## Please return completed forms by 15 June 2021 to:

Catherine Dale Birds Canada 28 Cochrane St., Suite 103, St. John's, NL, A1C 3L3 phone: (613) 484-1217 email: cdale@birdscanada.org

SURVEYOR:	ASSISTANT:
Address:	Address:
	Postal
Postal Code:	Code:
Home telephone:	Home Telephone:
Work telephone:	Work Telephone:
Email:	Email:

BROADCAST EQUIPMENT											
Make,	Make, model, speaker wattage (if known):										
	When you tested your broadcast equipment, could you hear the Boreal Owl call (played at maximum volume without distortion) at:										
a)	400 metres distance?	Yes	No								
b)	500 metres distance?	Yes	No								

#### GENERAL REMARKS:

### INSTRUCTIONS AND CODING INFORMATION

SURVEY WINDOW: April 1<sup>st</sup> to May 15<sup>th</sup>.

**TIMING:** Begin one half hour after sunset and finish before midnight

**WEATHER**: The survey should be conducted on a calm night with little wind (less than Beaufort force 3, see below) and no precipitation.

**ROUTE**: Survey routes are at least 10 stops long spaced every 2.0 km. If possible, please scout your route in daylight prior to the survey. Fill out a stop description form to help you relocate your route in future years.

**SURVEY**: At each stop, listen quietly for two minutes, and record separately any owls heard or seen in each minute. Use one line on the data table for each individual owl. If you hear the same owl at adjacent stops, mark it with an "\*" and make a note in the comments column. Mark the distance and direction to each owl at the point when the owl first began to call (or was first seen).

WEATHE	R CODES	NOISE LEVEL CODES (Choose only one!)	
<ul> <li>WIND (Beaufort Scale)</li> <li>0. Calm, smoke rises vertically.</li> <li>1. Light air movement, smoke drifts.</li> <li>2. Slight breeze, wind felt on face.</li> <li>3. Gentle breeze, small twigs move.</li> <li>4. Moderate breeze, small branches move.</li> </ul>	<ol> <li>CLOUD COVER</li> <li>1. 0-25%</li> <li>2. 25-50%</li> <li>3. 50-75%</li> <li>4. 75-100%</li> <li>5. Fog</li> </ol>	<b>PRECIPITATION</b> (circle one) None Trace Rain Snow	<ol> <li>None or slight, relatively quiet, little interference.</li> <li>Moderate, some interference with broadcast and/or listening.</li> <li>High, substantial interference with broadcast and/or listening.</li> <li>Excessive noise, extreme interference with broadcast and/or listening.</li> </ol>
5. Fresh breeze, small trees sway.	Ū.		<b>TRAFFIC</b> Record number of vehicles which pass by during broadcast period.

## OWL SPECIES CODES

BOOW – Boreal Owl NSWO – Northern Saw-whet Owl

wl **SEOW** – Short-eared Owl

GHOW - Great Horned Owl

NHOW - Northern Hawk Owl UNOW - Unknown Owl

If more than 4 individual owls are heard at a single stop, use the additional lines found at the end of the data sheet to report them. Be sure to indicate the stop at which each additional owl was detected.

### **DIRECTION TO OWL**

Use a compass to determine North. Face north and align the North arrow on your "compass direction sheet" with true north. Determine the direction that the owl **began calling from**. Mark **one** of the following directions in the space provided (N, NE, E, SE, S, SW, W, NW).

## **DISTANCE TO OWL**

Tick off the box that best describes the distance to the owl from your car **when the owl first began to call**.

# Newfoundland & Labrador Nocturnal Owl Survey - 2021

	Survey	/ Informatio	on	Ĭ	1	Weather Co	onditions	at Sta	rt		Weather Conditions at End							
Surveyor: Date: Route Nan Route Nur	me:				Temperature Wind (circle Cloud Cover Precipitation	e one): 0 1 er (circle one)	2 3 4 5 e): 1 2 3 4	1 snov	v	Wi Clo	Temperature: °C Wind (circle one): 0 1 2 3 4 5 Cloud Cover (circle one): 1 2 3 4 5 Precipitation (circle one): none trace rain snow							
		1	Mark "X" if spe Use an "*'	ecies is hear if same in	d; "S" if seen; " dividual was h		Dis	stance to (n		owl								
Stop # Odometer Time of Day	Species Code	1 <sup>st</sup> minute	2 <sup>nd</sup> minute	After 1 <sup>st</sup> BOOW	After 2 <sup>nd</sup> BOOW	After 1 <sup>st</sup> NSWO	After 2 <sup>nd</sup> NSWO	Repeat?	Direction to owl	<200	200- 500	500- 1000	1000+	Traffic count (# cars)	Noise Level (1-4)	Woodcock	Ruffed Grouse	Snipe
# 1 km														Comments				
# 2				 													<b></b>	
km														Comments	L		ı	
# 3 km						 								Comments				
														Comments				
# 4 km								-						Comments				
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# 5 km														Comments				
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# 6 km														Comments				
															<del>.</del>			r
# 7 km														Comments				
:										······								

		ľ	Mark "X" if spe Use an "*'	ecies is heard if same ind	; "S" if seen; " ividual was h	XS" if heard a neard a	and seen <b>stop.</b>			Distance to each owl (m)			vl (m)				
Stop # Odometer Time of Day	Species Code	1 <sup>st</sup> minute	2 <sup>nd</sup> minute	After 1 <sup>st</sup> BOOW	After 2 <sup>nd</sup> BOOW	After 1 <sup>st</sup> NSWO	After 2 <sup>nd</sup> NSWO	Repeat	Direction to Owl	<200	200- 500	500- 1000	1000+	Traffic count (# cars)	Noise Level (1-4)	Woodcock	Ruffed Grouse
# 8																	
km														Comments			
:	L																
#9																	
km														Comments			
:	L																
# 10																	
km														Comments			
:																	

		Mark "X" if species is heard; "S" if seen; "XS" if heard and seen Use an "*" if same individual was heard at last stop.							Dista	nce to e	each ow	/l (m)		
Stop	Species Code	1 <sup>st</sup> minute	2 <sup>nd</sup> minute	After 1 <sup>st</sup> BOOW	After 2 <sup>nd</sup> BOOW	After 1 <sup>st</sup> NSWO	After 2 <sup>nd</sup> NSWO	Repeat	Direction to Owl	<200	200- 500	500- 1000	1000+	Use these lines for any additional owls
······														detected. Please make sure to note the stop numbers!