

Amphibian Surveys

DRAFT

Amphibian Data Form

Return by 31 July to Aquatic Surveys Officer, Bird Studies Canada, P.O. Box 160, Port Rowan, Ontario, Canada, N0E 1M0
Please write legibly (in pen).

Observer: <i>Chris Pfohl</i>
Route name: <i>ABH - Frog Calls - Northland</i>

Date (dd-mm-yr): <i>20-04-12</i>	Visit No.: <i>#1 for 2012</i>	
Start time (24 hr clock): <i>2000</i>	Finish time (24 hr clock): <i>2230</i>	
Beaufort Wind Scale No.: <i>6</i>	Cloud Cover (10ths): <i>10/10^{ths}</i>	Air Temp (°C or °F): <i>6°C</i>
Precipitation (check one): None/dry: <input type="checkbox"/> Damp/Haze/Fog: <input type="checkbox"/> Drizzle: <input type="checkbox"/> Rain: <input checked="" type="checkbox"/>		
Has the habitat on your route changed from previous years: Yes: <input type="checkbox"/> No: <input type="checkbox"/> Not applicable: <input checked="" type="checkbox"/>		
Remarks: <i>Previous Rain, warm day, cool front approaching.</i>		

CALL LEVEL CODES
Code 1: Calls not simultaneous, number of individuals can be accurately counted
Code 2: Some calls simultaneous, number of individuals can be reliably estimated
Code 3: Full chorus, calls continuous and overlapping, number of individuals cannot be reliably estimated

DRAFT

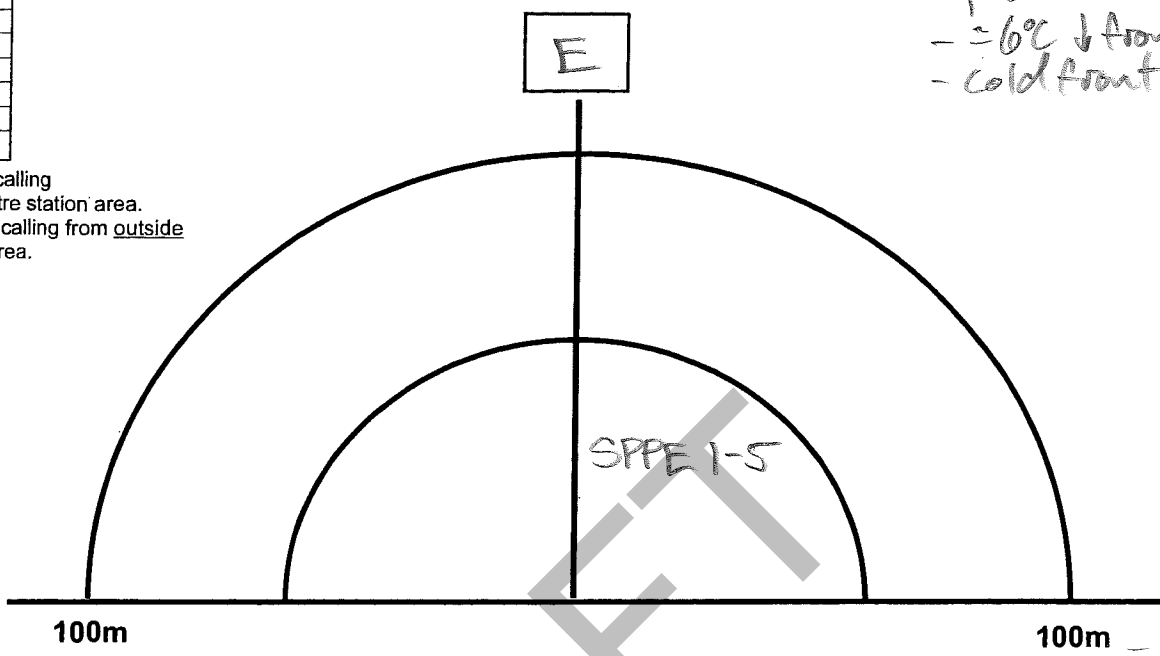
Northland
Wind
April 20, 2012.

- moderate wind NW
- previous rain/raining
- = 6°C ↓ from 20°C
- cold front

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE	✓	
WOFR		

- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Station A
ABH-009

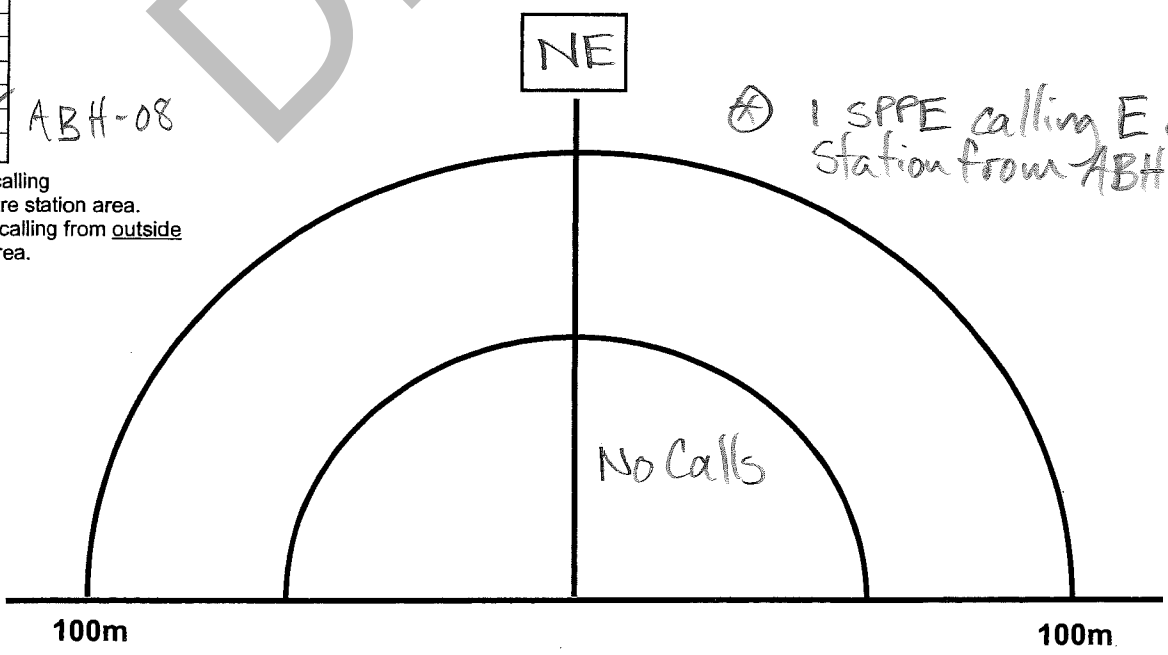


DRAFT

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE	✓	
WOFR		

- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Station B
ABH-002



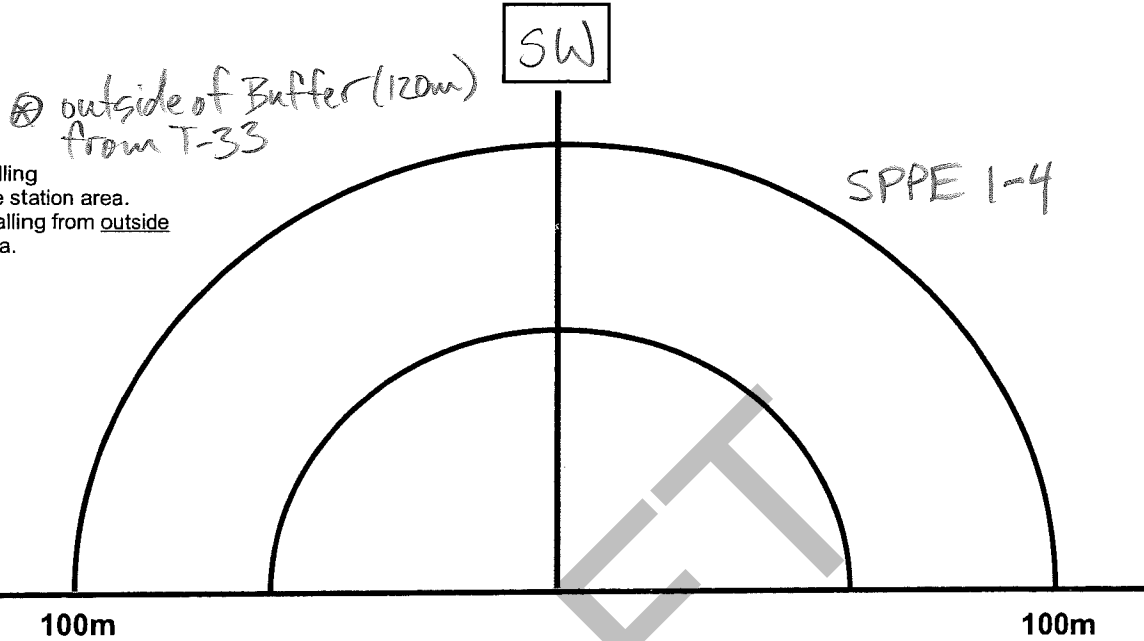
⊕ 1 SPPE calling E of Station from ABH-008

ABH-08

Northland Wind
April 29, 12

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		<input checked="" type="checkbox"/>
WOFR		

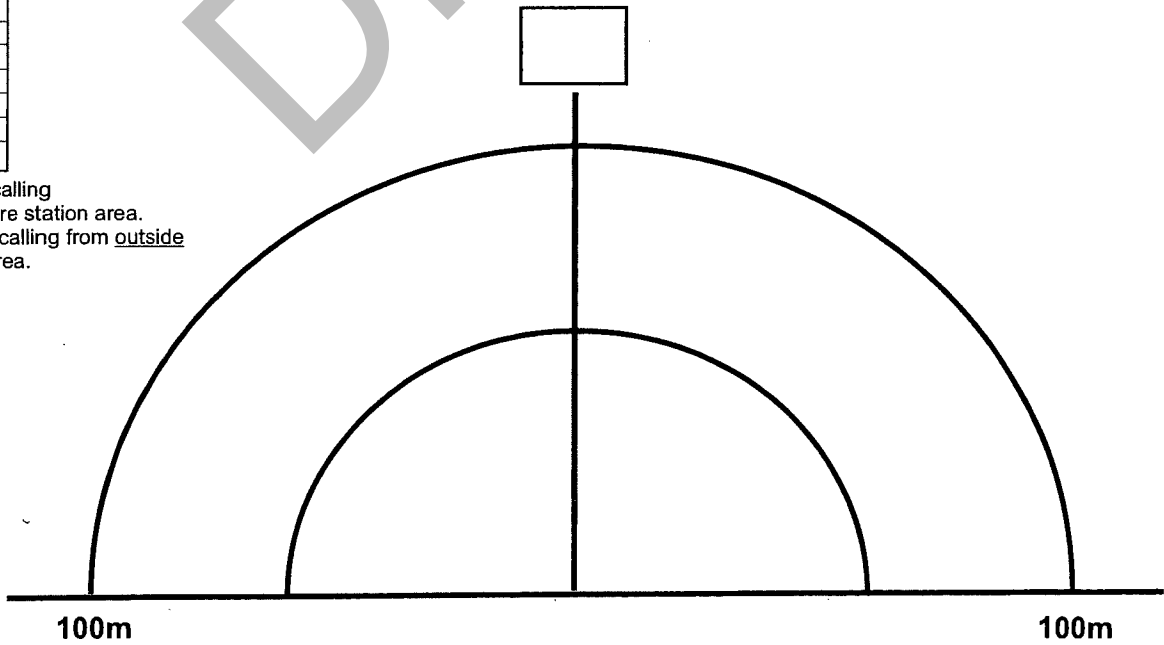
Station C
ABH-003



* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station D



* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

DRAFT

Amphibian Data Form

Return by 31 July to Aquatic Surveys Officer, Bird Studies Canada, P.O. Box 160, Port Rowan, Ontario, Canada, N0E 1M0
Please write legibly (in pen).

Observer: <i>Chris P. G. W.</i>
Route name: <i>ABH - Frog Calls</i>

Date (dd-mm-yr): <i>25-04-12</i>	Visit No.: <i>#2 for 2012 (First Round)</i>	
Start time (24 hr clock): <i>1945</i>	Finish time (24 hr clock): <i>2230</i>	
Beaufort Wind Scale No.: <i>2</i>	Cloud Cover (10ths): <i>3</i>	Air Temp (°C or °F): <i>10°C</i>
Precipitation (check one): None/dry: <input type="checkbox"/> Damp/Haze/Fog: <input type="checkbox"/> Drizzle: <input type="checkbox"/> Rain: <input checked="" type="checkbox"/> <i>PREVIOUS</i>		
Has the habitat on your route changed from previous years: Yes: <input type="checkbox"/> No: <input type="checkbox"/> Not applicable: <input checked="" type="checkbox"/>		
Remarks: <i>Previous rain events in warm day</i>		

CALL LEVEL CODES
Code 1: Calls not simultaneous, number of individuals can be accurately counted
Code 2: Some calls simultaneous, number of individuals can be reliably estimated
Code 3: Full chorus, calls continuous and overlapping, number of individuals cannot be reliably estimated

DRAFT

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

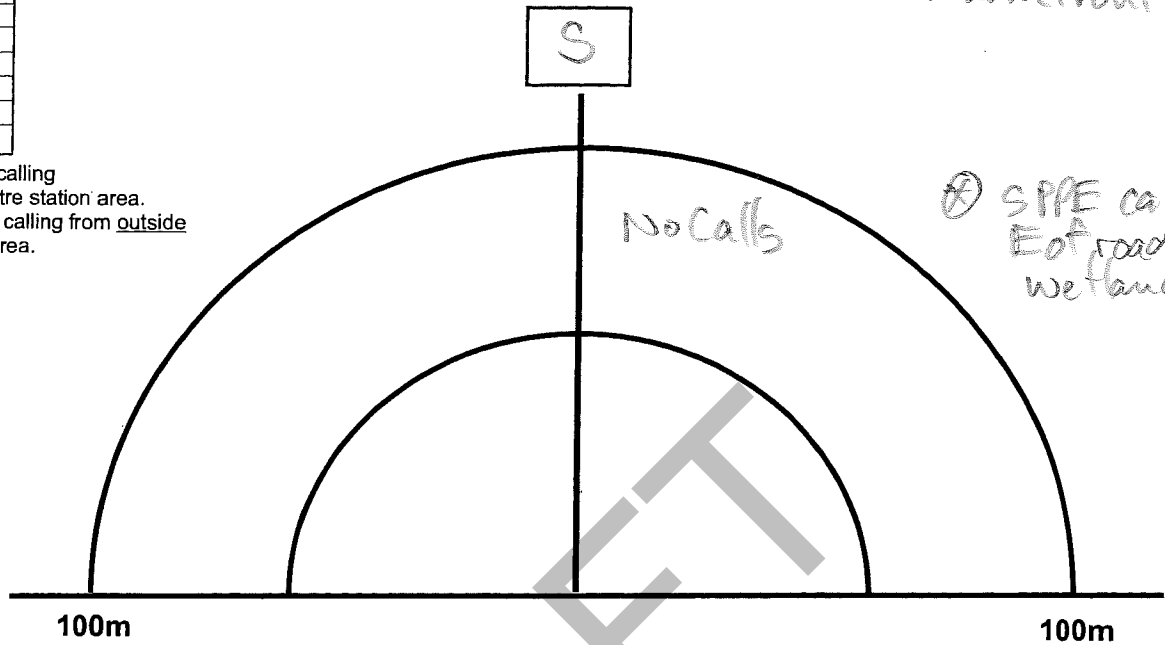
* Check if species is calling from inside 100-metre station area.

** Check if species is calling from outside 100-metre station area.

Station A

ABH-005

Northland Wind
 April 25, 2012
 - low wind
 - previous rain 10°C
 - warm front



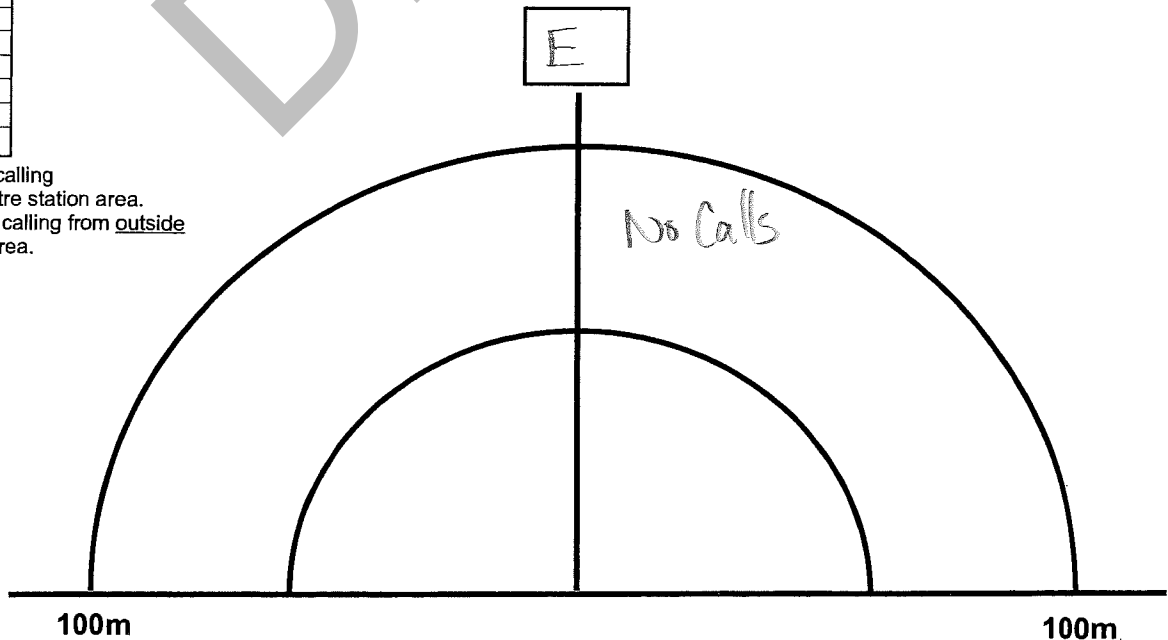
Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

* Check if species is calling from inside 100-metre station area.

** Check if species is calling from outside 100-metre station area.

Station B

ABH-006 (south end of woodlot)



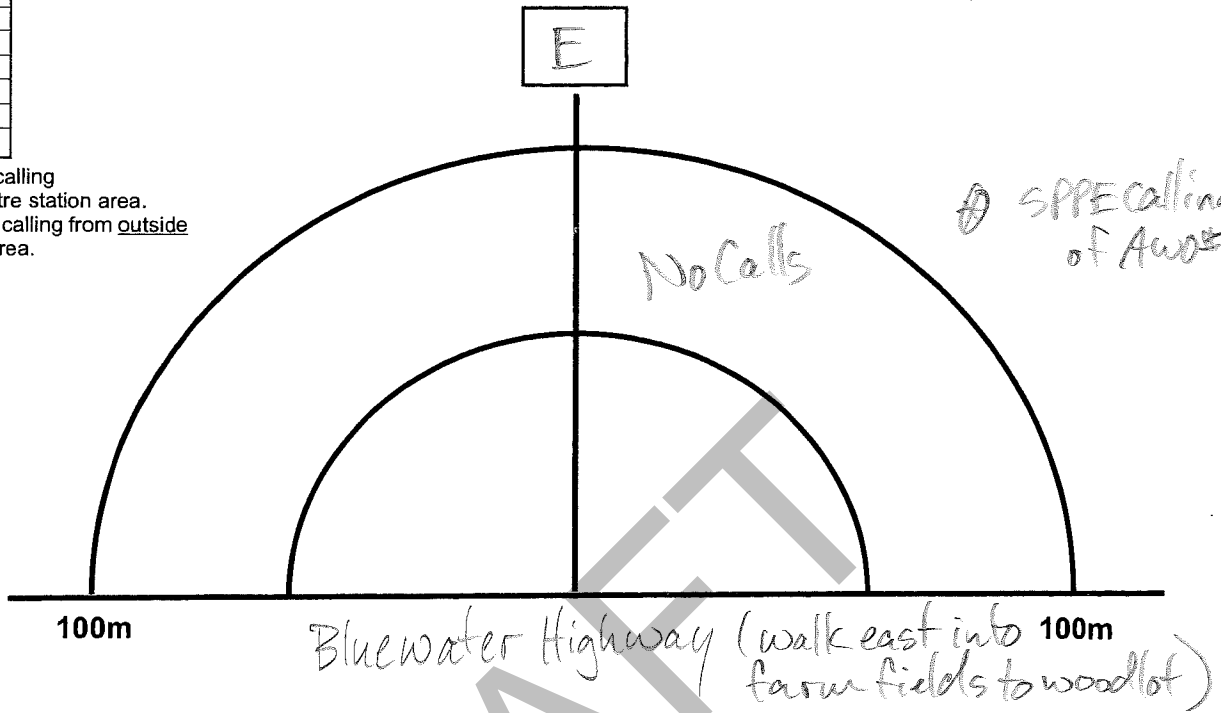
April 25, 2012

Station C

ABH-006 (north end of woodlot)

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- * Check if species is calling from inside 100-metre station area.
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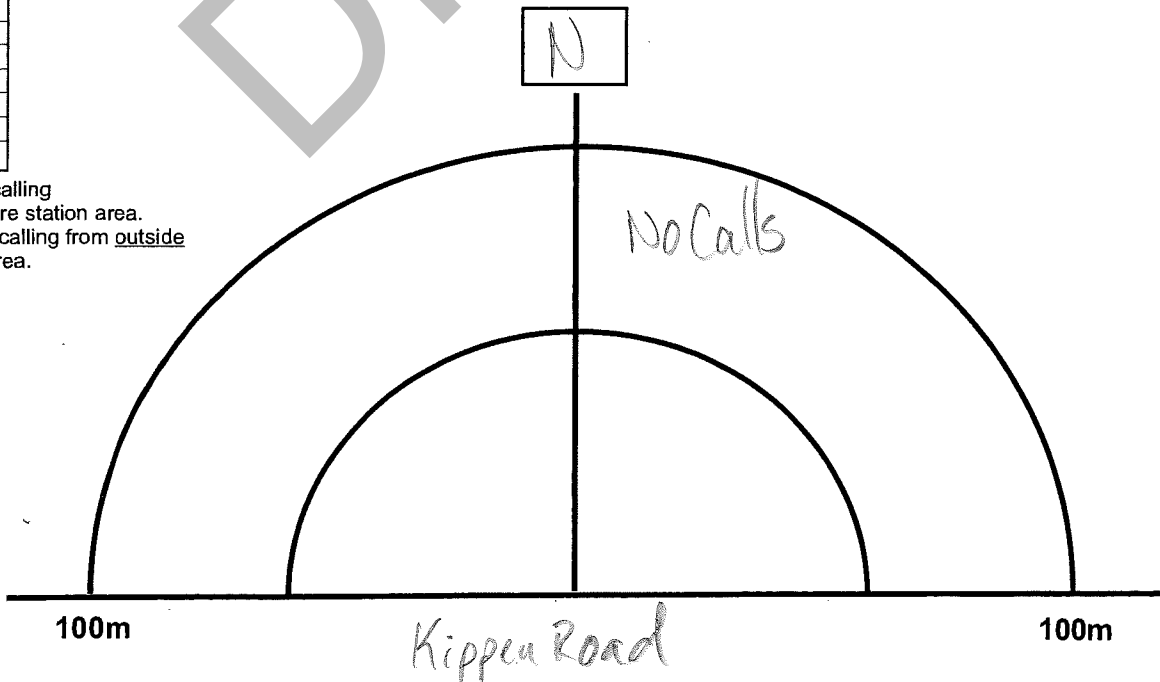
⊕ SPPE calling SE of Awd 5+6

Station D

ABH-010

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.



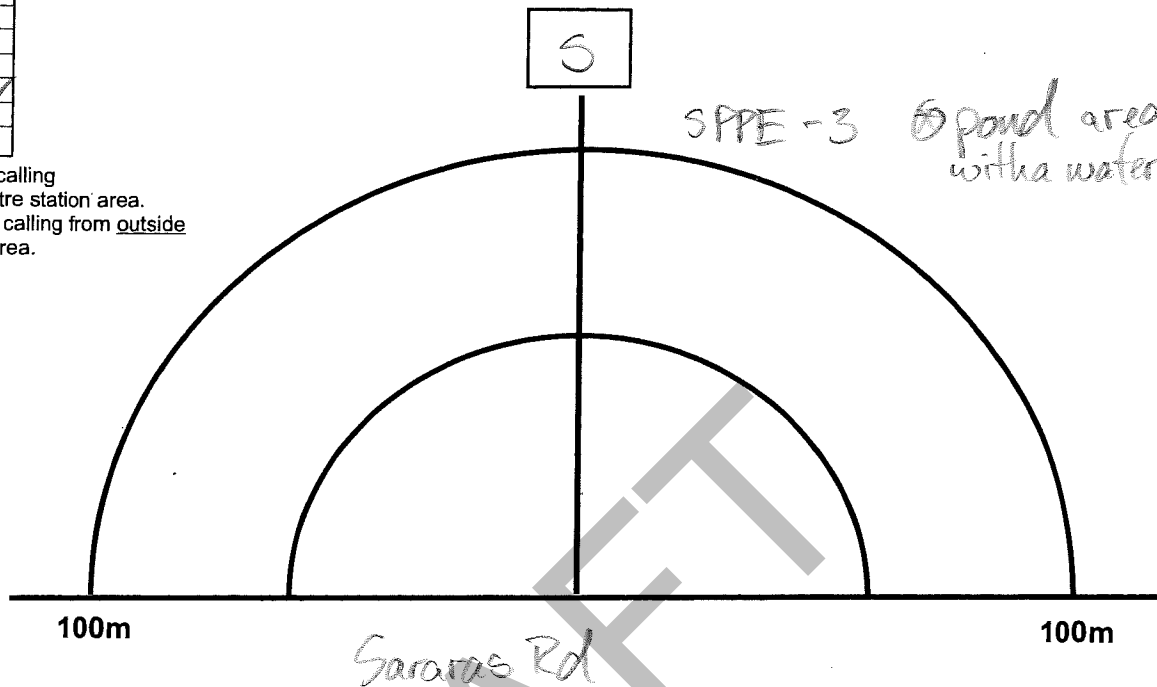
April 25, 12

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		<input checked="" type="checkbox"/>
WOFR		

- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Station A

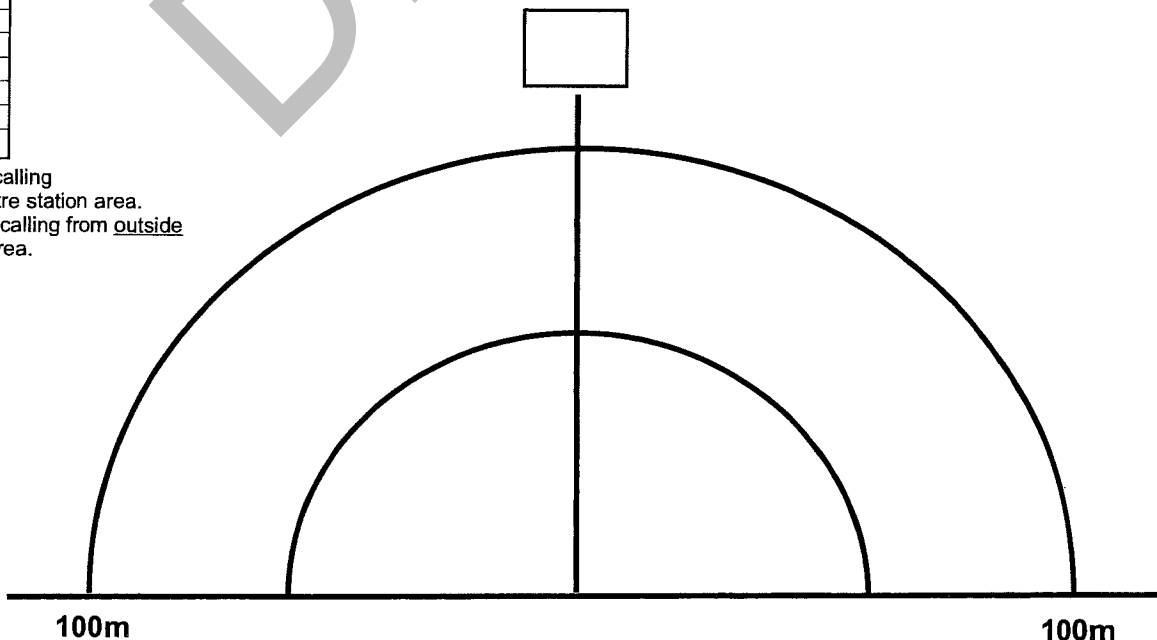
ABH-007



Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Station B



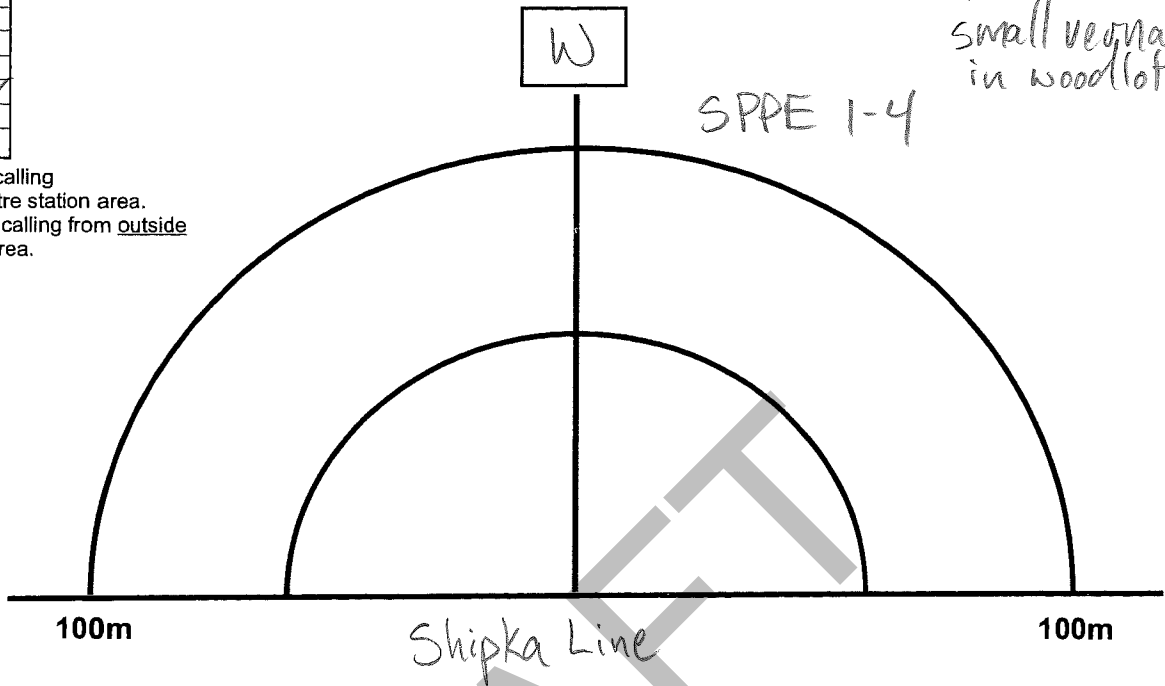
April 25, 12

Station C

ABH-004

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		<input checked="" type="checkbox"/>
WOFR		

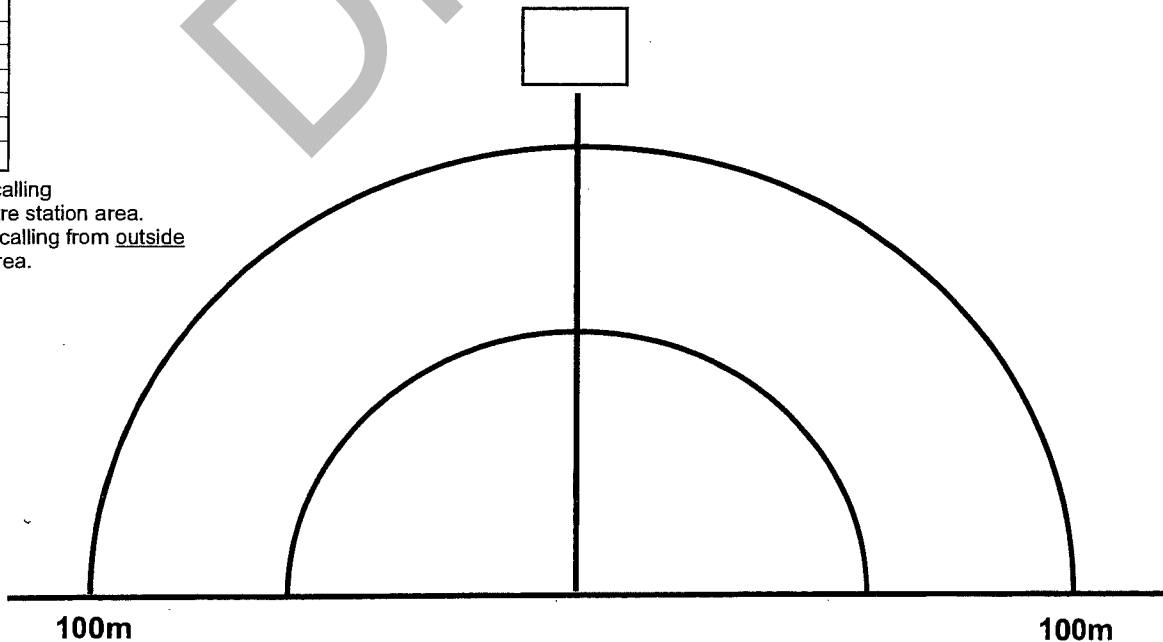
- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.



Station D

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.



Amphibian Data Form

Return by 31 July to Aquatic Surveys Officer, Bird Studies Canada, P.O. Box 160, Port Rowan, Ontario, Canada, N0E 1M0
Please write legibly (in pen).

Observer: <u>Chris Pfohl</u>
Route name: <u>AWO</u>

Date (dd-mm-yr): <u>29/05/12</u>	Visit No.: <u>3</u>	
Start time (24 hr clock): <u>2130</u>	Finish time (24 hr clock): <u>2300</u>	
Beaufort Wind Scale No.: <u>3</u>	Cloud Cover (10ths): <u>1/10th</u>	Air Temp (°C or °F): <u>21°C</u>
Precipitation (check one): None/dry: <input checked="" type="checkbox"/> Damp/Haze/Fog: <input type="checkbox"/> Drizzle: <input type="checkbox"/> Rain: <input type="checkbox"/>		
Has the habitat on your route changed from previous years: Yes: <input type="checkbox"/> No: <input type="checkbox"/> Not applicable: <input checked="" type="checkbox"/>		
Remarks: <u>Previous rain events + T-storms today + rain on 27/05/12</u>		

CALL LEVEL CODES
Code 1: Calls not simultaneous, number of individuals can be accurately counted
Code 2: Some calls simultaneous, number of individuals can be reliably estimated
Code 3: Full chorus, calls continuous and overlapping, number of individuals cannot be reliably estimated

DRAFT

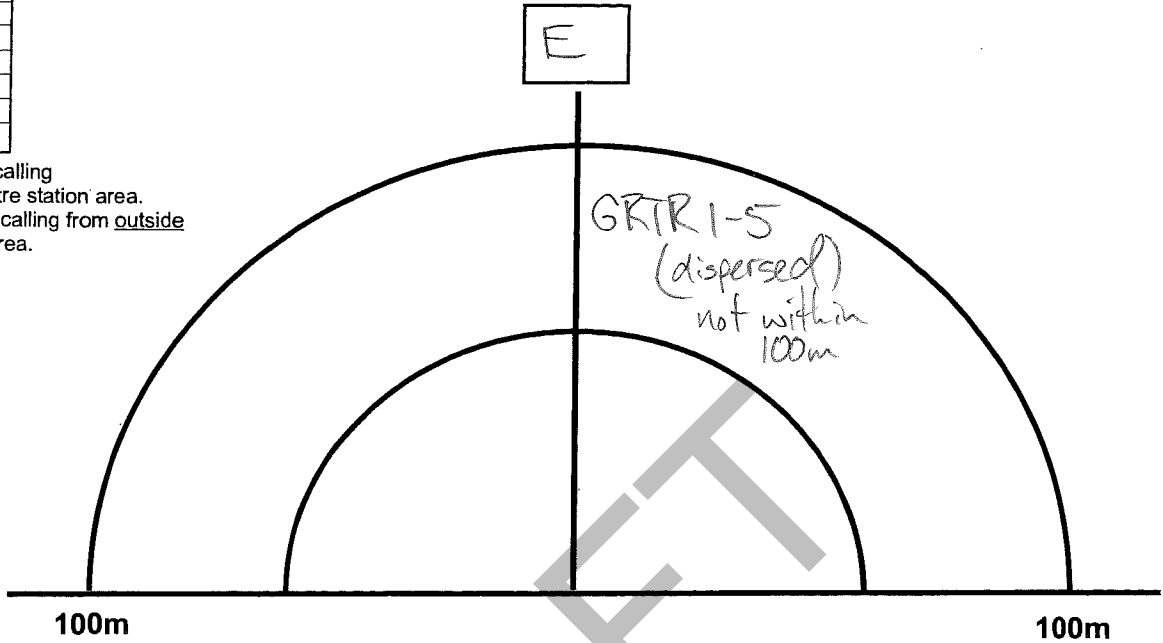
#2

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		<input checked="" type="checkbox"/>
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station A

ABH-009

E



* Check if species is calling from inside 100-metre station area.

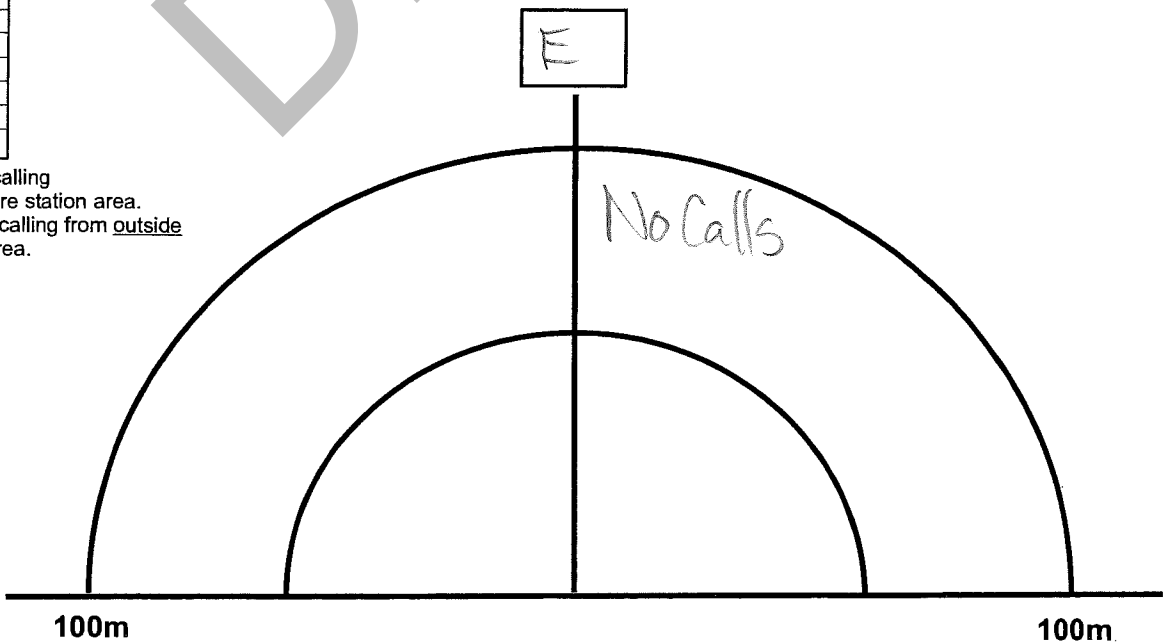
** Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station B

ABH-002

E



* Check if species is calling from inside 100-metre station area.

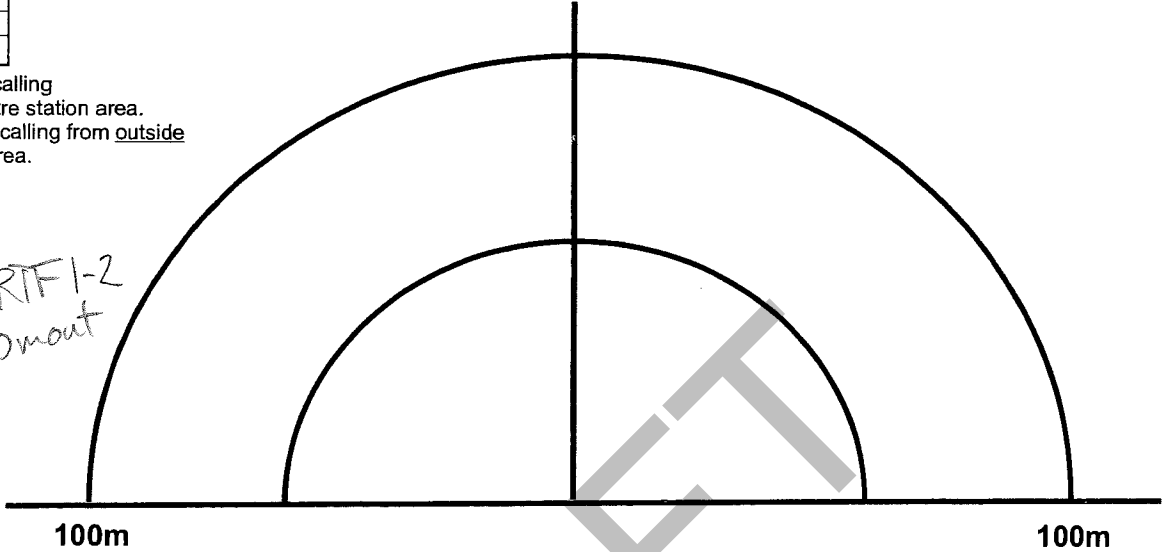
** Check if species is calling from outside 100-metre station area.

#2

Station C

ABH-003

S



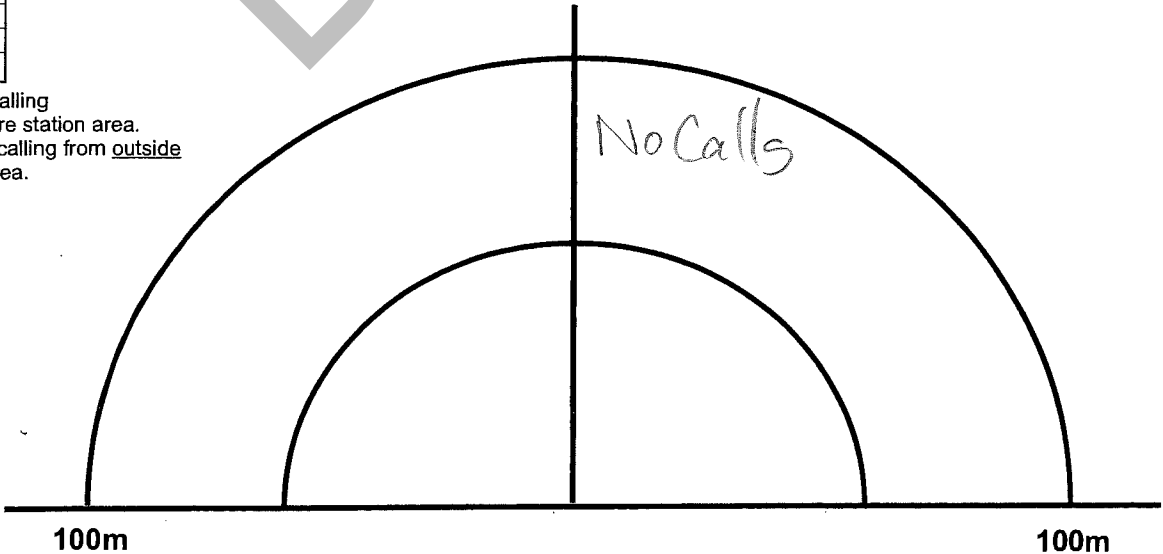
Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		<input checked="" type="checkbox"/>
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

* Check if species is calling from inside 100-metre station area.
 ** Check if species is calling from outside 100-metre station area.

Station D

ABH-005

W



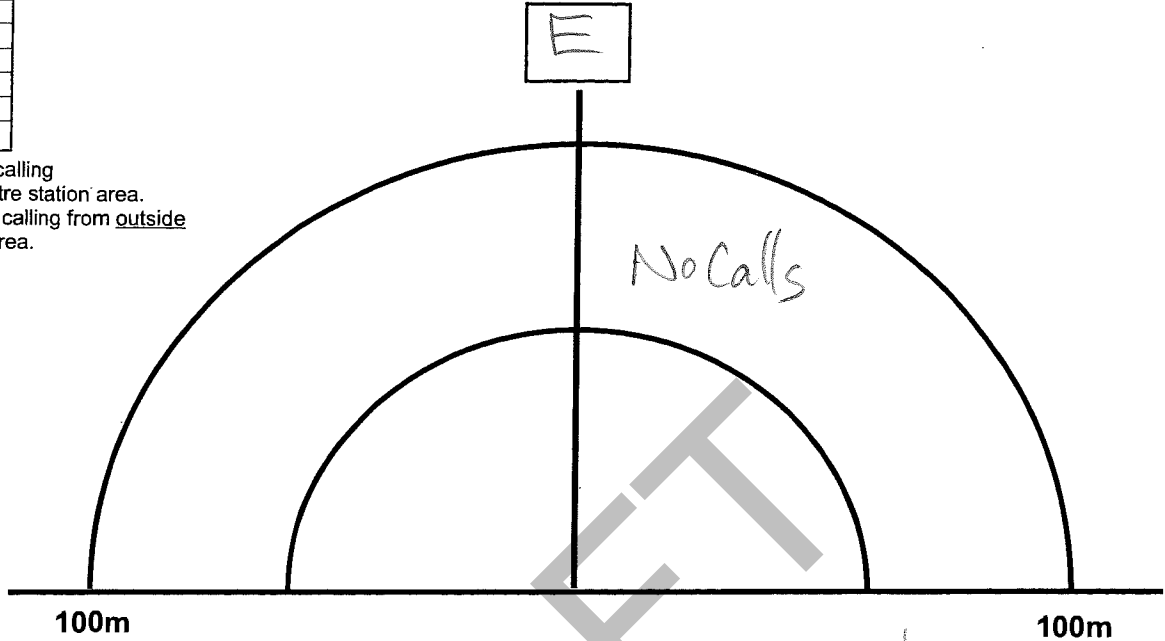
Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

* Check if species is calling from inside 100-metre station area.
 ** Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station A

ABH-006 (south end of woodlot)



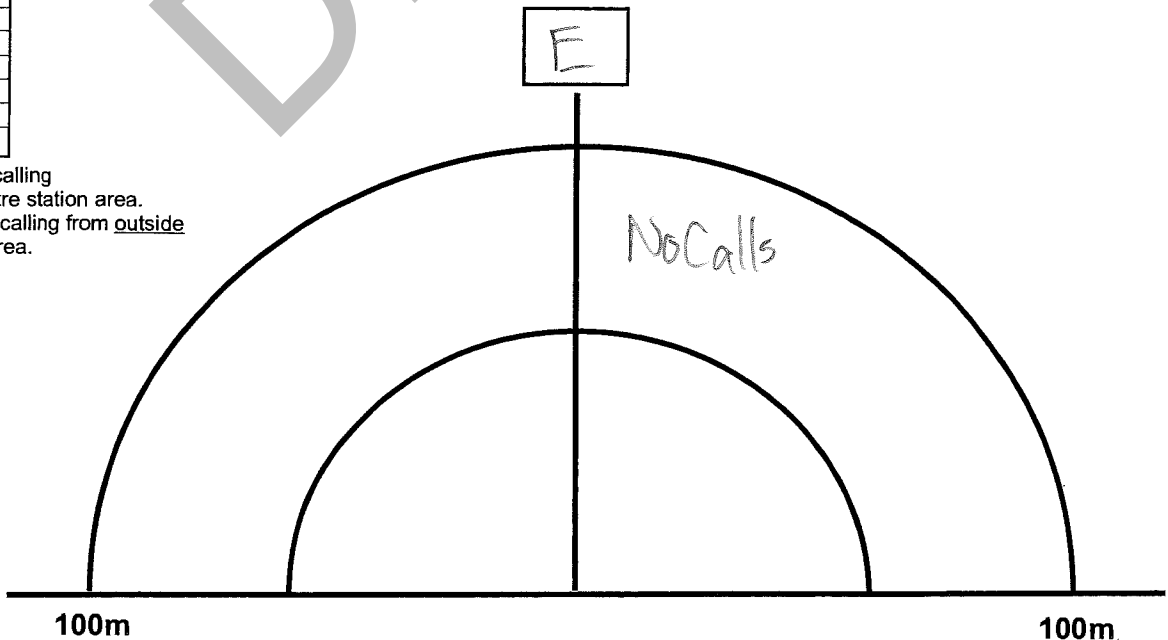
- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

⊗ Amphibian breeding
SE of Project location
identified in 2011

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station B

ABH-006 (north end of woodlot)

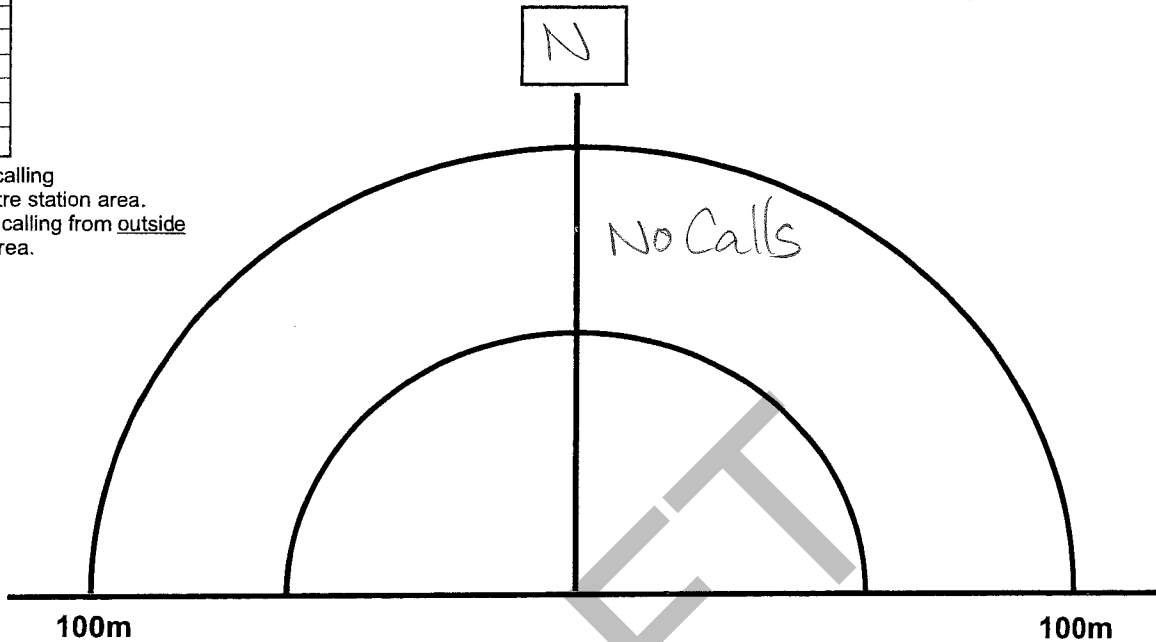


- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station C

ABH-010



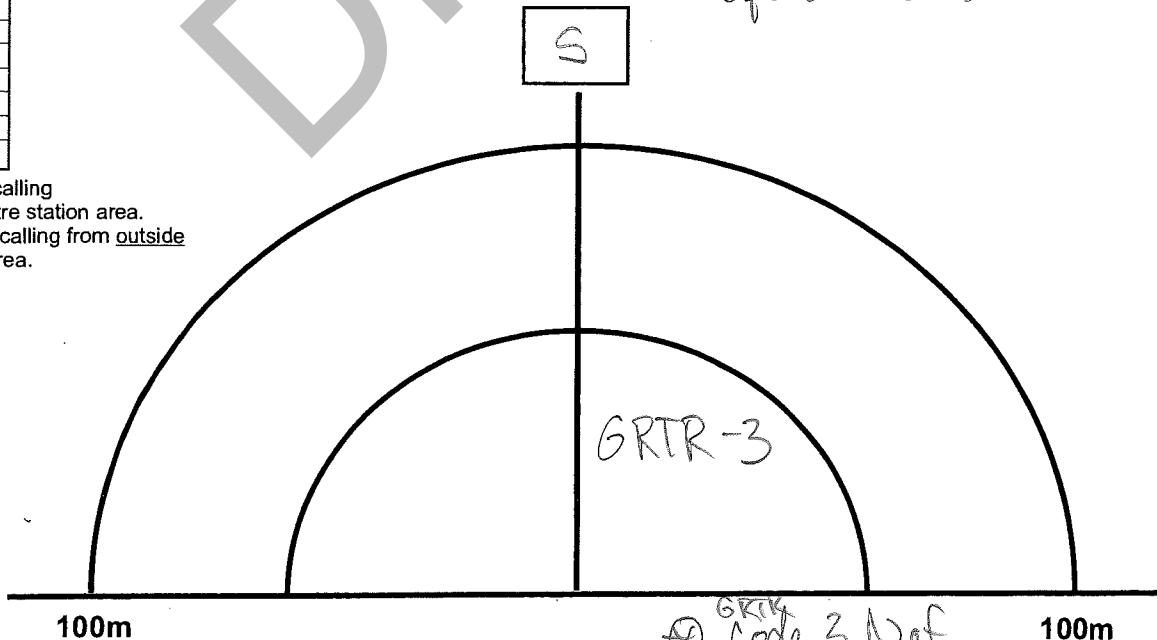
* Check if species is calling from inside 100-metre station area.
 ** Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR	✓	
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station D

⊗ ABH-007

(pond area south of road)



* Check if species is calling from inside 100-metre station area.
 ** Check if species is calling from outside 100-metre station area.

⊗ GRTR Code 3 N of Road in habitat identified in 2011

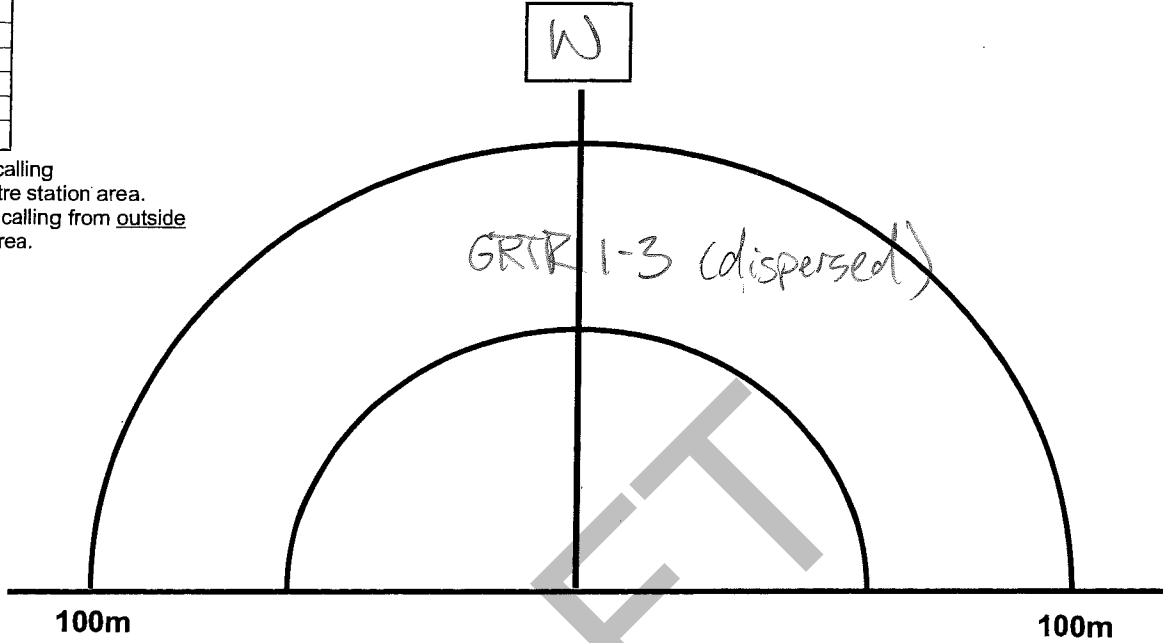
Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR	✓	
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Station A

ABH-004

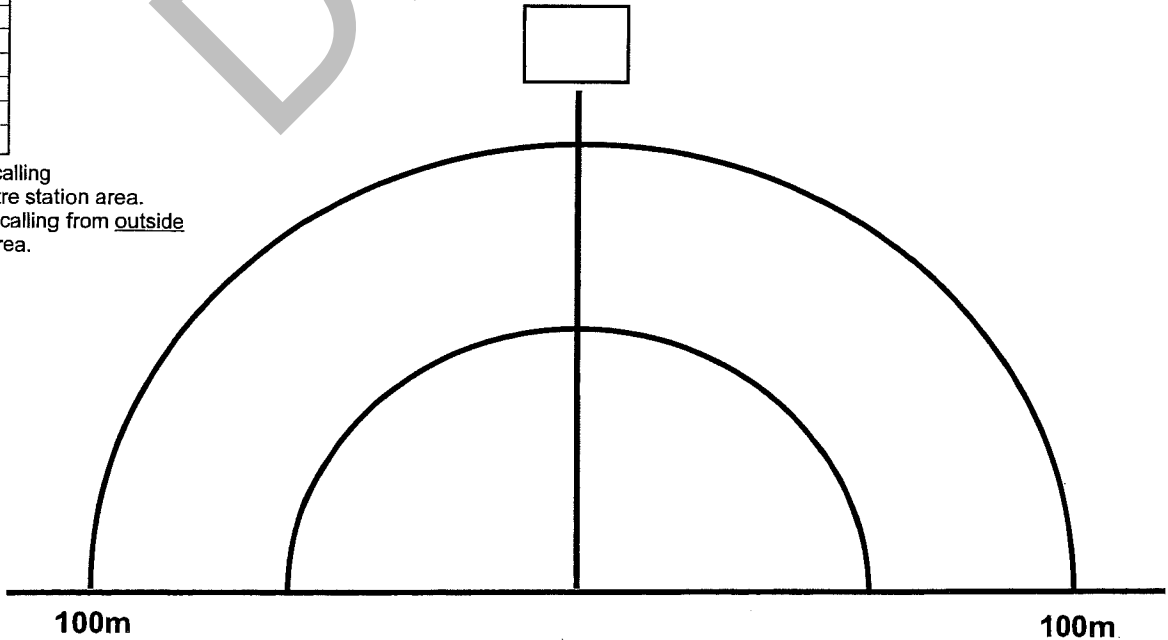
W



Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Station B



Amphibian Data Form

Return by 31 July to Aquatic Surveys Officer, Bird Studies Canada, P.O. Box 160, Port Rowan, Ontario, Canada, N0E 1M0
Please write legibly (in pen).

Observer: <i>Chris Föhl</i>
Route name: <i>ABH - Frog Calls</i>

Date (dd-mm-yr): <i>21-06-12</i>	Visit No.: <i>#4 (3rd round 1st visit)</i>	
Start time (24 hr clock): <i>2115</i>	Finish time (24 hr clock): <i>2300</i>	
Beaufort Wind Scale No.: <i>0</i>	Cloud Cover (10ths): <i>2/10th</i>	Air Temp (°C or °F): <i>26°C</i>
Precipitation (check one): None/dry: <input checked="" type="checkbox"/> Damp/Haze/Fog: <input type="checkbox"/> Drizzle: <input type="checkbox"/> Rain: <input type="checkbox"/>		
Has the habitat on your route changed from previous years: Yes: <input type="checkbox"/> No: <input type="checkbox"/> Not applicable: <input checked="" type="checkbox"/>		
Remarks: <i>Previous rain events on 24th + 25th</i>		

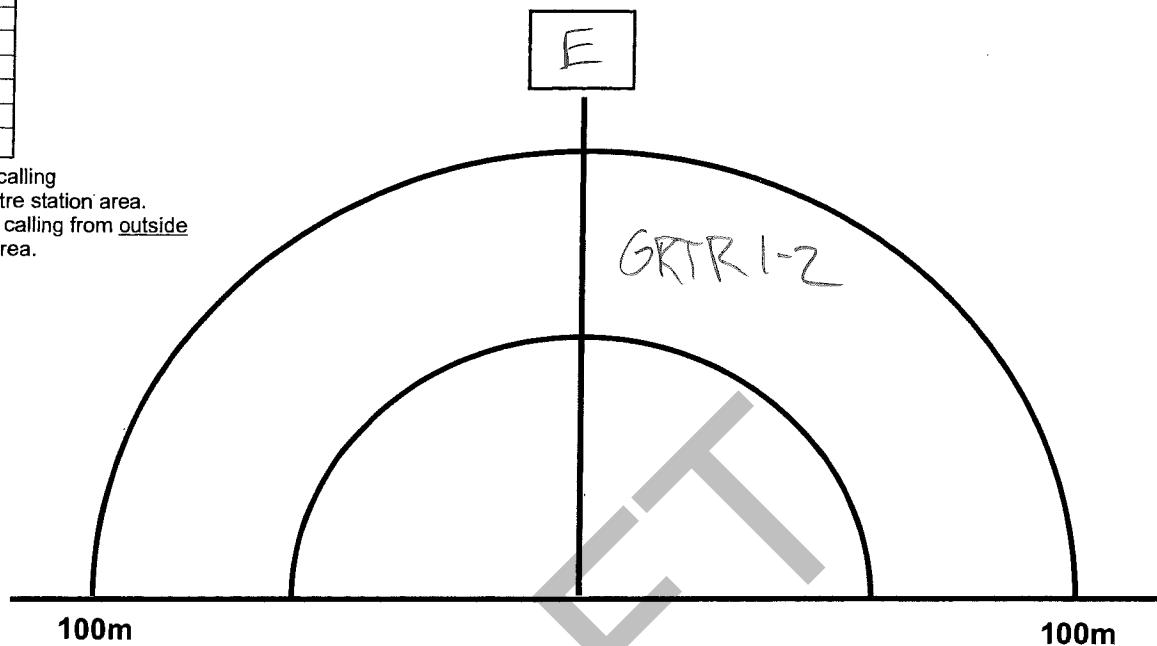
CALL LEVEL CODES
Code 1: Calls not simultaneous, number of individuals can be accurately counted
Code 2: Some calls simultaneous, number of individuals can be reliably estimated
Code 3: Full chorus, calls continuous and overlapping, number of individuals cannot be reliably estimated

DRAFT

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station A

ABH-009 (south of golf course)



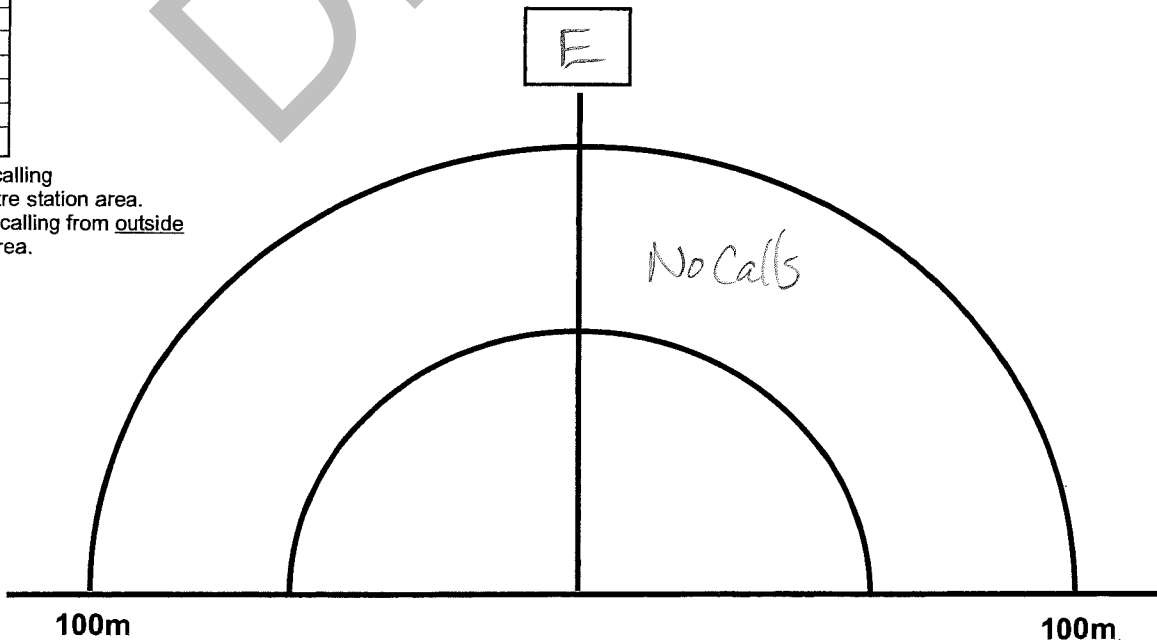
- * Check if species is calling from inside 100-metre station area.
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DRAFT

Station B

ABH-002

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

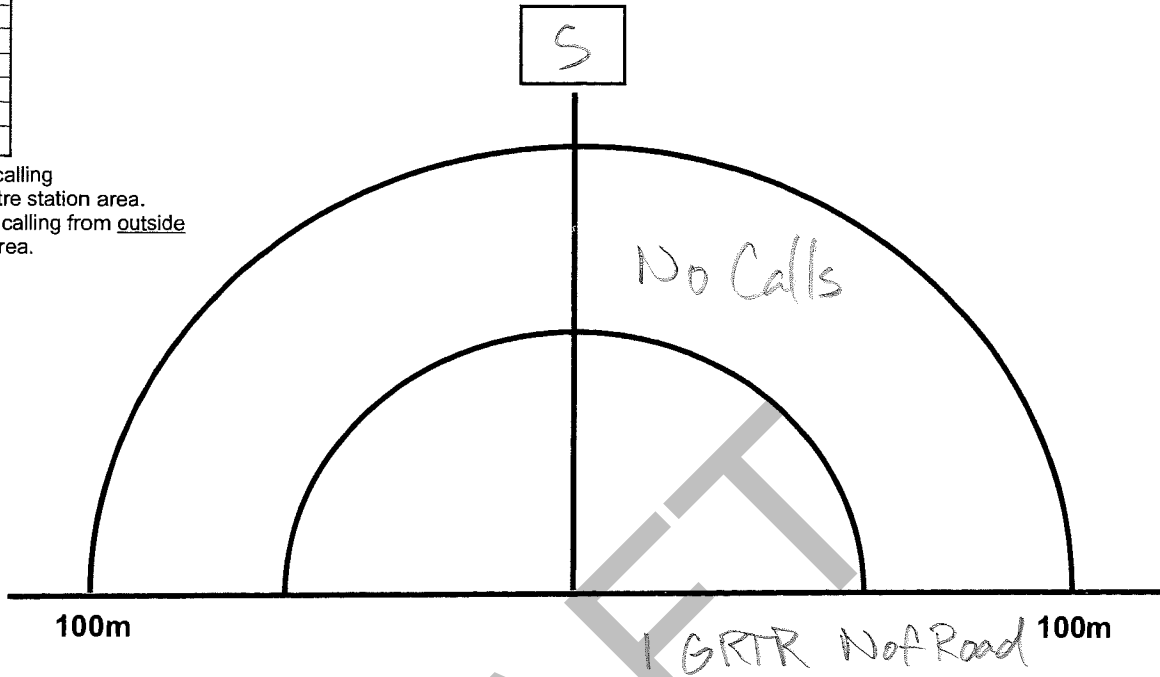


- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station C

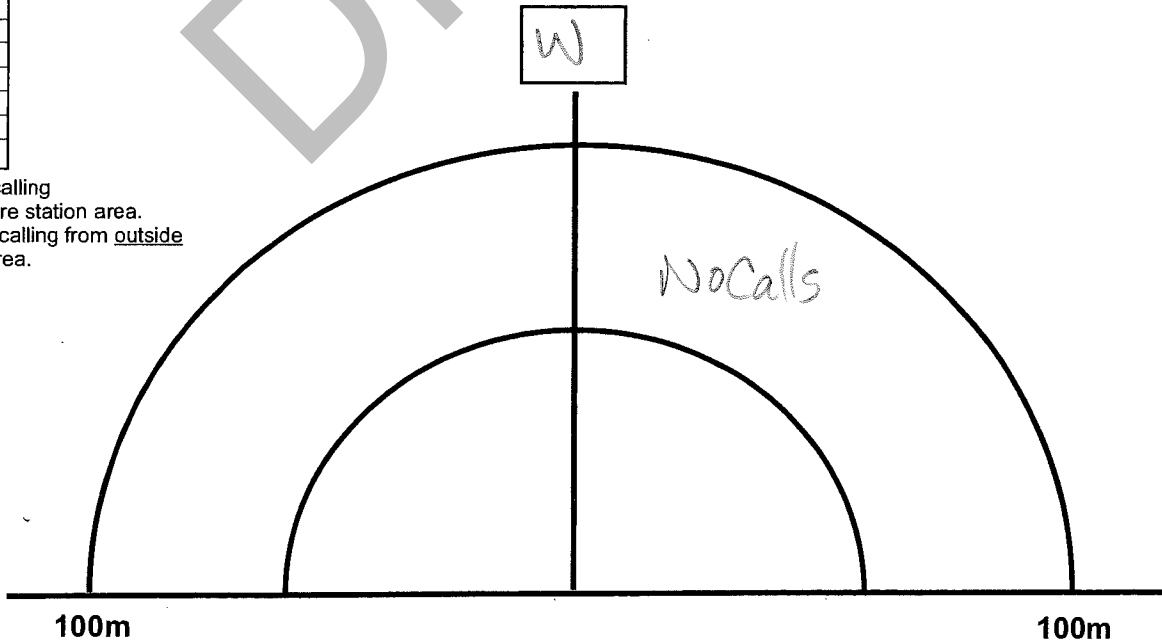
ABH-003



Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station D

ABH-005



- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

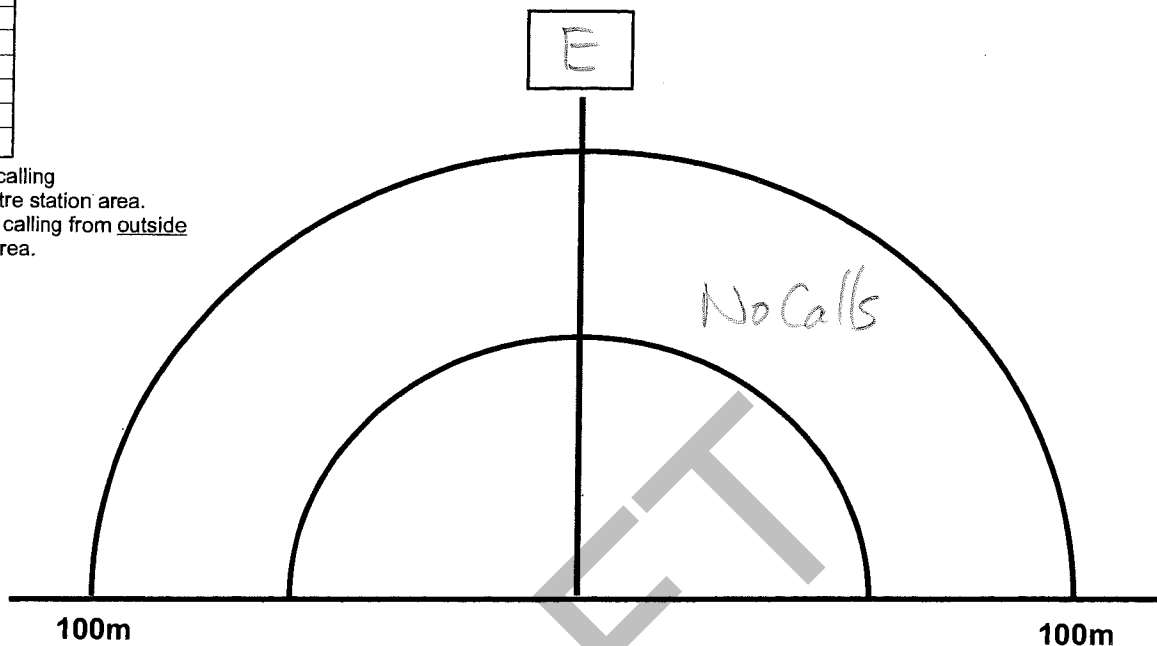
#3

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station A

ABH-006 (south end of wood lot)

- * Check if species is calling from inside 100-metre station area.
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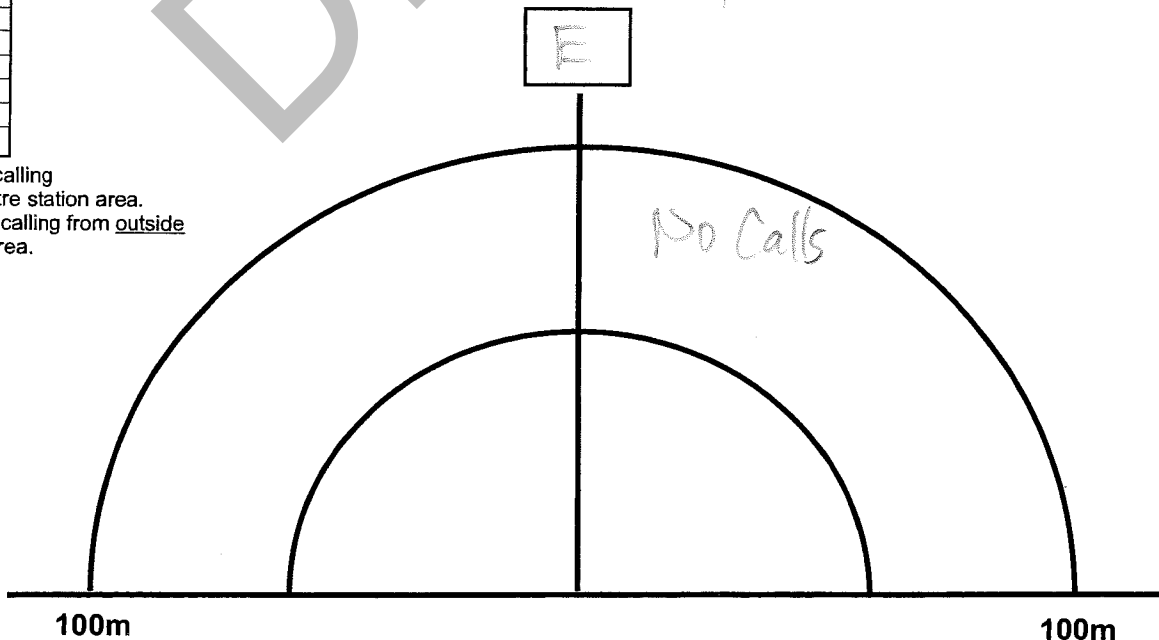


Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station B

ABH-006 (north end of wood lot)

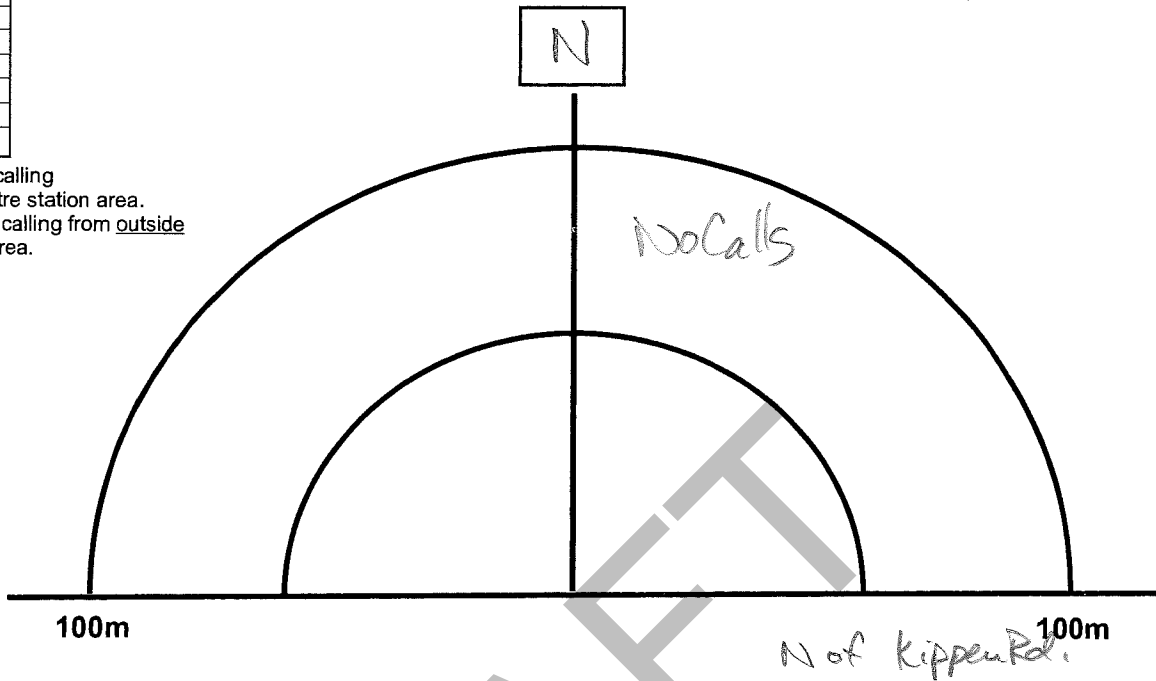
- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.



Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station C

ABH-010

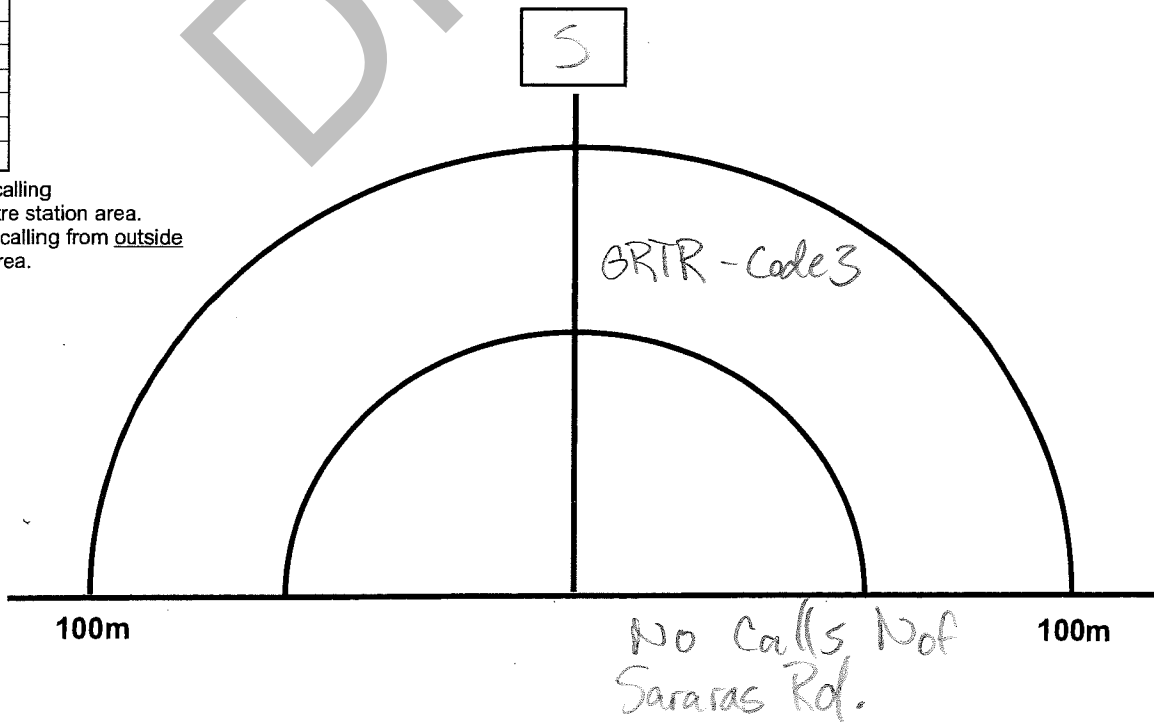


- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

Station D

ABH-007



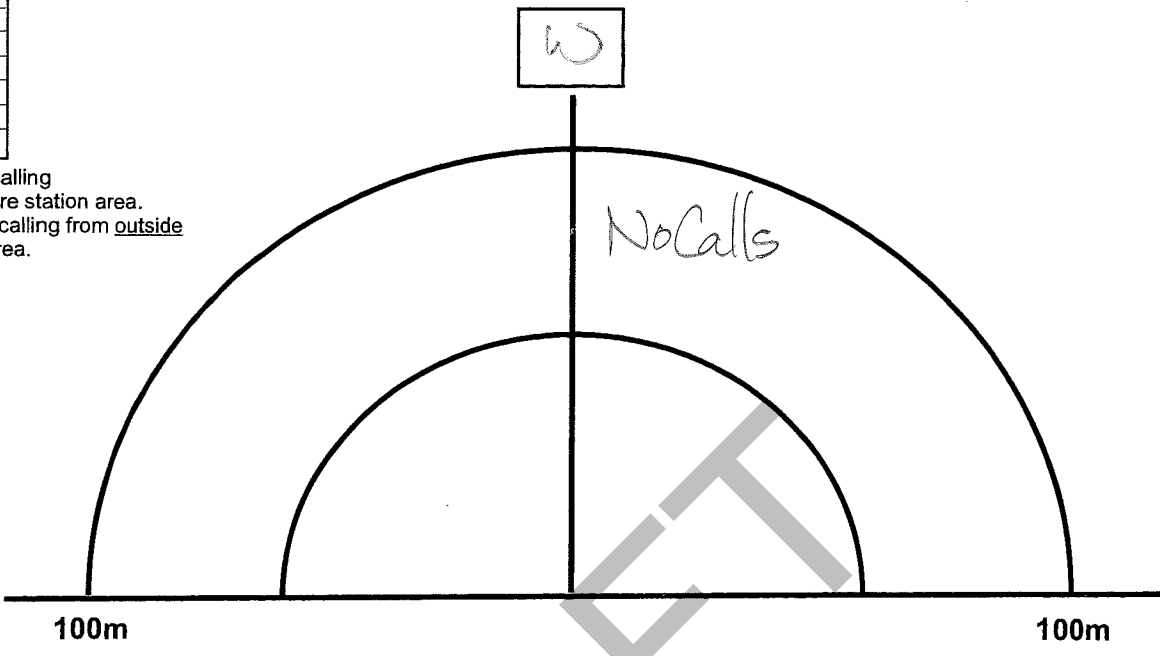
- * Check if species is calling from inside 100-metre station area.
- ** Check if species is calling from outside 100-metre station area.

Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

* Check if species is calling from inside 100-metre station area.
 ** Check if species is calling from outside 100-metre station area.

Station C

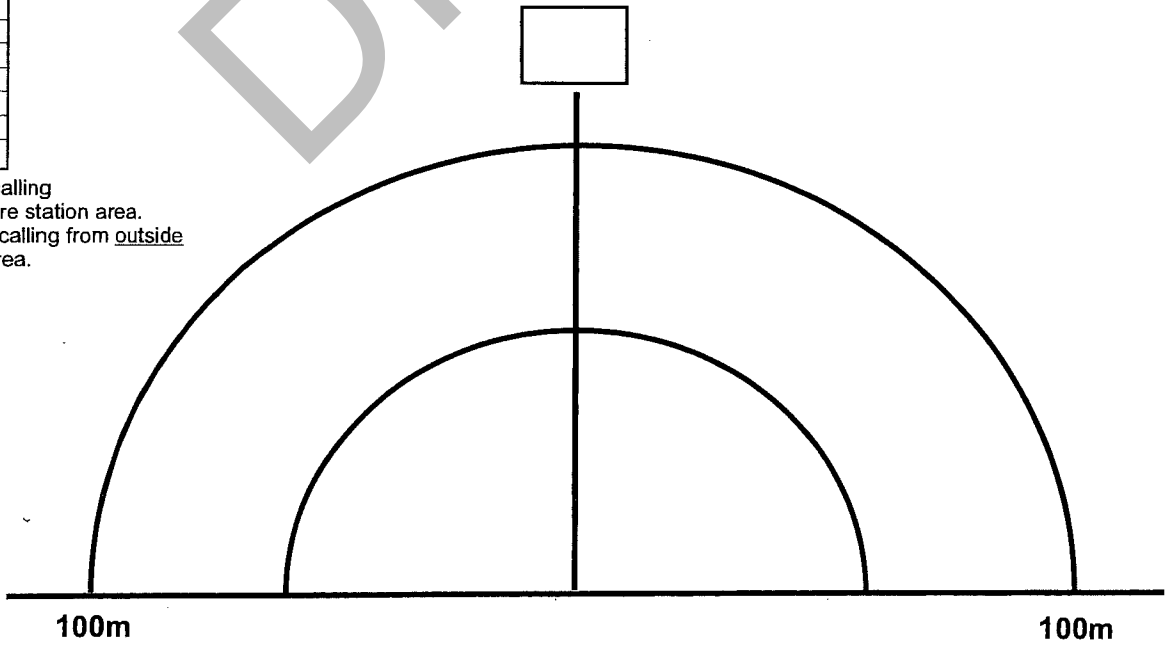
ABH-009



Species	In*	Out**
AMTO		
BCFR		
BULL		
CHFR		
CGTR		
FOTO		
GRTR		
GRFR		
MIFR		
NLFR		
PIFR		
SPPE		
WOFR		

* Check if species is calling from inside 100-metre station area.
 ** Check if species is calling from outside 100-metre station area.

Station D



ELC
WILDLIFE

SITE: **ABH-003**
 POLYGON: **FOM3-**
 DATE: **March 21, 2012**
 SURVEYOR(S): **CP**

START TIME: _____ END TIME: _____

TEMP (°C): **23** CLOUD (10th): **2** WIND: **2** PRECIPITATION: **Nil**

CONDITIONS: **Sunny + hot**

POTENTIAL WILDLIFE HABITAT:

<input checked="" type="checkbox"/>	VERNAL POOLS	<input type="checkbox"/>	SNAGS
<input type="checkbox"/>	HIBERNACULA	<input checked="" type="checkbox"/>	FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
			Wild turkey tracks						
			wood frogs						

FAUNAL TYPE CODES (TY):
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

EVIDENCE CODES (EV):
 BREEDING BIRD - POSSIBLE:
 SH = SUITABLE HABITAT

BREEDING BIRD - PROBABLE:
 T = TERRITORY
 A = ANXIETY BEHAVIOUR

BREEDING BIRD - CONFIRMED:
 DB = DISTRACTION
 NE = EGGS
 AE = NEST ENTRY

OTHER WILDLIFE EVIDENCE:
 OB = OBSERVED
 DP = DISTINCTIVE PARTS
 TK = TRACKS
 SI = OTHER SIGNS (specify)

SM = SINGING MALE
 D = DISPLAY
 N = NEST BUILDING
 NU = USED NEST
 NY = YOUNG

P = PAIR
 V = VISITING NEST
 FY = FLEDGED YOUNG
 FS = FOOD/FAECAL SACK
 CA = CARCASS
 FY = EGGS OR YOUNG
 SC = SCAT

NOTES:

- 2 large vernal pools were waded to determine if egg masses are present

- pools are 0.40m deep at max depth

- No egg masses observed in either pool

- Numerous wood frogs observed - 7-10 individuals

- Turkeys heard calling to the SW of Schaeferview Rd

GPS # 124 on Garmin - See Olympus Photos 12 March 21, 2012 AM

ELC
WILDLIFE

SITE: ABH-004 (north of T-31)
 POLYGON: F0155-8
 DATE: APR 25, 12
 SURVEYOR(S): CP
 START TIME: 8:00 END TIME: 19:00
 TEMP (°C): 12°C CLOUD (10th): 8 WIND: 1 PRECIPITATION: ND
 CONDITIONS: turning overcast from sunny

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS (north edge) SNAGS
 HIBERNACULA FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#
	BB		Wood frogs	
	DB		Cyprinids observed in creek	

NOTES:

- Vernal Pools, very small (< 15cm deep very shallow)
 - no egg masses observed, no fairy shrimp, mosquito + black fly larvae
 - 8 wood (and frogs observed) spring peeper + wood frog
 - Den observed in wood pile (Sara MUSE has detailed notes)
 - Water course flowing NW has cyprinids and areas where frogs may use during summer
 - drain like channel in sand + gravel substrate
 - no rock piles observed or snake hibernacula
 - no major standing water

FAUNAL TYPE CODES (TY):
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

EVIDENCE CODES (EV):
 BREEDING BIRD - POSSIBLE:
 SH = SUITABLE HABITAT

BREEDING BIRD - PROBABLE:
 T = TERRITORY
 A = ANXIETY BEHAVIOUR

BREEDING BIRD - CONFIRMED:
 DD = DISTRACTION
 NE = EGGS
 AE = NEST ENTRY

OTHER WILDLIFE EVIDENCE:
 OB = OBSERVED
 DP = DISTINCTIVE PARTS
 TK = TRACKS
 SI = OTHER SIGNS (specify)

BREEDING BIRD - PROBABLE:
 SM = SINGING MALE

BREEDING BIRD - CONFIRMED:
 D = DISPLAY
 N = NEST BUILDING
 NU = USED NEST
 NY = YOUNG

BREEDING BIRD - CONFIRMED:
 DD = DISTRACTION
 NE = EGGS
 AE = NEST ENTRY

BREEDING BIRD - CONFIRMED:
 P = PAIR
 V = VISITING NEST

BREEDING BIRD - CONFIRMED:
 FY = FLEDGED YOUNG
 FS = FOOD/FAECAL SACK

OTHER WILDLIFE EVIDENCE:
 CA = CARCASS
 FY = EGGS OR YOUNG
 SC = SCAT

LEVEL

ELC
WILDLIFE

SITE: ABH-005
 POLYGON: F023-1
 DATE: March 21, 2012
 SURVEYOR(S): CP

START TIME: _____ END TIME: _____

TEMP (°C): 23 CLOUD (10th): 1 WIND: 1 PRECIPITATION: _____

CONDITIONS: Sunny, low wind - Very warm for March

POTENTIAL WILDLIFE HABITAT:

<input checked="" type="checkbox"/> VERNAL POOLS	<input type="checkbox"/> SNAGS
<input type="checkbox"/> HIBERNACULA	<input checked="" type="checkbox"/> FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
			Garter Snake						
			Wood Frog						

- FAUNAL TYPE CODES (TY):
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER
- EVIDENCE CODES (EV):
 BREEDING BIRD - POSSIBLE:
 SH = SUITABLE HABITAT SM = SINGING MALE
 BREEDING BIRD - PROBABLE:
 T = TERRITORY D = DISPLAY P = PAIR
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST
- BREEDING BIRD - CONFIRMED:
 DD = DISTRACTION NU = USED NEST NY = YOUNG
 NE = EGGS
 AE = NEST ENTRY
- OTHER WILDLIFE EVIDENCE:
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS OR YOUNG
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT
 SI = OTHER SIGNS (specify)

NOTES:

- Numerous small vernal pools
- may not contain water until July
- dead garter snake observed in drain
- Max depth of vernal pools is 0.15m
- small garter snake observed along west side of woodlot
- Surveyed for salamander egg masses
- no egg masses observed

GPS# 123

Photos on Olympus March 21, 2012 AM

LEVEL

Page 1

ELC
WILDLIFE

SITE: *ABH-006 (south end of woodlot)*
POLYGON: *FOU4-7*
DATE: *MARCH 30, 2012*
SURVEYOR(S): *JP*
START TIME: END TIME:

TEMP (°C): *3* CLOUD (10%): *10* WIND: *5* PRECIPITATION: *Nil*
CONDITIONS: *Cold front, windy*

POTENTIAL WILDLIFE HABITAT:

<input checked="" type="checkbox"/>	VERNAL POOLS	<input checked="" type="checkbox"/>	SNAGS
<input type="checkbox"/>	HIBERNACULA	<input type="checkbox"/>	FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#

GPS # 128

NOTES:

- small deep vernal pool (70.6m deep)
- numerous logs + branches are in the pool
- inspected/waded to determine if egg masses present
- no egg masses observed
- no fairy shrimp

- FAUNAL TYPE CODES (TY):
B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER
EVIDENCE CODES (EV):
BREEDING BIRD - POSSIBLE:
SH = SUITABLE HABITAT
BREEDING BIRD - PROBABLE:
T = TERRITORY A = ANXIETY BEHAVIOUR
BREEDING BIRD - CONFIRMED:
DD = DISTRACTION NE = EGGS AE = NEST ENTRY
OTHER WILDLIFE EVIDENCE:
OB = OBSERVED DP = DISTINCTIVE PARTS TK = TRACKS SI = OTHER SIGNS (specify)
SM = SINGING MALE
D = DISPLAY N = NEST BUILDING
NU = USED NEST NY = YOUNG
VO = VOCALIZATION HO = HOUSE/DEN FE = FEEDING EVIDENCE
P = PAIR V = VISITING NEST
FY = FLEDGED YOUNG FS = FOOD/FAECAL SACK
CA = CARCASS FY = EGGS OR YOUNG SC = SCAT

LEVEL.

Completed

ELC
WILDLIFE

SITE: ABT-006 (north end of woodlot)
 POLYGON: FDP4-2
 DATE: MARCH 30, 2012
 SURVEYOR(S): CP
 START TIME: _____ END TIME: _____
 CLOUD (10th): 10 WIND: SE PRECIPITATION: _____
 CONDITIONS: Windy and cold

POTENTIAL WILDLIFE HABITAT:

<input checked="" type="checkbox"/> VERNAL POOLS	<input type="checkbox"/> SNAGS
<input type="checkbox"/> HIBERNACULA	<input checked="" type="checkbox"/> FALLEN LOGS
<input type="checkbox"/>	<input type="checkbox"/>

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#
			<u>will turkey ponds</u>	

NOTES:
 - 2 vernal pools observed within woodlot
 - depth ranged from 0.25 to 0.30m
 - pools waded to determine if egg masses present
 - no egg masses observed
 - may be too shallow for breeding
 - no fairy shrimp in either pool

GPS #129 + 130
 Photos taken @ 2:00 + 3:00pm on Olympus camera March 30, 2012

FAUNAL TYPE CODES (TY):
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER
 EVIDENCE CODES (EV):
 BREEDING BIRD - POSSIBLE: SH = SUITABLE HABITAT
 BREEDING BIRD - PROBABLE: T = TERRITORY A = ANXIETY BEHAVIOUR
 BREEDING BIRD - CONFIRMED: DD = DISTRACTION NE = EGGS AE = NEST ENTRY
 OTHER WILDLIFE EVIDENCE: OB = OBSERVED DP = DISTINCTIVE PARTS TK = TRACKS SI = OTHER SIGNS (specify)
 SM = SINGING MALE
 D = DISPLAY N = NEST BUILDING
 P = PAIR V = VISITING NEST
 NU = USED NEST NY = YOUNG
 VO = VOCALIZATION HO = HOUSE/DEN FE = FEEDING EVIDENCE
 CA = CARCASS FY = EGGS OR YOUNG SC = SCAT
 FS = FOOD/FAECAL SACK

Northland Power - Salamander Egg Mass Survey - March 2012

SITE: ABH-009 and TWA-002 / RH-004
 POLYGON: F0D4-E2 / RH-005
 DATE: March 20 + 30, 2012
 SURVEYOR(S): CP
 START TIME: _____ END TIME: _____
 TEMP (°C): 24/3 CLOUD (10hr): _____ WIND: 2 PRECIPITATION: Nil
 CONDITIONS: Sunny March 20th, Cooler on March 30th

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS
 SNAGS
 HIBERNACULA (rock piles) FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
1	Painted Turtle								
	Wood Frog								

- FAUNAL TYPE CODES (TY): B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER
 EVIDENCE CODES (EV):
 BREEDING BIRD - POSSIBLE: SH = SUITABLE HABITAT
 BREEDING BIRD - PROBABLE: SM = SINGING MALE
 BREEDING BIRD - TERRITORY: D = DISPLAY
 BREEDING BIRD - ANXIETY BEHAVIOUR: N = NEST BUILDING
 BREEDING BIRD - CONFIRMED: NU = USED NEST
 DD = DISTRACTION NY = YOUNG
 NE = EGGS
 AE = NEST ENTRY
 OTHER WILDLIFE EVIDENCE: VO = VOCALIZATION
 OB = OBSERVED HO = HOUSE/DEN
 DP = DISTINCTIVE PARTS FE = FEEDING EVIDENCE
 TK = TRACKS SI = OTHER SIGNS (specify)

NOTES:

- Site is located NW of T-17 backing onto golf course
- Vernal pool is present within 120m boundary of wind turbine
- medium sized pool ± 30x30m
- fairy shrimp observed
- Midland Painted turtle observed on March 20th basking on log
- Pool was waded on March 30th to look for egg masses, no egg masses observed
- Max depth is 0.45m in branches vegetation
- Area south of T-18 was also inspected for vernal pools, non-observed, mainly Plantation
- Amphibian Breeding was observed south of T-17, north of Sarasas Rd (American Road heard in 2011)
- Rock Piles inspected for snake hibernacula
- No Snakes observed, rock piles may not extend below frost line

LEVEL

ⓧ Talked to Sara Mainguy @ NSF
 mole Salamander migration March 12-13, 2012. Page # 7

Northland Snake Hibernacula Surveys 2012

ELC
 WILDLIFE

SITE: RH-00
 POLYGON:
 DATE: March 21, 2012
 SURVEYOR(S): CP
 START TIME: 12:00pm END TIME: 2:00pm

TEMP (°C): 23°C CLOUD (10th): 0 WIND: 2 PRECIPITATION: Nil
 CONDITIONS: Sunny & hot - unseasonably warm

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS	SNAGS
<input checked="" type="checkbox"/> HIBERNACULA concrete rubble	FALLEN LOGS
<input checked="" type="checkbox"/> round field stone	

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#
			wood frog in vernal pool	
			Cyprinids in creek	
			Turkey calls to the south	

FAUNAL TYPE CODES (TY):
 B = BIRD, M = MAMMAL, H = HERPETOFAUNA, L = LEPIDOPTERA, F = FISH, O = OTHER

EVIDENCE CODES (EV):
 BREEDING BIRD - POSSIBLE:
 SH = SUITABLE HABITAT
 BREEDING BIRD - PROBABLE:
 T = TERRITORY, N = NEST BUILDING, SM = SINGING MALE
 A = ANXIETY BEHAVIOUR, D = DISPLAY, P = PAIR, V = VISITING NEST
 BREEDING BIRD - CONFIRMED:
 DD = DISTRACTION, NU = USED NEST, NY = YOUNG, FY = FLEDGED YOUNG, FS = FOOD/FAECAL SACK
 NE = EGGS, AE = NEST ENTRY
 OTHER WILDLIFE EVIDENCE:
 OB = OBSERVED, VO = VOCALIZATION, CA = CARCASS
 DP = DISTINCTIVE PARTS, HO = HOUSE/DEN, FY = EGGS OR YOUNG
 TK = TRACKS, FE = FEEDING EVIDENCE, SC = SCAT
 SI = OTHER SIGNS (specify)

NOTES:

- Area north of T-35 (farm access and crossing) @ culvert
- areas of rock rubble round fieldstone
- no snakes observed
- not sure if rock extends below fast line
- wood frog observed in vernal pools in wood lot
- turkey calls to the south + east
- numerous cyprinids in drain

LEVEL

See NSF for field notes

SITE: TWA-001 (ARB-007) + RH-003
 POLYGON:
 DATE: March 20, 2012, May 1, 2012
 SURVEYOR(S): CP
 START TIME: 1400 END TIME: 1550
 PRECIPITATION: Nil

TEMP (°C): 24°C CLOUD (10th): 0 WIND: 2
 CONDITIONS: Sunny hot and dry - Very unseasonable

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS	<input checked="" type="checkbox"/>	SNAGS
HIBERNACULA (rock piles)	<input checked="" type="checkbox"/>	FALLEN LOGS
Turtle overwintering habitat	<input type="checkbox"/>	

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
			Leopard frog						
			spring peeper						

FAUNAL TYPE CODES (TY):
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

EVIDENCE CODES (EV):
 BREEDING BIRD - POSSIBLE:
 SH = SUITABLE HABITAT

BREEDING BIRD - PROBABLE:
 T = TERRITORY
 A = ANXIETY BEHAVIOUR

BREEDING BIRD - CONFIRMED:
 DD = DISTRACTION
 NE = EGGS
 AE = NEST ENTRY

OTHER WILDLIFE EVIDENCE:
 OB = OBSERVED
 DP = DISTINCTIVE PARTS
 TK = TRACKS
 SI = OTHER SIGNS (specify)

SM = SINGING MALE
 D = DISPLAY
 N = NEST BUILDING
 NU = USED NEST
 NY = YOUNG
 VO = VOCALIZATION
 HO = HOUSE/DEN
 FE = FEEDING EVIDENCE

P = PAIR
 V = VISITING NEST
 FY = FLEDGED YOUNG
 FS = FOOD/FAECAL SACK
 CA = CARGASS
 FY = EGGS OR YOUNG
 SC = SCAT

NOTES:

- Rock piles and southern facing slope inspected along water course that flows into ponded area

- no observations of turtles or snakes along S facing slope

- Ponded area inspected to observation for turtles basking (7 hour)

- no turtles observed basking

- calls from Leopard Frog (x2 males) and Spring Peepers (x2 males) heard

- ponded area is known for significant breeding habitat for amphibians

- no snakes observed around rockpiles

- no egg masses observed for Salamanders

- Rock piles are not large or deep enough to provide reptile hibernacula

May 1, 2012 - Weather Sunny 1st 7:10P
 - no turtles observed basking
 broken shells along southern facing slope

- no snakes observed during walk along woodlot edge LEVEL

⊗ See NSE notes from Sarah Mainguy for 1st observation on March 20, 2012

ELC WILDLIFE

SITE: RH-006 (near T-40)
 POLYGON: FDP5-8
 DATE: April 25, 2012, May 11, 2012
 SURVEYOR(S): CP
 START TIME: 1550 END TIME: 1630
 TEMP (°C): 14°C CLOUD (10hr): 0 WIND: 1 PRECIPITATION: ND
 CONDITIONS: Sunny, 1st warm day in a week

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS	SNAGS
✓ HIBERNACULA (snakes)	✓ FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#
OB	Field mouse			
OB	wild turkey (hen)			

NOTES:

- Located S of Turnbull Rd bridge
- many concrete, rock rubble piles
- wood debris, rubbish along woodlot edge, soil mounds
- appears to be suitable snake hibernaculi although no individuals observed
- 40 minutes of observation although no snake observations
- observed 1 field mouse, 1 wild turkey (hen)
- good conditions for snakes to be out hibernating / gestating

May 11, 2012 weather 71°F sunny & hot

- no snakes observed in this area?
- ideal habitat w/ debris track
- water course to the north

- FAUNAL TYPE CODES (TY):
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER
- EVIDENCE CODES (EV):
 BREEDING BIRD - POSSIBLE:
 SH = SUITABLE HABITAT
- BREEDING BIRD - PROBABLE:
 T = TERRITORY
 A = ANXIETY BEHAVIOUR
- BREEDING BIRD - CONFIRMED:
 DD = DISTRACTION
 NE = EGGS
 AE = NEST ENTRY
- OTHER WILDLIFE EVIDENCE:
 OB = OBSERVED
 DP = DISTINCTIVE PARTS
 TK = TRACKS
 SI = OTHER SIGNS (specify)
- SM = SINGING MALE
 D = DISPLAY
 N = NEST BUILDING
 NU = USED NEST
 NY = YOUNG
- P = PAIR
 V = VISITING NEST
- FY = FLEDGED YOUNG
 FS = FOOD/FAECAL SACK
 CA = CARCASS
 FY = EGGS OR YOUNG
 SC = SCAT

LEVEL

See NSE notes from Sarah Mangunyo for potential Snake habitat / rock piles

NOTES:

- 2 rock piles and wood debris
- shallow drain flows north along woodlot and west along north side of woodlot
- drain is very shallow, potential fish habitat
- no observations of wildlife
- no snakes observed

ELC
WILDLIFE

SITE: RT-007 (west of T42)
 POLYGON: 5044-2
 DATE: April 25, 12
 SURVEYOR(S): CP
 START TIME: 1700 END TIME: 1730
 TEMP (°C): 14 CLOUD (10th): 0 WIND: 1 PRECIPITATION: non
 CONDITIONS: Sunny, first warm day this week

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS SNAGS
 HIBERNACULA FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#

FAUNAL TYPE CODES (TY):
 B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

EVIDENCE CODES (EV):
 BREEDING BIRD - POSSIBLE:
 SH = SUITABLE HABITAT

BREEDING BIRD - PROBABLE:
 T = TERRITORY
 A = ANXIETY BEHAVIOUR

BREEDING BIRD - CONFIRMED:
 DD = DISTRACTION
 NE = EGGS
 AE = NEST ENTRY

OTHER WILDLIFE EVIDENCE:
 OB = OBSERVED
 DP = DISTINCTIVE PARTS
 TK = TRACKS
 SI = OTHER SIGNS (specify)

SM = SINGING MALE
 D = DISPLAY
 N = NEST BUILDING

P = PAIR
 V = VISITING NEST

FY = FLEDGED YOUNG
 FS = FOOD/FAECAL SACK
 CA = CARCASS
 FY = EGGS OR YOUNG
 SC = SCAT

NU = USED NEST
 NY = YOUNG
 VO = VOCALIZATION
 HO = HOUSE/DEN
 FE = FEEDING EVIDENCE

LEVEL