

## 2019 Broomfield Bald Eagle Watch Data Sheet

Site Code	Date	Start Time	End Time	Observer	Observation Pt.	Sky Code
SL	1/23/2019	8:46	10:16	AJS	A	PC
<b>Noise</b>	<b>Start</b>	49.9-59.7	<b>End</b>	54.1-66.1	<b>Temp (F)</b>	34° 43°

Number of adult Bald Eagles detected	1
Number of nestlings detected	
Number of fledglings detected	

Behaviors <sup>A</sup>
P- Perched <sup>1</sup> (A)
NI - Nest Incubating (L)
NB - Nest Brooding (1)
NC - Nest Const/Maint. (D)
FS - Feeding Self (C)
FY - Feeding Young (M)
PR - Preening (B)
BR - Branching
FL - Fledging
SL - Sleeping (E)
AI - Aggressive Interact. (F)
Fly - to/from Nest/Perch (7)
TE- Territory Flight (8)
NV - Not Visible (9)
C - Courtship (G)
Cop - Copulate (H)

Disturbance Indicators (DI)	
1	Staring Intently
2	Raised hackles
3	Alert posture
4	Distress calls <sup>2</sup> (three distinctive calls of nesting birds in response to humans) <ul style="list-style-type: none"> <li>a. "chatter call" à 3-4 intro notes w/ short gasps of silence (&lt;1s) followed by rapid sequence of descending notes, usually 6-9 notes (kwit kwit kwit kwit kee-kee-kee-kee)</li> <li>b. "peal" high-pitched, prolonged, gull-like cry, repeated 3-5 times</li> <li>c. "wails" (rare)</li> </ul>
5	Flushing
6*	Standing over their eggs (For an extended period > 10 min. notify super; > 20 minutes Stop Work)
7*	Standing on the side of nest (For an extended period > 10 min notify super; > 20 minutes Stop Work)
8*	Absence from the nest for an extended period
9	Direct flight toward construction, particularly if vocalizing while flying
10	Vocalization during flight in the vicinity of construction

<sup>2</sup>. Any distress call must be investigated to determine cause and **any construction or human activity that may be responsible for the distress call, must be halted or modified immediately.**

\*. Applies to incubation /brooding periods - once chicks hatch standing in or on the side of the nest is normal. Absence from nest also common

<sup>A</sup>. The alpha-numeric codes in parenthesis correspond to FRNBES behavior codes

**Please include additional notes and comments below:**

One adult bald eagle (A1) was observed perched in the nest at the beginning of the survey. The eagle flew off to the SW within the first minute of the survey; not possible to take a photo of the eagle before its departure. No other eagle activity was observed for the remainder of the survey. Moderate construction was performed throughout the survey in Zones A and B, and consisted primarily of framing buildings. Construction noise included hammering, drilling, and backup alarms.

Plumage
Y - Young
JU - Juvenile
SU- Sub Adult
AD- Adult

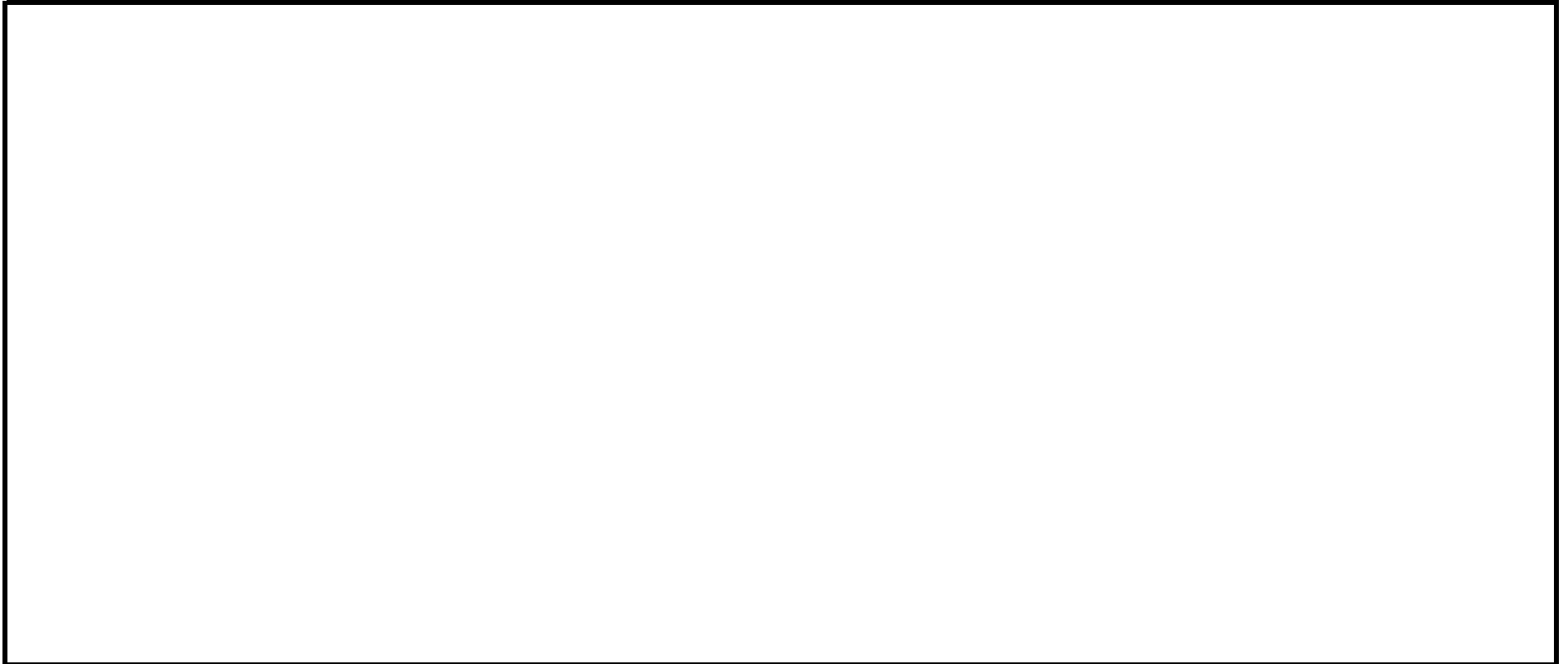
Eagle ID Examples
A1 - Adult 1
A2 - Adult 2
Y1 - First Eaglet
Y2 - Second Eaglet
Y3- Third Eaglet

Sky Codes	
CL	Clear
PC	Partly Cloudy
OC	Overcast
DR	Drizzle
RA	Rain
SN	Snow
SL	Sleet/hail
FH	Fog/Haze

Wind Codes	Speed (mph)	Description
0	0	Smoke rises vertically
1	1-3	Wind direction visible in smoke
2	4-7	Wind felt on face, leaves rustle
3	8-12	Leaves and smaller twigs in constant motion
4	13-18	Small branches sway
5	19-24	Smaller trees sway
6	25-31	Large branches in motion
6+	31+	Whole trees in motion

Used as a back-up to anemometer

Photo (s)



Time (Continuous)	3 min. obs.	Behavior					Disturbance <sup>3</sup>		Notes /comments/Loc <sup>2</sup>	Wind	
		A1	A2	Y1	Y2	Y3	Type	DI		Spd.	Dir.
8:46	0	P1					constr.		Perched in nest	16.3	NW
0:00		Fly							A1 flew from nest and headed SW and lost to view		
	8:49						constr.		No eagles observed		
	8:52						constr.		No change		
	8:55						constr.		No change		
	8:58						constr.		No change		
	9:01						constr.		No change		
	9:04						constr.		No change		
	9:07						constr.		No change		
	9:10						constr.		No change		
	9:13						constr.		No change		
	9:16						constr.		No change	10.41	W
	9:19						constr.		No change		
	9:22						constr.		No change		
	9:25						constr.		No change		
	9:28						constr.		No change		
	9:31						constr.		No change		
	9:34						constr.		No change		
	9:37						constr.		No change		
	9:40						constr.		No change		
	9:43						constr.		No change		
	9:46						constr.		No change	4.47	W
	9:49						constr.		No change		
	9:52						constr.		No change		
	9:55						constr.		No change		
	9:58						constr.		No change		
	10:01						constr.		No change		
	10:04						constr.		No change		
	10:07						constr.		No change		
	10:10						constr.		No change		

<sup>1</sup>. Perch type = 1. On nest; 2. In nest tree (outside of nest); 3. < 50 m. outside of nest tree; 4. >51-200 m from nest; 5. 201-1000 m. from nest; 6. >1k from nest. mark locations on attached map

<sup>3</sup>. Mark disturbance on BBC property on attached map (Figure 2)

**Disturbance Type** includes: construction, highway/traffic, train, aircraft, pedestrians, horseback riders, other

