

2019 Broomfield Bald Eagle Watch Data Sheet

Site Code	Date	Start Time	End Time	Observer	Observation Pt.	Sky Code
SL	5/6/2019	12:45 PM	14:45 PM	NHH	A	PC
Noise		Start	End	Temp (F)		
		41.7	42.5	75 71		

Number of adult Bald Eagles detected	2
Number of nestlings detected	2
Number of fledglings detected	0

Behaviors ^A
P- Perched ¹ (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 ² (three distinctive calls of nesting birds in response to humans) <ul style="list-style-type: none"> a. "chatter call" à 3-4 intro notes w/ short gasps of silence (<1s) followed by rapid sequence of descending notes, usually 6-9 notes (kwit kwit kwit kwit kee-kee-kee-kee) b. "peal" high-pitched, prolonged, gull-like cry, repeated 3-5 times c. "wails" (rare)
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

². 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

^A. The alpha-numeric codes in parenthesis correspond to FRNBES behavior codes

Please include additional notes and comments below:

Two adults and two young observed during the site visit; construction activity has moved closer to the nest location, with framing being pieced together in southeast area of zone A; adults did not appear bothered by activity.

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 ³		Notes /comments/Loc ²	Wind	
		A1	A2	Y1	Y2	Y3	Type	DI		Spd.	Dir.
12:45		P2	NV	P1	P1		Construction	0	A1 (female) at top of nest tree	2.36	NE
	12:48	P2	NV	P1	P1		Construction	0	no change		
12:50		P1	P1	P1	P1		Construction	0	A2 and A1 to nest		
	12:51	P1	P2	P1	P1		Construction	0	A2 to lower branch nest tree		
	12:54	NB	TE	P1	P1		Construction	0	A2 fly south, A1 in nest		
	12:57	NB	NV	P1	P1		Construction	0	no change		
	13:00	NB	P2	P1	P1		Construction	0	A2 to lower branch nest tree		
	13:03	NB	P2	P1	P1		Construction	0	no change		
	13:06	NB	P2	P1	P1		Construction	0	no change		
	13:09	NB	P2	P1	P1		Construction	0	no change		
	13:12	NB	P2	P1	P1		Construction	0	no change		
	13:15	NB	P2	P1	P1		Construction	0	no change	2.82	NE
	13:18	TE	P2	P1	P1		Construction	0	A1 circling		
13:19		P3	P2	P1	P1		Construction	0	A1 to Perch A		
	13:21	P3	P2	P1	P1		Construction	0	no change		
	13:24	P3	P2	P1	P1		Construction	0	no change		
	13:27	P3	P2	P1	P1		Construction	0	no change		
	13:30	P3	P2	P1	P1		Construction	0	no change		
13:31		P3	P2	P1	P1		Aircraft	0	no change		
	13:33	P3	P2	P1	P1		Construction	0	no change		
	13:36	NV	P2	P1	P1		Construction	0	A1 fly south		
	13:39	NV	P2	P1	P1		Construction	0	no change		
	13:42	NV	P2	P1	P1		Construction	0	no change		
	13:45	NV	P2	P1	P1		Construction	0	no change	3.51	N
	13:48	NV	P2	P1	P1		Construction	0	no change		
	13:51	NV	P2	P1	P1		Construction	0	no change		
	13:54	NV	P2	P1	P1		Construction	0	no change		
	13:57	NV	P2	P1	P1		Construction	0	no change		
	14:00	NV	P2	P1	P1		Construction	0	A2 to top of nest tree		

¹. 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

³. Mark disturbance on BBC property on attached map (Figure 2)



Broomfield Eagle Evaluation



Nest Location



Disturbance Zone Boundary

Image Source: DigitalGlobe© October 10, 2017

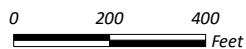


Figure 2
Title

Prepared for: City of Broomfield
Open Space and Trails
File: 6950 Figure 2.mxd (WH)
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