

Broomfield Bald Eagle Watch Data Sheet

Site Code	Date	Start Time	End Time	Observer
SL	5/22/2018	1100	1400	TR

Number of adult Bald Eagles detected	1
Number of nestlings detected	1
Number of fledglings detected	0

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

Wind Code Sky Code Temp (F)

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

Disturbance Indicators	
1	Intent staring
2	Raised hackles
3	Alert posture
4	Distress calls* (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)

**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.*

Behaviors ¹
P- Perched ²
NI - Nest Incubating (1)
NB - Nest Brooding (1)
NC - Nest Const/Maint. (D)
FS - Feeding Self (C)
FY - Feeding Young (C)
PR - Preening (B)
FL - Fledging
SL - Sleeping (E)
AI - Aggressive Interact. (F)
Fly - to/from Nest/Perch (5)
TE- Territory Flight (6)
NV - Not Visible (7)
C - Courtship/Copulate (G/H)

ID	Time	Behavior	Disturbance	Notes /comments/Loc ²
A1,Y1	1100	P1,P1	0	A1 and Y1 perched in nest
A1,Y1	1115	P1,P1	0	No change
A1,Y1	1130	PR,P1	0	A1 preening
A1,Y1	1140	P1,FS	0	Y1 feeding on scraps in nest
A1,Y1	1145	P1,P1	0	A1 P1, Y1 perched low in nest bowl
A1,Y1	1200	P1,P1	0	No change
A1,Y1	1205	Fly,P1	0	A1 circled off nest and landed in nest again
A1,Y1	1215	PR,P1	0	Adult preening, Y1 low in nest bowl
A1,Y1	1230	P1,P1	0	A1 and Y1 perched in nest
A1,Y1	1239	PR,P1	0	A1 preening
A1,Y1	1245	P1,PR	0	Y1 preening
A1,Y1	1300	P1,P1	0	A1 and Y1 perched in nest
A1,Y1	1308	P1,P1	0	No change
A1,Y1	1312	PR,P1	0	A1 preening
A1,Y1	1313	P1,P1	0	Y1 flapping wings
A1,Y1	1315	P1,P1	0	A1 and Y1 perched in nest
A1,Y1	1330	P1,P1	0	No change
A1,Y1	1334	P2,P1	0	A1 moved to perch in nest tree
A1,Y1	1340	Fly,P1	0	A1 circling over nest tree, rising, no calls - flies over work and temporary work stoppage invoked (details below)
A1,Y1	1354	Fly, P1	0	A1 circling high and moving north
A1,Y1	1400	P2,P1	0	A1 landed in nest tree

². Perch type = 1. On nest; 2. In nest tree (outside of nest); 3. < 50 m. outside of nest tree; 4. >50m from nest;

* Applies to incubation/brooding periods - after hatching, standing in or on the side of the nest is normal

Please include additional notes and comments below:

1308 construction of haybale wall began. Equipment moving haybales into place. A1 perched in nest, appeared alert, but no intent staring, no calls, has not changed position.

Work Stoppage detail

1340 A1 moved off perch and circled north over the project area, work was temporarily stopped to assess the situation.

1345 A1 circled high and to the north, lost sight at 1345.

1354 work was resumed, A1 came into sight and was soaring at high altitude.

1356 Work was briefly stopped to disable back up alarms on heavy equipment, A1 still soaring high and to the north.

1400 A1 circled down and landed in the nest tree.

1404 work was resumed with backup alarms disabled, A1 was perched in nest tree.

Continuous work on the haybale wall occurred from 1404 through end of observation with no apparent disturbance, no distress calls, or changes in posture signaling stress.

Work Stoppage summary

The adult bald eagle and the eaglet were at the nest at the initiation of hay bale construction after lunch on Tuesday afternoon. No distress calls, body posture changes or other indicators of disturbance were reordereed during construction start-up. About 15 minutes into the construction, the adult left the nest on its own accord and flew towards the north then began circling in the general direction of the work. As the eagle circled more directly over the work, the CCOB biologist (Tony) met with Terry, the project supervisor, and invoked a temporary work stoppage. Terry complied and immediately stopped work. The eagle continued to circle north and eventually out of view. the adult later returned to the nest and both adult and eaglet behavior appeared normal.

Note: data collection focused on change in behavior, particularly in response to construction and switched to 15 minute intervals