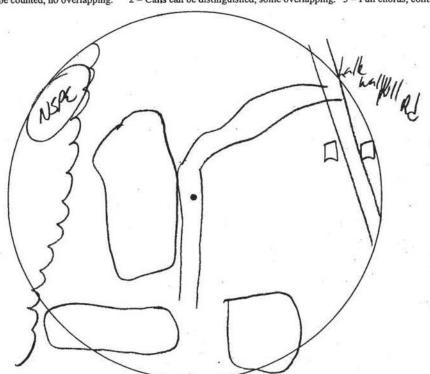
*5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle. *6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPE	3	3									1 . 7
								14	15		

Comments:



	,	22.75		n vey romi riela ivi	ap	
Observer:	Heun	Holamb	Refuge Route:	North	Survey Date: 4/4/	6/ Run Number:
Point Num	ber: WIK	207				

D.		4 1	n -	4-
-	oin	ТΙ	112	12

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2145	39	1	0	N-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey) *4 =Small branches move, raises dust and loose paper.

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts. 2 = Wind felt on face, leaves rustle.

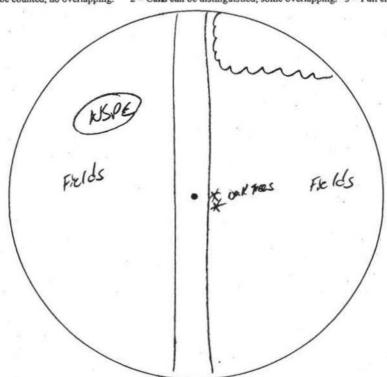
*5 = Small trees in leaf begin to sway, crested wavelets.

*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPE	3	3					- 1				
			-								

Comments:



			our rey a ome Field Map		
Observer:	Kasia	Holomb Refuge Route:	worth	Survey Date: 4/4/6	Run Number:

Point Number: WIK209 Point Data

	T VIII Data										
Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)						
2155	35	1	0	N-1							

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey)

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

2 = Wind felt on face, leaves rustle.

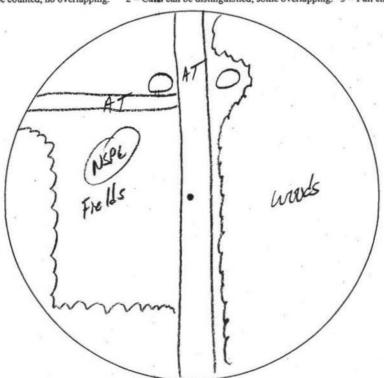
*4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPE	3	3									

Comments:



							. 1	Nois		Timeout	ALC: UNITED TO
Start Ti	me	Air Ter	np (°F)	Wind	Scale	Sky Co	ode	(/=	yes)	(√= y	es)
220	5	_36				0		N.	-/		
Wind Scale: 0	Drizzle / li = Smoke r = Light air = Wind felt	ght rain rises vertica movement, t on face, le	7 = Snow lly. smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in m ptable wind str.	, raises dus egin to sway	st and loose y, crested w		Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	n
NSPE	3	3					٠.		+		
		-		-							-
				 			: 7			1	\vdash
Comments:	CAC MAI	<u> </u>		g 2 = Ca	ns can be di	stinguished, sor		ing. 3 = Fu	ill chorus, con	tinuous & ov	erlap
			D. F.		-	K.	re ll NSPE)			

Start T	ime	Air Te	mp (°F)	Wind	Scale	Sky Co	nde	Noi	se?	Timeout	
221		30	6	/	1	C)		1-1		
Wind Scale: 0	Drizzle / I Smoke Light air Wind fel	ight rain rises vertica movement t on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in m eptable wind str	do not cond e, raises du egin to swa notion.	luct survey) st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	I
NSPE	3	3									ļ
		<u> </u>		1						1 -	+
										1	t
Comments:		be counted	, no overlappin	9 2 = Ca	Ils can be di	stinguished, sor	me overland	ning 3 = F	ull chorus, con	tinuous & ov	ve
all flucx.	- Cans can	· be counted			1/	Fix					
						Fiel	14	_/	\ .		

Survey Point Field Map

Observer: Kev: n Holamb Refuge Route: North Survey Date: 4/4/0/ Run Number:

Point Number: WIK 201

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2225	35	/	0	N-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

7 = Snow

2 = Cloudy (broken) or overcast.

*8 = Showers (do not conduct survey)

4 = Fog / Smoke

5 = Drizzle / light rain

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

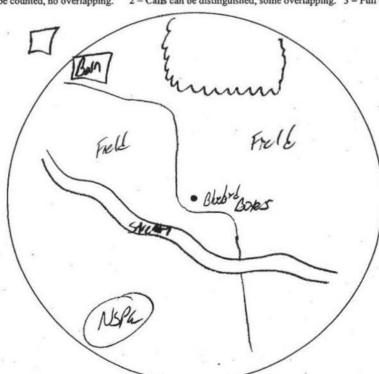
*4 =Small branches move, raises dust and loose paper.

*5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle. *6 = Large branches in motion. 3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

min.	min.	Heard:	min.	5 min.	Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.
3	3			-						
									9	
								5		-
	3	3 3	3 3	3 3	3 3	3 3	min. min. min. min. min. min.	min. min. min. min. min. min.	min. min. min. min. min. min. min.	min. min. min. min. min. min. min. min.

Comments:



FWS Anuran Call Count Survey Observer: Kosin Hokamb Survey Date: 4/5/0/ Run Number: Refuge Route: **Survey Data** Sky Code Wind Scale Time Temp (°F) Start Finish Point Data

III	WIK	23/	WIK	² 232	WIK:	254	WIK.	247	WIK	5 250
Start Time	19:	52	11	15	ll .	30	21			20
Air Temperature (°F)	5		H	0		//	4/4		4	16
Sky Code	0	01		>		2	6			2
Was noise a factor? (✓ = yes)										
Did you take a timeout? (✓= yes)						*				
Species Heard:	3 min.	5 min.	3 mia.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
NSPE	3	3	3	3	3	3	. 3	3	3	3
NSPEWOFR			3	3	3	3	3	3		
					14		,			
*										
			<u> </u>							-

Call Index Value:

1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping.

3 = Full chorus, calls continuous and overlapping.

Sky Code: 0 = Clear / few clouds. 5 = Drizzle / light rain

I = Partly cloudy / variable. 7 = Snow

2 = Cloudy (broken) or overcast. *8 = Showers (do not conduct survey) 4 = Fog / Smoke

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

*4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle.

*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion. * Unacceptable wind strengths for survey.

1	,	Survey Poin	t Field Map		
erver: Hew's He		oute:Suth		Survey Date: 4/5	61 Run Number:
t Number: WK&	23/	Point	Data		
Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
1957	50	1	0		

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey)

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.2 = Wind felt on face, leaves rustle.

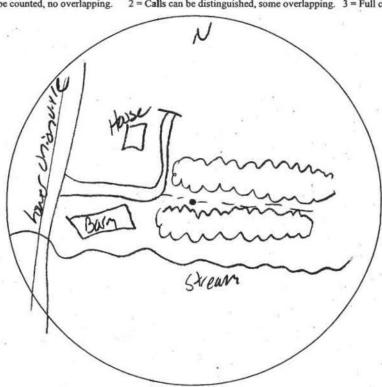
*4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motions. Unacceptable wind strengths for survey,

Species Heard:	3 min.	5 min.									
NSPE	3	3			2					6	
								10	- 3		
Comments:			, a				L			L	

Call Index: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



Start Tir	me	Air Tei	mp (°F)	Wind !	Scale	Sky Co	ode	Noi:	se? yes)	Timeout	and the same of
201.		4	0	1		0		N.			
Sky Code: 0 = 5 = 1 Wind Scale: 0 1 = 2 =	Clear / fe Drizzle / li = Smoke r Light air Wind felt	ght rain ises vertica movement on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (compared trees in leaf be branches in many trees in leaf be branches in many traptable wind str.	do not cond c, raises dus egin to sway	vercast. luct survey) st and loose y, crested w	4 = Fog / paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	n
1-0-	_			1						1	
NSPE	3	3					14.				
WER	3	3									
Comments:	3	3	, no overlapping	2. 2 = Ca	ls can be di	istinguished, son	me overlapp	ing. 3 = Fi	all chorus, cont	inuous & ov	erlap
Comments:	3	3	, no overlapping	2. 2 = Ca	ls can be di	istinguished, son	me overlapp	ing. 3 = Fo	all chorus, cont	inuous & ov	erlap
Comments:	3	3	, no overlapping	3. 2 = Ca	ls can be di	istinguished, son	me overlapp	ing. 3 = Fi	all chorus, cont	inuous & ov	rerlaj

, ,		urvey Point Field Map		
Observer: Keun Holcomb	Refuge Route: _	South	Survey Date: 4/5/01	Run Number:
Point Number: 411/254				

Point Data

Start Time	Air Temp (°F)	Wind \$cale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2030	41	/	0	N-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey) *4 =Small branches move, raises dust and loose paper.

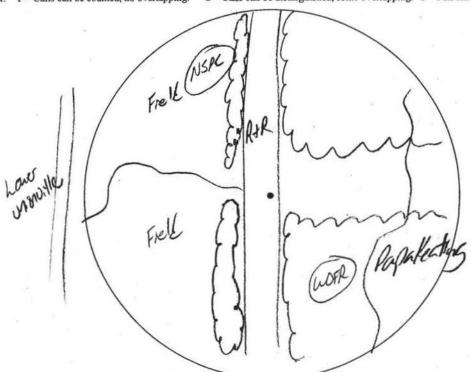
Wind Scale: 0 = Smoke rises vertically. 1 = Light air movement, smoke drifts.

*5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle. *6 = Large branches in motion.

Species Heard:	3 min.	5 min.									
NSPC	3	3					Α,				
NSPC	3	3									
											3

Comments:



				oute:	Point	Data			- T		_
Start Tin	ne	Air Te	mp (°F)	Wind	Scale	Sky Co	ode	Noi (/ =	se? yes)	Timeout (√=	
2100)	44		/	<u>'</u>	0		N-	2		_
Vind Scale: 0 = 1 = 2 =	Orizzle / l = Smoke Light air Wind fel	ight rain rises vertica movement t on face, le	7 = Snov ally. , smoke drifts aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in m eptable wind str.	do not cond c, raises du egin to swa notion.	<i>luct survey)</i> st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	I
NSPE	3	3			10.00	*					I
WOFR	3	3		-				-		1	1
				-	-					-	+
Comments:		i a		* 1							1
Call Index: 1 =	Calls can		, no overlappir	,	lls can be di	stinguished, son	ne overlapp	ing. 3 = Fe	ull chorus, con	tinuous & ov	ve
	Calls can			,	lls can be di	istinguished, sor	ne overlapp	ing. 3 = Fo	ull chorus, con	tinuous & ov	

		our rej a ome a tetu		
Observer: _	How's Holand	Refuge Route: South	Survey Date: 4/5/6/ Run Number: _	/
	The Contract of the Contract o			

Point Number: WIH 250

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2120	46	0	0	N-2	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey) *4 =Small branches move, raises dust and loose paper.

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts. 2 = Wind felt on face, leaves rustle.

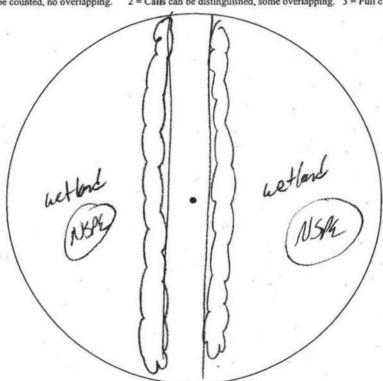
*5 = Small trees in leaf begin to sway, crested wavelets.

*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPC	3	3					3.			-	
	1										- 1
	-							* ,			
Comments											L.,

Call Index: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



	1	- C		urvey Point Field Map	(0/12)	
Observer:	Kean	Holamb	Refuge Route: _	South	Survey Date: 4/5/6/	Run Number:
		10			,	

Point Number: WILLASA

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2130	46	0	0	N-2	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey) *4 =Small branches move, raises dust and loose paper.

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

*5 = Small trees in leaf begin to sway, crested wavelets.

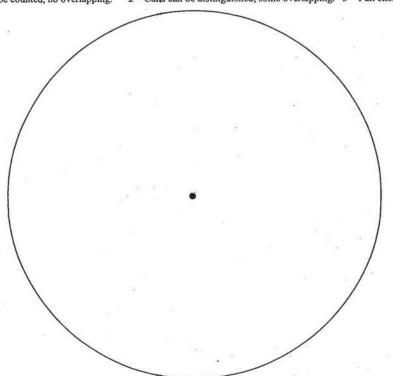
2 = Wind felt on face, leaves rustle. *6 = Large branches in motion.

Species Heard:	3 min.	5 min.									
NSPE	3	3			-		5.				
NSPL	/	/									
	4									-	1
			155	L							<u> </u>

Comments:

Call Index: 1 = Calls can be counted, no overlapping.

2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



-			Т		Point	Data	Т	Noi	se?	Timeout	ta
Start Ti	me	Air Te	mp (°F)	Wind	Scale	Sky Co	ode		yes)	(√ = <u>y</u>	
1200	5	42		0))	N-	2		_
Vind Scale: 0 1 = 2 =	Drizzle / l = Smoke = Light air = Wind fel	ight rain rises vertica movement t on face, le	7 = Snov ally. , smoke drifts aves rustle.		*4 =Small *5 = Smal *6 = Larg	2 = Cloudy (b *8 = Showers (branches move threes in leaf be be branches in meptable wind str	e, raises du egin to swa	duct survey) st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	
NSPE	3	3			111						
			-	-				-		*	ŀ
				-					*	36	H
Comments: Call Index: 1 =	- Calls can	be counted,	no overlappin	g. 2 = Cal	is can be d	istinguished, sor	ne overlapp	oing. 3 = Fu	ill chorus, con	tinuous & ov	er

	Survey Point Fleid Map		
Observer: Karn Holand	Refuge Route: South	Survey Date: 4/5/01	Run Number:
Point Number: W/K234		•	

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2215	4//	0	0	N-2	

Sky Code: 0 = Clear / few clouds. 5 = Drizzle / light rain

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast. *8 = Showers (do not conduct survey) 4 = Fog / Smoke

Wind Scale: 0 = Smoke rises vertically.

*4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

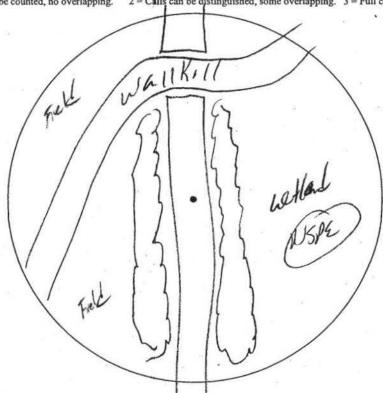
1 = Light air movement, smoke drifts. 2 = Wind felt on face, leaves rustle.

7 = Snow

*6 = Large branches in motion.

Species Heard:	3 min.	5 min.									
USPE	3	3								546	
				-						7.1	
-				-			-		•		

2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping. 1 = Calls can be counted, no overlapping.



	,	Sı	urvey Point Field I				
Observer:	Keer Helamb	Refuge Route: _	South	Survey Date:	4/4/01	Run Number: /	-
Point Number	: <u>UIK235</u>		Point Data				
				Noise	? 1	imeout taken?	

Sky Code:	0 =	Clear /	few	clouds.

1 = Partly cloudy / variable.

Wind Scale

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

(√= yes)

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey)

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.2 = Wind felt on face, leaves rustle.

Air Temp (°F)

*4 =Small branches move, raises dust and loose paper.

Sky Code

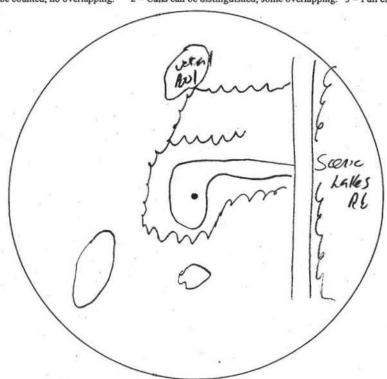
- *5 = Small trees in leaf begin to sway, crested wavelets.
 *6 = Large branches in motion.
- 3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.
3	3			•		-				
3	3		1.							
										-
	3 min. 3	3 3	3 min. Heard:	3 min. Heard: 3 min. 3	3 min. Heard: 3 5 min. 3 3	3 min. Heard: 3 5 Heard: 3 1 5 min. Heard: 3 3 3	3 min. Heard: 3 5 min. Sin. Heard: 3 min. 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 min. Min. Heard: 3 5 Min. Min. Min. Heard: 3 5 Min. Min. Min. Min. Min. Min. Min. Min.	3 5 Heard: 3 5 min. Min. Min. Min. Min. Min. Min. Min. M	3 min. min. Heard: 3 min. min. Heard: 3 min. Min. Min. Min. Min. Min. Min. Min. M

Comments:

Call Index: 1 = Calls can be counted, no overlapping.

2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



Survey Point Field Map

Refuge Route: _

Survey Date: 4/5/01 Run Number:

Point Number: WIK237

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2245	42	0	0	N-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey)

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

*4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

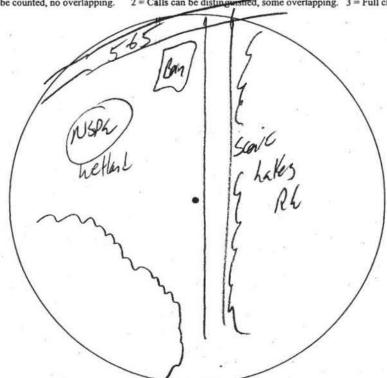
2 = Wind felt on face, leaves rustle.

*6 = Large branches in motion.

3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.
3	3									
	3 min. 3	3 min. 5 min. 3	3 5 Heard:	3 5 Heard: 3	3 5 Heard: 3 5	3 5 Heard: 3 5 Heard:	3 5 Heard: 3 5 Heard: 3	3 5 Heard: 3 5 Heard: 3 5	3 5 Heard: 3 5 Heard: 3 5 Heard:	3 5 Heard: 3 5 Heard: 3 5 Heard: 3

Comments:

1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



Cersus

Observer: 1/20in Hokamb Refuge Route: Contral Survey Data Wind Scale Sky Code Time Temp (°F) Start Finish ≠757 Point Data Start Time 2050 20.30 Air Temperature (°F) Sky Code 0 0 Was noise a factor? $(\sqrt{=yes})$ Did you take a timeout? (✓= yes) 3 min. 5 min. 3 min. 5 min. 3 min. 5 min. 3 min. 5 min. 3 min. Species Heard: 5 min. 3 3 3 3 3 NSPE 3 3 Comments: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. Call Index Value:

3 = Full chorus, calls continuous and overlapping

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey)

Wind Scale: 0 = Smoke rises vertically.

*4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

1 = Light air movement, smoke drifts. 2 = Wind felt on face, leaves rustle.

*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion. * Unacceptable wind strengths for survey.

Anuran Call Count Survey Continuation Sheet **Point Data** Survey Date: 4/10/0 Refuge Route: 9 10 Start Time Air Temperature (°F) Sky Code Was noise a factor? $(\checkmark = yes)$ Did you take a timeout? (✓= yes) Species Heard: 3 min. 5 min. NSPE 3 3 WOFR 3 3 Comments: 11 12 13 14 15 Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes) Did you take a timeout? (✓= yes) Species Heard: 3 min. 5 min. Comments:

Survey Point Field Map

Survey Date: 4/10/01 Run Number: Refuge Route:

Point Number: W/H 239

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2018	52	1	/		

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey)

Wind Scale: 0 = Smoke rises vertically.

*4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

1 = Light air movement, smoke drifts. 2 = Wind felt on face, leaves rustle.

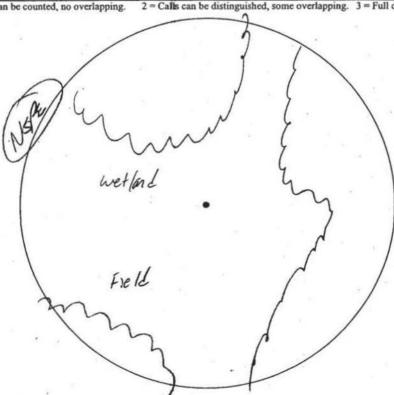
*6 = Large branches in motion.

Species Heard:	3 min.	5 min.									
NSPE	3	3					٠.				-
-			*								

Comments:

1 = Calls can be counted, no overlapping.

2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



Observer: _	K. Holumb	Refuge Route:	central	Survey Date:	4/10/01	Run Number:	_

Point Number: WIK244

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2030	53	1	0		

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

7 = Snow

2 = Cloudy (broken) or overcast. *8 = Showers (do not conduct survey) 4 = Fog / Smoke

5 = Drizzle / light rain

Wind Scale: 0 = Smoke rises vertically. 1 = Light air movement, smoke drifts. *4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

1 = Light air movement, smoke drifts.2 = Wind felt on face, leaves rustle.

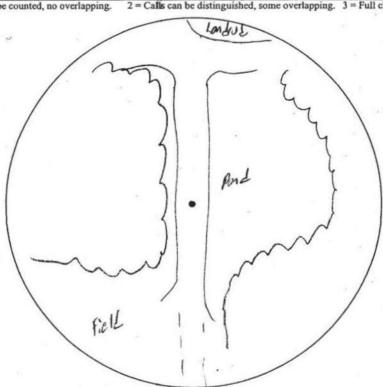
*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

		min.	min.	min.	min.
		4.			
			.,		,

Comments:

Call Index: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



TIME A

lumber: W/A	1270				Point	Data					
Start Ti	me	Air Tei	np (°F)	Wind	Scale	Sky Co	nde	Nois (✓ =	7,144	Timeout	
2050	-	5	2	/	*****	0)				-
Wind Scale: 0 1 = 2 =	Drizzle / l = Smoke = Light air = Wind fel	ight rain rises vertica movement, t on face, le	7 = Snow lly. smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (compared to the state of the	do not cond c, raises dus egin to sway	t and loose , crested w		/ Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	n
WFR	3	3									
ABPE	3	3									
AMTO	3	3									
Call Index: 1 =	Calls can	be counted,	no overlappin	g. 2 = Ca	lks can be di	istinguished, son	ne overlapp	ing. 3 = Fu	Il chorus, con	tinuous & ov	erlap
		/	1.03	phod				X	~		
	iei		uc)		-	14			\		
	iei			60	FR		FAM	الله المالية			

. .

Start Ti	ime	Air Tei	np (°F)	Wind	Point Scale	Sky Co	ode	Noi (/=	se? yes)	Timeout	
2/02	-	50	T	1		0					
Wind Scale: 0	Drizzle / li = Smoke : = Light air = Wind fel:	ght rain rises vertica movement, t on face, le	7 = Snow ally. smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (be *8 = Showers (a branches move trees in leaf be branches in m eptable wind stre	do not cond c, raises du egin to sway	<i>luct survey)</i> st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPE	3	3								10	
				1							-
	197						1				
Call Index: 1	= Calls can	be counted,	no overlappin	g. 2 = Cal	ls can be di	stinguished, son	ne overlapp	sing. 3 = Fo	ull chorus, con	tinuous & ov	erlap
		_	1 1 1	3		he ll	~	Jan	× ~		

	1	/ .			And the same of th		
Observer:	Kevin	Holamb	Refuge Route: _	central	Survey Date:	4/10/01	Run Number:
	DUST BOOK	1					

Point Number: W/K 240 Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2110	52	/	/		

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

*4 =Small branches move, raises dust and loose paper.

4 = Fog / Smoke

5 = Drizzle / light rain

7 = Snow

*8 = Showers (do not conduct survey)

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.2 = Wind felt on face, leaves rustle.

*5

*5 = Small trees in leaf begin to sway, crested wavelets.

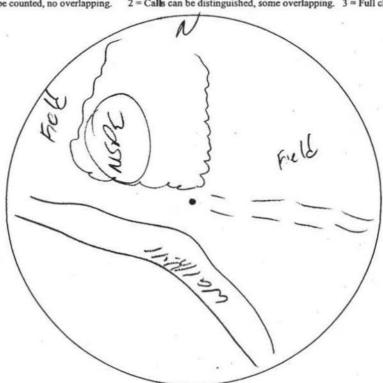
*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
USPE	3	3								× .	
								9	2		1
Comments											

Comments:

Call Index: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



Survey Point Field Map

18 Halland Refuge Route: Godal

Survey Date: 4/0/01 Run Number:

Point Number: WIK 253

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken' (✓= yes)
2140	52	1	1	W-1	

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast. *8 = Showers (do not conduct survey) 4 = Fog / Smoke

5 = Drizzle / light rain

Wind Scale: 0 = Smoke rises vertically. 1 = Light air movement, smoke drifts. *4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle.

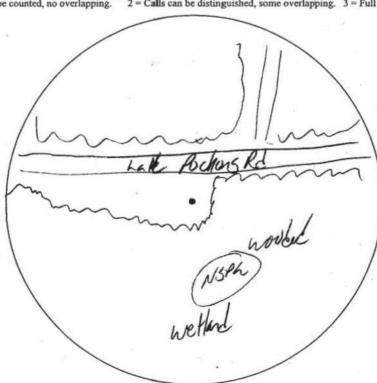
*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twiss in motion.* Unaccentable wind strengths for survey.

Species Heard:	3 min.	5 min.									
USPE	3	3					ν,				
			-							1/4	
				-				-		н	, X

Comments:

Call Index: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



Observer: Kein Helens Refuge Route: Central Survey Date: 4/5/5/ Run Number:

Point Number: 1 #14

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2200	51	1	1		

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

7 = Snow

2 = Cloudy (broken) or overcast. *8 = Showers (do not conduct survey) 4 = Fog / Smoke

5 = Drizzle / light rain

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

rifts #

*4 = Small branches move, raises dust and loose paper.

*5 = Small trees in leaf begin to sway, crested wavelets.
*6 = Large branches in motion.

2 = Wind felt on face, leaves rustle.

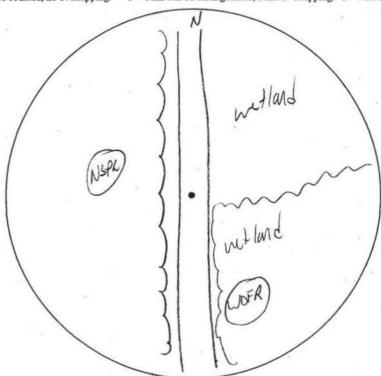
*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion.* Unacceptable wind strengths for survey.

				min.	min.		min.	min.
3								
3								
						#		
	3	3	3	3	3	3	3	3

Comments:

Call Index: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping.



Survey Point Field Map

Point Number: W/K 228

Point Data

Start Time	Air Temp (°F)	Wind Scale	Sky Code	Noise? (✓ = yes)	Timeout taken? (✓= yes)
2217	55	1	/		

Sky Code: 0 = Clear / few clouds.

1 = Partly cloudy / variable.

7 = Snow

2 = Cloudy (broken) or overcast. *8 = Showers (do not conduct survey) 4 = Fog / Smoke

5 = Drizzle / light rain

Wind Scale: 0 = Smoke rises vertically. 1 = Light air movement, smoke drifts. *4 =Small branches move, raises dust and loose paper. *5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle.

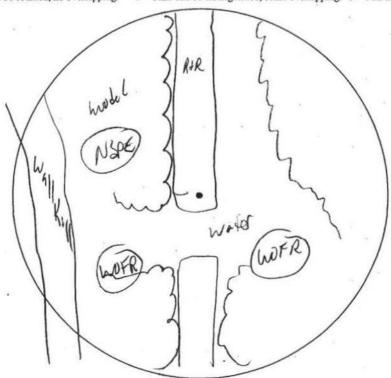
*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twips in motion* Unacceptable wind strengths for survey.

Species Heard:	3 min.	5 min.									
NSPL	3	3			1)					- 1	, 11
NSPC	3	3									
								-	. ,	-	

Comments:

2 = Calls can be distinguished, some overlapping. 3 = Full chorus, continuous & overlapping. Call Index: 1 = Calls can be counted, no overlapping.



Observer: Krin Hokemb Refuge Route: Centra/ Survey Date: 4/30/01 Run Number: 2 **Survey Data** Temp (°F) Wind Scale Sky Code Time Start Finish 79/ Point Data Start Time Air Temperature (°F) Sky Code Was noise a factor? $(\checkmark = yes)$ Did you take a timeout? (✓= yes) 5 min. 5 min. 5 min. Species Heard: 3 min. 5 min. 3 min. 3 min. 3 min. 3 min. 5 min. Comments: 3 = Full chorus, calls continuous and overlapping. 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. Call Index Value: 1 = Partly cloudy / variable. 2 = Cloudy (broken) or overcast. 4 = Fog / Smoke Sky Code: 0 = Clear / few clouds. 5 = Drizzle / light rain 7 = Snow*8 = Showers (do not conduct survey) Wind Scale: 0 = Smoke rises vertically. *4 =Small branches move, raises dust and loose paper. I = Light air movement, smoke drifts. *5 = Small trees in leaf begin to sway, crested wavelets.

*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion. * Unacceptable wind strengths for survey.

2 = Wind felt on face, leaves rustle.

Point Data

Continuation Sheet

Refuge Route:	/	_#	827						Survey Date	= 2
	WIK	255		7		3		9	1	0
Start Time	20	210								
Air Temperature (°F)	6	6.3								
Sky Code		0		*						
Was noise a factor? (✓ = yes)										
Did you take a timeout? (✓= yes)										
Species Heard:	3 min.	5 min.	3 min.	5 min.						
NSPE	3	3				- 5				
Comments:						12				
	1	1	1	2	1	3	1	4	1	5
Start Time										
Air Temperature (°F)										
Sky Code										
Was noise a factor? (✓ = yes)										
Did you take a timeout? (✓= yes)										
Species Heard:	3 min.	5 min.	3 min.	5 min.						
								9		
4000										
					3		4			
Comments:										

Start Ti	me	Air Ter	np (°F)	Wind S	Scale	Sky Co	ode	Nois (✓ =	72.7	Timeout (√= y	
2100		.5	8	1		0		N-	-/		
Wind Scale: 0	Drizzle / li = Smoke r = Light air = Wind felt	ght rain ises vertica movement, on face, lea	7 = Snow	·	*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (a branches move trees in leaf be branches in m eptable wind stre	do not cond c, raises dus egin to sway	t and loose , crested w		Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	n
NSPE	3	3					,				
Call Index: 1	= Calls can	be counted,	no overlappin	g. 2 = Cal	lls can be di	stinguished, sor	ne overlapp	ing. 3 = Fu	ll chorus, cont	inuous & ov	erlap
		/	/	E			- 0		* 1		
									\		

umber: [w]	100	-			Point	Data					
Start Ti	ime	Air Te	mp (°F)	Wind	Scale	Sky Co	ode	Noi (√ =	se? yes)	Timeout (/=)	
2//3	5	5	6	1		0		N.	-/		
Wind Scale: 0	Drizzle / I = Smoke = Light air = Wind fel	light rain rises vertica r movement It on face, le	7 = Snow ally. , smoke drifts aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b: *8 = Showers (a branches move I trees in leaf be branches in m eptable wind stre	, raises du gin to swa otion.	duct survey) st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mir
NSPE	3	3			5	1.	- 4			×	
						189				-	
		-		-				- 4		ļ	
Comments:	= Calls can	be counted,	no overlappin	g. 2 = Cal	lls can be di	istinguished, son	ne overlapp	ing. 3 = F ₁	ill chorus, conti	nuous & ov	erlappi
			/					· ·			
lock	far					*					
101	,	1	*2								

Start Ti	me	Air Ter	mp (°F)	Wind 8	Scale	Sky Co	ode	Noi: (✓ =	se? yes)	Timeout (✓= y	
2/2	2	5.	3	/_		0		N-1	/		
Wind Scale: 0	= Smoke = Light air = Wind fel	ight rain rises vertica r movement, it on face, lea	7 = Snow		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b. *8 = Showers (c. branches move trees in leaf be branches in m eptable wind stree	do not cond c, raises du gin to swa totion.	<i>luct survey)</i> st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	n
NSPE	3	3	185-				H ₂			-	14
GRFR	1	1								10.0	
PIFR	/	2						+			_
Call Index: 1	= Calls can	be counted,	no overlapping	g. 2 = Cal	ls can be di	istinguished, son	ne overlapp	ing. 3 = Fu	ill chorus, cont	inuous & ov	erlap
0		/						-			
7						3			\	. V . 20 2	

Start Tir	me	Air Ten	np (°F)	Wind	Point Scale	Sky Co	ode	Nois		Timeout (/=)	
2138	T	6	/	2		C	>	N-	/		
Wind Scale: 0 1 = 2 =	Drizzle / li = Smoke r Light air Wind felt	ght rain ises vertical movement, on face, lea	7 = Snov lly. smoke drifts eves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (be *8 = Showers (a branches move trees in leaf be branches in m ptable wind stre	do not cond c, raises du egin to swa otion.	st and loose y, crested w		Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPE	3	3			4						
PIFR	1	1				***					
			2.50								
Comments:					30					1.	
	Calls can	be counted,	no overlappin	g. 2 = Cal	ls can be di	stinguished, som	ne overlapp	ing. 3 = Fu	Il chorus, cont	tinuous & ov	erlap
	Calls can	be counted,	no overlappin	g. 2 = Cal	ls can be di	stinguished, son	ne overlapp	ing. 3 = Fu	Il chorus, cont	tinuous & ov	erlap

Start Tir	ne	Air Tei	mp (°F)	Wind	Scale	Sky Co	ode	Noi (/=	se?	Timeout	
2150	-	5	5	/		0		N-			
Sky Code: 0 = 5 = 1 Wind Scale: 0	Clear / fe Drizzle / li = Smoke : Light air	ight rain rises vertica movement,	7 = Snow		*4 =Small *5 = Smal	2 = Cloudy (b: *8 = Showers (c: branches move trees in leaf be branches in m	do not cond e, raises du egin to swa	<i>luct survey)</i> st and loose	paper.	Smoke	
				gs in motio	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPE	/	/					4,				
				-						-	_
									-	1	
Comments:											1
	Calls can	be counted,	no overlapping	2 = Cal	lls can be d	stinguished, son	ne overlapp	ing. 3 = F ₁	ull chorus, cont	inuous & ov	erlap
	Calls can	be counted,	no overlapping	2 = Cal	lls can be d	stinguished, son	ne overlapp	ing. 3 = Fi	ull chorus, cont	inuous & ov	erlapj

			T		romu	Data		Noi	se?	Timeout	taken
Start Ti	me	Air Te	mp (°F)	Wind	Scale	Sky Co	ode		yes)	· (✓=)	
2214	>	6:	3	ó	2	0		N	-/		
Wind Scale: 0 1 = 2 =	Drizzle / li = Smoke i Light air Wind felt	ight rain rises vertica movement t on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (branches move trees in leaf be branches in me eptable wind str	do not cond e, raises du egin to sway	uct survey) st and loose y, crested w	paper.	/ Smoke	
Species . Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPE	3	3			1 1						Я.,
									747	-	
Comments:											
	Calls can	be counted,	no overlapping	2 = Cal	lls can be di	stinguished, sor	ne overlapp	ing. 3 = Fu	ill chorus, con	tinuous & ov	erlapj
	• Calls can	be counted,	no overlapping	. 2 = Cal	lls can be di	stinguished, sor	me overlapp	ing. 3 = Fu	ill chorus, con	tinuous & ov	erlapj
	Calls can	be counted,	no overlapping	. 2 = Cal	ils can be di	stinguished, sor	me overlapp	ing. 3 = Fu	all chorus, con	tinuous & ov	erlapj

				S	urvey D	ata					
			Time		Temp (°F)) W	ind Scale	Sky C	Code		
	Start		203	8	68		0	0			ck-27
	Finish		230	9	58		/	0	>		/
		*	779	78	ತ್ತಿಂ Point Da	ta 7	181	7	82	6	#8
		WIK 1	228		2 225	WIK:	23/		1 232	WIK	5 254
Start Time		20	38	20	45	21	10		28		35
Air Temperature (°F)			8	11	58		52	11	0	3	9
Sky Code		(>		0		0		0		Ó
Was noise a factor?	(✓ = yes)		16								
Did you take a timeout?	(✓= yes)		,								
Species Heard:		3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min
NSPE		3	3	3	3	3	3	3	3	3	3
Amro				1	1					/	1
GRAT		1 0									1
		*									
· · · · · · · · · · · · · · · · · · ·				L		<u> </u>	L				
Comments:											

Sky Code: 0 = Clear / few clouds.

1 = Light air movement, smoke drifts.

5 = Drizzle / light rain 7 = Snow

2 = Cloudy (broken) or overcast. *8 = Showers (do not conduct survey) 4 = Fog / Smoke

*4 =Small branches move, raises dust and loose paper. Wind Scale: 0 = Smoke rises vertically. *5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle. *6 = Large branches in motion.

1 = Partly cloudy / variable.

3 = Gentle breeze, leaves and small twigs in motion. * Unacceptable wind strengths for survey.

	Anuran Ca										
Refuge Route:	outh	7	183	7	94	78	35	7	86	Survey Date	2
- 10	u		247		252				9 237		0235
Start Time			05		15		122		241		146
Air Temperature (°F)			2		5/	7.1	/	6	2	II.	2
Sky Code		0			0	-	5		0		2
Was noise a factor? (/ = yes)										
Did you take a timeout? (✓= yes)										
Species Heard:	_3	min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
NSPE		3	3	3	3	3	3	3	3	3	3
PIFR			/								
AMTO				3	3	2	2	/	/		
				-						-	
	_							-			
7.772				11	1 1	1		11			
Comments:											
Comments:											
Comments:		78	18		789						
Comments:	4			w/K1	789	1	3	1	4	1	5
Comments:	4	JK 1	233		2 234	1	3	1	4	1	5
	4	NK 1	233	23		1	3	1	4	1	5
Start Time	4	11K 1	1233	23	2 234 309	1	3	1	4	1	5
Start Time Air Temperature (°F) Sky Code	/ = ycs)	11K 1	0	23	2 234 309 8	1	3	1	4	1	5
Start Time Air Temperature (°F) Sky Code	/ = ycs)	11K 1	0	23	2 234 309 8	1	3	1	4	1	5
Start Time Air Temperature (°F) Sky Code Was noise a factor? (4	/ = yes) /= yes)	11K 1	0	23	2 234 309 8	3 min.	3 5 min.	3 min.	4 5 min.	3 min.	5 min.
Start Time Air Temperature (°F) Sky Code Was noise a factor? () Did you take a timeout? () Species Heard:	/ = yes) /= yes)	JIK 11 230 6	0	23	2 234 309 8						
Start Time Air Temperature (°F) Sky Code Was noise a factor? (Did you take a timeout? (Species Heard:	/ = yes) /= yes)	11K 11 236	1 233 00 0	3 min.	2 234 309 8						
Start Time Air Temperature (°F) Sky Code Was noise a factor? () Did you take a timeout? () Species Heard:	/ = yes) /= yes)	11K 11 236	1 233 00 0	3 min.	2 234 309 8						
Start Time Air Temperature (°F) Sky Code Was noise a factor? (Did you take a timeout? (Species Heard:	/ = yes) /= yes)	MK 11 236 6 min. 3	5 min.	3 min.	2 234 309 8						
Start Time Air Temperature (°F) Sky Code Was noise a factor? (• Did you take a timeout? (Species Heard: USPE GRER AMTO	/ = yes) /= yes)	MK 11 236 6 min. 3	5 min.	3 min.	2 234 309 8						
Start Time Air Temperature (°F) Sky Code Was noise a factor? (• Did you take a timeout? (Species Heard: USPE GRER AMTO	/ = yes) /= yes)	MK 11 236 6 min. 3	5 min.	3 min.	2 234 309 8						
Start Time Air Temperature (°F) Sky Code Was noise a factor? (** Did you take a timeout? (** Species Heard: ** ** ** ** ** ** ** ** **	/ = yes) /= yes)	MK 11 236 6 min. 3	5 min.	3 min.	2 234 309 8						

					Tome	Data		No	ise?	Timent	
Start Ti	me	Air Ter	np (°F)	Wind	Scale	Sky Co	ode		yes)	Timeout (✓=)	
203	38	6	8	0	2	0)	N-	1		
Wind Scale: 0	Drizzle / li = Smoke : = Light air = Wind fel	rises vertica movement, t on face, les	7 = Snov lly. smoke drifts aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in me eptable wind stre	to not cond c, raises du egin to swa	iuct survey) st and loose y, crested v	e paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min
NSPE	3	3								-	
										177	
				-			-			ļ.,	1
Comments:	Calle can	be counted	no overlappin	σ 2 = Cal	lls can be di	stinguished, son	ne overlapp	ing 3=F	ull chorus cont	inuous & ov	erlann
Juli Muser,	-										
		/	/ .								
en den o											

	11/22				Point	Data					
Start Ti	ime	Air Te	mp (°F)	Wind	Scale	Sky C	ode	Noi (✓=	se? · yes)	Timeout (✓=)	
209	15	68	7		>	0		N	-/		
Wind Scale: 0	Drizzle / = Smoke = Light air = Wind fe	light rain rises vertica r movement It on face, le	7 = Snow	L.	*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (branches move t trees in leaf be branches in meptable wind str	do not cond e, raises dus egin to sway notion.	uct survey) at and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mi
NSPE	3	3								201	- ,
				-				1,			
					1		3				
Comments:	= Calls can	be counted,	no overlappin	ng. 2 = Cal	lls can be di	stinguished, sor	ne overlapp	ing. 3 = Fu	ıll chorus, conti	nuous & ov	erlappi
to (f):										AL 2	
					Ä	ř		- \	\		× 21

27	T	-			7 01111	Data	Т	Noi	507	Timeout	takan
Start Ti	me	Air Ter	mp (°F)	Wind	Scale	Sky Co	ode		yes)	(√= y	
2/16	5	60	2			0		N	/		
Wind Scale; 0 1 = 2 =	Drizzle / li = Smoke i - Light air - Wind feli	ight rain rises vertica movement, t on face, le	7 = Snow		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (continue) branches move trees in leaf be branches in m eptable wind stre	do not cond c, raises dus egin to sway	uct survey) st and loose y, crested w	paper.	+	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mi
NSPE	3	3			0		- 4			: u	
								3	1		
											11
Comments:			3 1			9				. %	9 ²¹
Call Index: 1 =	Calls can	be counted,	no overlappin	g. 2 = Ca	lls can be di	stinguished, son	ne overlapp	ing. 3 = Fu	Il chorus, cont	inuous & ov	erlappi
(4)		,	/.					\			
1				54		*			\		
		/							\		

C	. 1	Air Tei	(9E)	Wind		Data Sky Co		Noi		Timeout	
Start T	7	Air Tei	np (T)	Wind ,	Scale	SKYC	de	N-	yes)	(√ =)	es)
Wind Scale: (1	Drizzle / I = Smoke = Light air = Wind fel	rises vertica movement, t on face, les	7 = Snov Ily. smoke drifts ives rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (contracts) branches move trees in leaf be branches in manufactured	do not cond e, raises du egin to swa totion.	st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min
USPE	3	3			1.,		,			3-	. 5
						-				-	
				-							
Comments:	1	be counted,	no overlappin	g. 2 = Ca	Is can be di	stinguished, son	ne overlapp	ing. 3 = Fu	ill chorus, cont	inuous & ov	erlappin
			/.								
K- (X)		/						1		7	

					T OIM	Data	Т	Noi	se?	Timeout	taken
Start Ti	me	Air Tei	mp (°F)	Wind	Scale	Sky Co	ode	(√ =	yes)	(/= <u>)</u>	144 355 AV
213	5	5	7	/		0		N-	/		
Wind Scale: 0 1 = 2 = 3 =	= Smoke : Light air Wind fel	rises vertica movement t on face, le	7 = Snow	i.	*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in m eptable wind stre	, raises dus egin to sway otion.	t and loose c, crested w	paper. avelets.		
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mir
NSPE	3	3								1	
AMTO	1	1									
GRAT	1	1									
			L	1	L	L				L	
Comments:					in the second					÷.	
Call Index: 1 =	Calls can	be counted,	no overlappin	g. 2 = Ca	ls can be di	stinguished, son	ne overlappi	ng. 3 = Fu	ill chorus, conti	nuous & ov	erlappi
									9 9 9		
	- E	-	/ .				110	/	į.	2 1	
							2.5	1	× y	i i	
						361		/	\		
		/						*	1		

Start Ti	me	Air Te	mp (°F)	Wind	Scale	Sky Co	ode	Nois (√ =		Timeout	
2204		6	2	1	,	0		N-	,		
Wind Scale: 0	Drizzle / li = Smoke i = Light air = Wind fel	ght rain rises vertica movement t on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (continue) branches moved trees in leaf be branches in meptable wind stre	do not cond e, raises dus egin to sway notion.	st and loose y, crested w		/ Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPE	3	3								-	
PIFR				ļ						-	-
				-						+	
Comments:	= Calls can	be counted,	no overlapping	2 = Cal	lls can be di	stinguished, son	ne overlapp	ing. 3 = Fu	ll chorus, con	tinuous & ov	erlap
*		/	/.					1			
						·					
			4								

FWS Anuran Call Con

Start Ti	ime	Air Tei	mp (°F)	Wind	Scale	Sky Co	ode	Noi	se? yes)	Timeout	
2215		6/	/	/	/	C)	N-			400
Vind Scale: 0	Drizzle / I = Smoke = Light air = Wind fel	ight rain rises vertica movement t on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (continue) branches move trees in leaf be branches in m eptable wind str.	do not cond e, raises du egin to swa notion.	<i>duct survey)</i> st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	I
NSPE	3	3			15						I
AMTO	3	3		-							+
Comments:											I
all Index: 1	= Calls can	be counted,	no overlapping	g. 2 = Ca	lls can be di	stinguished, son	ne overlapp	oing. $3 = F_1$	ıll chorus, con	inuous & ov	re
		i 9									
* //		/						1			

FWS Anuran Call Cou

					Point	Data				-	
Start Tir	ne	Air Te	mp (°F)	Wind	Scale	Sky Co	ode	Nois (✓ =		Timeout (✓=	
220	2	6						N	1		
Wind Scale: 0 = 1 = 2 =	Drizzle / l = Smoke Light air Wind fel	ight rain rises vertica r movement It on face, le	7 = Snow ally. s, smoke drifts. eaves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in m eptable wind stre	do not cond c, raises dus egin to sway	uct survey) st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	T
NSPE	3	3								*	
AMTO	2	2							15.00		1
	-	-									+
Comments:	Calls can	be counted.	, no overlapping	2 = Ca	lls can be di	stinguished, son	ne overlapp	ing. 3=Fu	all chorus, con	tinuous & ov	verl
		\$ P	, ,				\	,			¥.
÷		/	/ ,					/			
32						*		- \			
	1	-	14		•						

TEXXIC

umber: Wh	as	_			Point	Data					
Start Tin	ne	Air Ter	np (°F)	Wind	Scale	Sky Co	ode	Noi (✓ =	se? yes)	Timeout	
2241		6	2		/	0		N-	/		
Wind Scale: 0 = 1 = 2 =	Prizzle / I Smoke : Light air Wind fel	ight rain rises vertica movement, t on face, les	7 = Snow lly. smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (branches move trees in leaf be branches in me eptable wind str	do not cond , raises du gin to swa lotion.	luct survey) st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mi
NSPE	3	3			1.41						1
AMID		1	-								
								-		-	
Comments:											
Call Index: 1 =	Calls can	be counted,	no overlapping	2. 2 ≠ Cal	lls can be di	stinguished, sor	ne overlapp	ing. 3 = Fu	ill chorus, cont	inuous & ov	erlapp
*	1/2		/.					\			
			ice.					-		*	41
									1		

Start Tir	ne l	Air Te	mp (°F)	Wind	Scale	Sky Co	ode		ise? = yes)	Timeout	
2246			2		/			N-			
Sky Code: 0 = 5 = 1 Wind Scale: 0 1 =	Clear / fe Drizzle / li = Smoke : Light air	ght rain rises vertica movement	7 = Snow		*4 =Small *5 = Small	2 = Cloudy (bi *8 = Showers (a branches move trees in leaf be branches in m	do not cond , raises du gin to swa	overcast. luct survey,	4 = Fog/	Smoke	
				3 min.		Species Heard:		5 min.	Species Heard:	3 min.	
NSPE	3	3			- 1						
				ļ							
								-			L
Comments:							l	l			-
Comments:	Calls can	be counted,	no overlapping	2. 2 = Cal	lls can be di	stinguished, son	ne overlapp	ing. 3 = F	ull chorus, conti	inuous & ov	erlap
	Calls can	be counted,	no overlapping	2. 2 = Cal	lls can be di	stinguished, son	ne overlapp	ing. 3 = F	ull chorus, conti	inuous & ov	erlaŗ

					Point	Data	— т			m.	
Start Ti	ime	Air Ter	np (°F)	Wind	Scale	Sky C	ode	Noi: (✓ =		Timeout (✓=)	4
230	O	6	0			0		N	1		
2	= Light air = Wind fel	r movement, It on face, lea	smoke drifts aves rustle.		*5 = Small *6 = Large	branches move trees in leaf be branches in m ptable wind str	egin to sway	, crested w		I	1
Heard:	3 min.	5 min.	Heard:	3 min.	5 min.	Heard:	3 min.	5 min.	Heard:	3 min.	m
NEPE	3	3									,
GRFR	1	1		<u></u>						*1	
AMTO	2	2		-				+:			_
Comments:			<u> </u>		ليا					L	
										4	
Call Index: 1:	= Calls can	be counted,	no overlappin	g. 2 = Cal	lls can be di	stinguished, sor	ne overlapp	ing. 3 = Fu	ill chorus, conti	nuous & ov	erlapp
								-			
								\			

FWS Anmran Call Cou

	K23				Point	Data					
Start Ti	ne	Air Te	mp (°F)	Wind	Scale	Sky Co	ode	Noi: (✓ =		Timeout (✓=)	
230	9	58		(/		>	N-	-/	4.546	
Wind Scale: 0 1 = 2 =	Drizzle / l = Smoke Light air Wind fel	ight rain rises vertica movement t on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (a branches move trees in leaf be branches in m ptable wind stre	, raises du gin to swa otion.	<i>fuct survey)</i> st and loose y, crested w		Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	
NSPE	3	3				-					
GRAT		/									
		-		-						-	L
Comments:	-		L			L				J	
Comments.											
Call Index: 1 =	Calls can	be counted,	no overlapping	2 = Cal	lls can be di	stinguished, son	ne overlapp	ing. 3 = Fu	ll chorus, con	inuous & ov	erla
		* *							= 2		
9.			/						7 3 E 8 E	ASE 1	
		/									
						4					
								#0			
			92								
									1 .	4	
								il e			

vey in Cores Survey Date: 5/2/01 Run Number: 2 North Refuge Route: Survey Data Wind Scale Sky Code Time Temp (°F) Start Finish Point Data 771 769 770 WIK 4 207 5 209 Start Time Air Temperature (°F) Sky Code Was noise a factor? (/ = yes) Did you take a timeout? (✓= yes) Species Heard: 3 min. 5 min. 3 2 3 Comments: 1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping. 3 = Full chorus, calls continuous and overlapping. Call Index Value: 1 = Partly cloudy / variable. 2 = Cloudy (broken) or overcast. 4 = Fog / Smoke Sky Code: 0 = Clear / few clouds. *8 = Showers (do not conduct survey) 5 = Drizzle / light rain 7 = Snow

Wind Scale: 0 = Smoke rises vertically.

*4 =Small branches move, raises dust and loose paper.

1 = Light air movement, smoke drifts.

*5 = Small trees in leaf begin to sway, crested wavelets.

*6 = Large branches in motion. 2 = Wind felt on face, leaves rustle.

3 = Gentle breeze, leaves and small twigs in motion. * Unacceptable wind strengths for survey.

	Call Co	unt Surve	ey	Point I	Data	Co	ntinuatio	n Sheet		
Refuge Route: Nor f.	4 772	2	,	773	7	74	7	75	Survey Date	5/2/
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		6 216				8 213				10 212
Start Time	21		II .	3.3	1	42	1	150	11	200
Air Temperature (°F)	4	52	1	1	II.	2		63	6	
Sky Code		5		2	/	2		0		2
Was noise a factor? (✓ = yes)									-	
Did you take a timeout? (✓= yes)							,			
Species Heard:	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
NSPE	3	3	3	3	3	3	3	3	3	3
GRAT	3	3	1	1						
GRFR	,	1								
AMTO			2	2			3	3	2	2
PIFR			-		1	1				7
, 2 / A				1						
Comments:										
	77	7	7	778					2013 No. 2013	
	WIK 1	1 2/2	WIKI	12 219	1	3	1	4	1	15
Start Time	22	18	20	230						
Air Temperature (°F)	6		H .	2						
Sky Code	H	,	ti .	0						
Was noise a factor? (✓ = yes)										
Did you take a timeout? (✓= yes)										
Species Heard:	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
NS PE	3	3	3	3						
PIFR	1	1								
AMTO			1	1						
77 117 7 0										
					100					
	II .	1	11	1 1					11	1

Start Ti	me	Air Tei	np (°F)	Wind	Scale	Sky Co	ode	Nois	3.5.20	Timeout (√=)	7000
202		64			/	C	>	N-			
Wind Scale: 0	Drizzle / li = Smoke i = Light air = Wind fel	ight rain rises vertica movement t on face, le	7 = Snow ally. smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (continued to the state of the	c, raises dus egin to sway	fuct survey) st and loose y, crested w		Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mi
NSPE	3	3					- 5				
			4	-						**	_
		-		-					-		_
Call Index: 1	= Calls can	be counted,	no overlappin	g. 2 = Cal	lls can be di	stinguished, sor	ne overlapp	ing. 3 = Fu	Il chorus, con	inuous & ov	erlapp
		/							1	4	4

		Γ			Point	Data		N. 1	. T		
Start Ti	ime	Air Te	mp (°F)	Wind	Scale	Sky C	ode	Noi (✓=	yes)	Timeout (✓=)	
203	32	2	0		/	0	,	N.	-/		
Wind Scale: 0	Drizzle / = Smoke = Light air = Wind fe	light rain rises vertica r movement It on face, le	7 = Snow ally. , smoke drifts aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (branches move trees in leaf be branches in n eptable wind str	do not cond e, raises dus egin to sway	luct survey) st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mi
NSPE	3	3									
APTO	2	2									
										11	
Comments:	= Calls can	be counted,	no overlappin	ig. 2 = Cal	ls can be di	istinguished, sor	ne overlapp	ing. 3 = F _V	ill chorus, conti	nuous & ov	erlappi
	ŧ		<u> </u>	8	N	SPE			\		

Start Ti		Air To	mp (°F)	Wind	Scale	Sky C	ode	Noi:	se?	Timeout (✓= y	
2040	ine	66		Willia	/	ORYC	oue	N		(V - y	es)
Vind Scale: 0 1 = 2 =	Drizzle / I = Smoke • Light air • Wind fel	ight rain rises vertica movement t on face, le	7 = Snov ally. , smoke drifts. aves rustle.	•	*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (branches move trees in leaf be branches in meptable wind str	do not cond e, raises du egin to swa totion.	luct survey) st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mii
NSPE	3	3			75						
AMTO	3	3									
PIFR	1	1	*						E	7	G T
GRFR	1				W S						
Comments: Call Index: 1 =	- Calls can	be counted,	no overlappin	g. 2 = Ca	lls can be di	istinguished, son	me overlapp	ing. $3 = F_k$	all chorus, cont	inuous & ov	erlappi
77		*			*				*		
			/	PIFI					*		

		-	1		Point			Nois	se?	Timeout	taken
Start Ti	me	Air Ter	mp (°F)	Wind	Scale	Sky Co	ode	(√ =	yes)	(√ = y	es)
2050	2	6	4	ó		0		N	-/		
Wind Scale: 0 1 =	Drizzle / li = Smoke r Light air	ght rain rises vertica movement,	7 = Snov		*4 =Small *5 = Small	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in m	do not cond e, raises dus egin to sway	<i>luct survey)</i> st and loose		Smoke	
Species Heard:	Gentle br	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPE	3	3									Χ,
		2								4	
AMTO	.3	9	1								
GRAT	3	3						-	¥		
GRAT	3	1							1		the area
AMTO GRAT Comments:	3_/	1	,						2	. 3.	
GRAT	1	1	no overlappin			stinguished, son	ne overlapp	ing. 3 = Fu	ill chorus, cont	inuous & ov	erlapp
GRAT Comments:	1	1	no overlappin			astinguished, soi	ne overlapp	ing. 3 = Fu	all chorus, cont	inuous & ov	erlapj
GRAT Comments:	1	1	no overlappin				ne overlapp	ing. 3 = Fu	all chorus, cont	inuous & ov	erlap

Start Ti	me	Air Ter	np (°F)	Wind	Scale	Sky Co	ode	Nois (✓ =	1000	Timeout (√= y	
2100		60		1		0		N-	-/		
Wind Scale: 0 1 = 2 =	Drizzle / li = Smoke r = Light air = Wind felt	ght rain ises vertica movement, on face, les	7 = Snow lly. smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (a branches move trees in leaf be branches in m eptable wind stre	do not cond , raises du egin to swa otion.	<i>duct survey)</i> st and loose y, crested w		Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPE	3	3			1		1.				
AMTO	3	3									
GRAT	1		•						IX.		5.
Comments:											
Comments:	= Calls can	be counted,	no overlappin	g. 2 = Cal	ls can be di	istinguished, sor	ne overlapp	ing. 3 = Fu	ill chorus, cont	tinuous & ov	erlap
	= Calls can	be counted,	no overlappin	g. 2 = Cal	ls can be di	istinguished, sor	ne overlapp	ing. 3 = Fu	ill chorus, cont	tinuous & ov	erlapj
	= Calls can	be counted,	no overlappin	g. 2 = Cal	lls can be di	stinguished, sor	ne overlapp	ing. 3 = Fu	ill chorus, cont	tinuous & ov	erlap
	= Calls can	be counted,	no overlappin		ls can be di	istinguished, sor	ne overlapp	ing. 3 = Fu	all chorus, cont	tinuous & ov	erlap

•	-				A OIII	Data		Noi	se?	Timeout	taken
Start Ti	me	Air Ter	np (°F)	Wind	Scale	Sky Co	ode		yes)	(√ = :	
ZIK		6	2	6	?	0		N	-/		
Vind Scale: 0 1 = 2 =	Drizzle / li = Smoke r Light air Wind felt	ght rain rises vertica movement t on face, le	7 = Snow lly. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (branches move trees in leaf be branches in m eptable wind str	do not cond e, raises du egin to swa notion.	st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	mi
NSPE	3	3			- 4					5.	
GRAT	3	3									
GAFR	1	/								2	_
Comments:	Calls can	be counted,	no overlappin	g. 2 = Cal	ls can be d	istinguished, so	ne overlapp	ing. 3 = Fi	ill chorus, con	iinuous & ov	verlapp
·		a)			,			· ·		2	
	e		GRFR			(I) (M)					

			T			Data		Noi		Timeout	
Start Ti	-	Air Tei	np (°F)	Wind		Sky Co	ode	(/=	yes)	(√ = 9	(es)
2/3	3	6	/	d		0					
Wind Scale: 0	Drizzle / I = Smoke = Light air = Wind fel	ight rain rises vertica movement t on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in m eptable wind stre	do not cond c, raises du egin to sway	luct survey) st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mi
NSPC	3	3								F	
GRAT	1	1									
AMTO	2	2							- 4		
Call Index: 1 =		*				stinguished, sor			10		
*	880	/					4	1		÷	
										8	3
		1							1		

Start Ti	me	Air Ter	np (°F)	Wind		Data Sky Co	ode	Nois		Timeout (✓= y	7
2140	-	60	2	/	/	(2	W-	-/		
Wind Scale: 0	Drizzle / li = Smoke = Light air = Wind fel	ght rain rises vertica movement, t on face, lea	7 = Snow lly. smoke drifts. ives rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (be *8 = Showers (contraction of the branches moved trees in leaf be branches in meptable wind street	do not cond c, raises du egin to swa otion.	st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 mi
NSPE	3	3					· .				
PIFR	1	/								.41	
				-				741	*	-	_
	Calls can	be counted,	no overlappinį	2 = Cal	ls can be di	istinguished, son	ne overlapp	ing. 3 = Fu	ll chorus, cont	inuous & ov	erlapp
Call Index: 1 =								1		X 17	

Start Ti	me	Air Tei	np (°F)	Wind	Scale	Sky Co	ode	Noi: (✓ =	se? yes)	Timeout (√= y	
2150	Ī		3		1	0		N-	-/		
Wind Scale: 0 1 = 2 =	Drizzle / l = Smoke = Light air = Wind fel	ight rain rises vertica movement t on face, le	7 = Snow lly. smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in m eptable wind stre	do not cond c, raises dus egin to sway notion.	uct survey) t and loose v, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPE	3	3					1.				
AMTO	3	3									
		-		-						-	
Call Index: 1 =	Calls can	be counted,	no overlapping	g. 2 = Cal	ls can be di	stinguished, son	ne overlapp	ing. 3 = Fu	ill chorus, cont	tinuous & ov	crlap
	ia.				9.	*				E E	
									1		

umber: W					Point	Data					
Start Ti	me	Air Tei	mp (°F)	Wind	Scale	Sky Co	ode	Nois (✓=		Timeout (√=)	
2200	T	64	/		1	6	T				
Wind Scale: 0	Drizzle / li = Smoke r = Light air = Wind felt	ght rain rises vertica movement on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c branches move trees in leaf be branches in m eptable wind str.	do not cond c, raises dus egin to sway	t and loose , crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPC	3	3									
AMTO	2	2									
			*								
							1				
Comments:											
Call Index: 1	= Calls can	be counted,	no overlapping	g. 2 = Cal	ls can be di	stinguished, son	ne overlapp	ing. 3 = Fu	il chorus, con	tinuous & ov	erlap
	9			640		×	a.		-		
							AM	10			

EWS Ann

			T			Data		Noi	se?	Timeout	take
Start T	ime	Air Te	mp (°F)	Wind	Scale	Sky C	ode		yes)	(√ = y	
2218		6	9			C)	N	-/		
Wind Scale: (1	Drizzle / I = Smoke = Light air = Wind fel	ight rain rises vertica movement t on face, le	7 = Snov ally. , smoke drifts aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (branches move trees in leaf be e branches in m ptable wind str	do not cond e, raises du egin to swa notion.	tuct survey) st and loose y, crested w	paper.	Smoke	
Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	5 min.	Species Heard:	3 min.	m
NSPC	3	3					· .			-	
PIFR	1	1									
				1					4		
						-					
Comments:		be counted,	no overlappin	g. 2 = Cal	ls can be di	stinguished, sor	ne overlapp	ing. 3 = Fu	II chorus, cont	inuous & ov	erlap
					*			1		21.77	
	9							. \	\	8 9	

					Point	Dutta		N.:	2	т	
Start Ti	me	Air Te	mp (°F)	Wind	Scale	Sky Co	ode	Noi: (✓=	yes)	Timeout (√= y	
2230		6	2	/	,	- 0					
Wind Scale: 0 1 = 2 =	Drizzle / li = Smoke : Light air Wind fel	ight rain rises vertica movement t on face, le	7 = Snow ally. , smoke drifts. aves rustle.		*4 =Small *5 = Small *6 = Large	2 = Cloudy (b *8 = Showers (c) branches move trees in leaf be branches in m **ptable wind str.* Species	do not cond e, raises dus egin to sway	tuct survey) st and loose y, crested w	paper.	Smoke	
Heard:	3 min.	5 min.	Heard:	3 min.	5 min.	Heard:	3 min.	5 min.	Heard:	3 min.	n
NSPE	3	3								Xito	
AMTO	1	/		- 1						590.5	
									je:		100
									10,7105		
Comments:	Calls can	be counted,	no overlapping	g. 2 = Ca	ls can be di	stinguished, son	ne overlapp	ing. 3 = Fu	ill chorus, cont	inuous & ov	erlar
2.		/						1			
						R			\	7.	

Enteres

		Time		Temp (°F)		nd Scale	Sky C	Code		
Sta	art			68		,	1	, 1		
	nish	090	7	67			-			
	WIK	795	,	796 oint Da	ta 7	97	79	8	7	799
4	20		20		20	3	20	7	20	
Start Time	09		09			25		235		42
Air Temperature (°F)	68		72			72		22		0
Sky Code		/		/	1		/		-/	
Was noise a factor? (✓ = y	es)	/				N		V	1	/
Did you take a timeout? (✓= y	es)									
Species Heard:	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min
GRAT	2	2	3	3	3	3	3	3	3	3
GRFR			2	2	2	2	1	/	1	1
		-	7.5							
		-							-	
		-								
	4									
*										
					14					
Comments:										

Wind Scale: 0 = Smoke rises vertically.
1 = Light air movement, smoke drifts.

*4 =Small branches move, raises dust and loose paper.
*5 = Small trees in leaf begin to sway, crested wavelets.

2 = Wind felt on face, leaves rustle.

*6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion. * Unacceptable wind strengths for survey.

Anuran	Call Co	unt Surve	ey	Point	Data	Co	ontinuatio	on Sheet		. ,
Refuge Route: North	- 0	000	*	801	80	2	80	3	Survey Dat	e: 7/9/
	_	6	21	4	2/19		21	7	21	3
Start Time	09	58		1013		1027		1042		-1
Air Temperature (°F)	7	/	-	7/	1	20	70-	9	10-	57
Sky Code				1		/		n		2
Was noise a factor? (✓ = yes)	^	/	/	$\sqrt{}$		V		2/		V
Did you take a timeout? (✓= yes)								/		<u> </u>
Species Heard:	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
GRAT	3	3	2	2			0	0	2	2
FRFR	2	2	19	1	1	1	0	0	1	1
BUFR	2	2	2	2						/
5017		1	1	- ~						
									.	-
HONGE TO THE THE PARTY OF THE P		 		7						Carrente de la Carren
(440)00 3450 A		-	-							
	ļ				-	+				
	<u> </u>		<u></u>		I	<u> </u>				
Comments:	(H									
	80	5	8	06						
H F	229		216	_	1	3	1	4	1	15
Start Time		V	1/1/	_						
Air Temperature (°F)	6	7	7							
Sky Code))	-					200
Was noise a factor? (✓ = yes)		1	1) -				- Newson		
Did you take a timeout? (✓= yes)	^		/						1	
Species Heard:	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
GRAT	3	3	2	2						
GRFR	2	2	1	1						
BUFR	0	1	2	2				WA STATE		
DUIN										
\										
		E. S	11							
64								-		
61										
Comments:							,		,	

				S	urvey D	ata					
			Time		Temp (°F)	Wi	nd Scale	Sky (Code		
	Start		091	5	74		1	(2		
	Finish							-			
		# 00	07	808	Point Da	ta 8	09	81	16	8	4
4		2391		240	g	241 1	ŧ	243	8	244 2	7
tart Time		0	915	0	125	094	10	90	50	95	2
ir Temperature (°F)			14	7	71	7	1	72		21	
ky Code			2	0		0		0		0	
/as noise a factor?	(✓ = yes)	N		\sim		\sim		N		N	
id you take a timeou	t? (✓= yes)				_						
pecies Heard:		3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min
GRFR					1	2	2	3	3	2	2
GRAT				-				3	3		
										ļ	
					-						
				-	-	ļ		-			
					-			ļ		-	
					-			ļ			
					 						
		+									
				L		<u> </u>					
omments:							345				
Index Value: 1 = 6	Calls can be co	unted, no ov	erlapping.	2 = Calls ca	an be distingu	ished, some o	verlapping.	3 = Full	chorus, calls o	continuous an	d overlap
Code: 0 = Clear / fe	w clouds.	1 = Partly 7 = Snow	cloudy / var			(broken) or ov		4 = Fog /	Smoke		

	an Call Co		еу	Point	Data	Co	ntinuatio	n Sheet		
Refuge Route: Certa	South	-012	6	313	Q	14	0	_	Survey Date	e: #10/0
	247	817	7		252			15	8	167
Start Time			250	7		38	233		234	
Air Temperature (°F)	100		700	,		59		5	111	
Sky Code	7	<u> </u>	-					70	7	
Was noise a factor? (✓ = yes				/	-)				
Did you take a timeout? (✓= yes	70	_	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		/)	^		1	/
	_	T	2		-	Γ			-	Г
Species Heard:	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
GRFR	10	0	2	2	3		1		2	2
GRAT	-		/	/	2	2	-			
BUIL						/				
	-					-				
	-		ļ		-					
						<u> </u>				
Comments:										90
			0.6				-			-
		17	818						1	
4	2351		232			3	1	4	-	15
Start Time	1/3		113	8	ļ				ļ	
Air Temperature (°F)	6		H	0					-	
Sky Code	0)	. 0	<u> </u>						
Was noise a factor? (✓ = yes)			N							1000
Did you take a timeout? (✓= yes)										
Species Heard:	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.	3 min.	5 min.
GRFR	12	2	_	-						
	+					*				
×										
00.7										
Comments:		L							л	

Observer: Kerin Holcomb Refuge Route: Certal

Survey Data

	Time	Temp (°F)	Wind Scale	Sky Code
Start	0902	66	. 1	0
Finish				

820 Point Data 821 # 819 822 873 0902 Start Time 0930 Air Temperature (°F) Sky Code Was noise a factor? (= yes) Did you take a timeout? (/= yes) 3 min. Species Heard: 5 min. 3 min. 5 min. 3 min. 5 min. 3 min. 5 min. 3 min. 5 min. 2 Comments:

Call Index Value:

7 = Snow

1 = Calls can be counted, no overlapping. 2 = Calls can be distinguished, some overlapping.

3 = Full chorus, calls continuous and overlapping.

Sky Code: 0 = Clear / few clouds. 5 = Drizzle / light rain

1 = Partly cloudy / variable.

2 = Cloudy (broken) or overcast.

*8 = Showers (do not conduct survey)

4 = Fog / Smoke

Wind Scale: 0 = Smoke rises vertically.

1 = Light air movement, smoke drifts.

*4 =Small branches move, raises dust and loose paper.

2 = Wind felt on face, leaves rustle.

*5 = Small trees in leaf begin to sway, crested wavelets. *6 = Large branches in motion.

3 = Gentle breeze, leaves and small twigs in motion. * Unacceptable wind strengths for survey.

Anuran Call Count Survey Point Data Continuation Sheet Survey Date: 2/2/01 Refuge Route: 2544 8 10 1030 Start Time Air Temperature (°F) Sky Code Was noise a factor? $(\checkmark = yes)$ Did you take a timeout? (✓= yes) Species Heard: 3 min. 5 mint. 5 min. 3 min. -3 min. 3 min. 5 min. 3 min. 5 min. 5 min. i* Comments: 11 12 13 14 15 Start Time Air Temperature (°F) Sky Code Was noise a factor? (✓ = yes) Did you take a timeout? (✓= yes) 3 min. 5 min. 3 min. 5 min. 3 min. 5 min. 3 min. 5 min. Species Heard: 3 min. 5 min.

13

Comments: