

Project WAfLS Short-eared Owl Survey Datasheet (Datasheet Version: 2019a)

State: _____ Grid #: _____ Date: _____ Visit # (1 or 2) _____

Lead Observer: _____

Affiliation(s): _____

Hours and Miles:

(Hours = prep, travel, survey × people; Miles = vehicle miles; “Federal” includes all federal sources, even if you work for a state or NGO agency).

Paid Hours Federal: _____

Paid Hours Non-Federal: _____

Paid Miles Federal: _____

Paid Miles Non-Federal: _____

Volunteer Hours: _____

Volunteer Miles: _____

Other Observers: _____

Cloud cover (Clear, PC, MC, Cloudy): _____ Temperature: _____ °F; Wind (0 – 7): _____



Point #1

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #2

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #3

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #4

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #5

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #6

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 – 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #7

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #8

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #9

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #10

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (**D.ddddd, -D.ddddd**): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

Notes: _____



Point #11

Habitat w/in 400-m (must total to 100%):

% Shrub (low)	% Shrub (high)	% Cheatgrass Monoculture	% Complex Grassland	% Ag (fallow)	% Ag (dirt)	%Ag (stubble)	% Ag (green)	% Marsh / riparian	% Other	
										=100%

Must fill in all categories (0 = none observed)

% habitat grazed	# livestock visible

(during data entry don't forget # Unconfirmed SEOW info collected below)

Start Time (24h, e.g., 1843): _____ GPS Coordinates (D.ddddd, -D.ddddd): _____

How SEOW detected (seen/heard)	Initial Distance <input checked="" type="checkbox"/>				Initial Direction (N, NE, E,...)	Habitat where obs. (shrub, grass, ag, marsh, other)	Minutes Observed (Check all <input checked="" type="checkbox"/>)					Vocalizations/Sounds (list all - hoots, barks, screams, wing clip, bill snap)	Behavior (list all - perched, foraging, direct flight, agonistic, courtship)
	< 200m	200-400m	400 - 600m	> 600m			1	2	3	4	5		

Must fill in all categories (0 = none observed)

# Long-eared Owls	# Northern Harriers	# Ferruginous Hawks	# Burrowing Owls	# Long-billed Curlews	# Unconfirmed SEOW

Other species observed (raptors or other species of note):

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