

Broomfield Bald Eagle Watch Data Sheet

Site Code	Date	Start Time	End Time	Observer
SL	6/11/2018	840	1539	TR

Number of adult Bald Eagles detected	2
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
840	A1,A2	P2,P2	0	Adults in tree, Y1 not visible, no work started
845	A1,A2	P2,P2	0	No change
847	A1,A2	P2,P2	0	Train passing, no change
900	A1,A2	P2,P2	0	No change
915	A1,A2	P2,P2	0	No change
919	A1,A2	P2,P2	0	Grader started, no behavior change
923	Y1	P1	0	Y1 observed in nest
930	A1,A2,Y1	P2,P2,P1	0	No change, earth moving west side
945	A1,A2,Y1	P2,P2,P1	0	Y1 hopped to perch on branch above nest
1000	A1,A2,Y1	P2,P2,P1	0	No change
1013	A1	Fly/P2	0	A1 flew to a different perch in nest tree
1015	A1,A2,Y1	P2,P2,P1	0	A1 preening
1018	A2	Fly/P2	0	A2 flew over work area, skirmished with RTH
1023	Y1	P1	0	Y1 flapped and hovered over nest for ~10sec
1030	A1,A2,Y1	P2,P2,P1	0	No change
1041	A1	Fly	0	A1 flew south of apartment buildings
1044	A1	Fly	0	A1 soaring east of nest tree
1045	A1,A2,Y1	Fly,P2,P1	0	A1 still soaring
1100	A2,Y1	P2,P1	0	A1 out of sight, A2 perched
1115	A2,Y1	P2,P1	0	No change
1130	A2,Y1	P2,P1	0	No change

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 and brooding periods - once chicks hatch standing in or on the side of the nest is normal

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ID	Time	Behavior	Disturbance	Notes /comments/Loc ²
1137	A2	Fly/P1	0	A2 flew to perch in nest
1143	A2	Fly/P2	0	A2 flew south then landed on east side of tree
1145	Y1	P1	0	Y1 perched, Adults not visible
1200	Y1	P1	0	No change, A2 still on east side of tree
1215	Y1	P1	0	No change
1230	Y1	P1	0	No change
1245	Y1	P1	0	No change
1300	Y1	P1	0	No change
1315	Y1	P1	0	No change
1330	Y1	P1	0	No change
1345	Y1	P1	0	No change
1400	Y1	P1	0	No change
1407	A2	P2	0	A2 briefly moved to visible perch
1414	A2	Fly/P2	0	A2 flew to different perch west side of tree
1415	A2,Y1	P2,P1	0	No change
1430	A2,Y1	P2,P1	0	No change
1445	A2,Y1	P2,P1	0	No change
1456	A2	Fly/P2	0	A2 flew to perch on east side of tree, NV
1500	A2,Y1	NV,P1	0	A2 not visible
1503	A2	Fly	4	A2 flies from tree, chatter call, see notes
1509	A2	Fly	0	A2 soaring over apartments
1515	A2	Fly	0	A2 soaring west of project area
1522	A2	Fly/P2	0	A2 soaring then lands out of sight on nest tree
1530	A2,Y1	P2,P1	0	A2 not visible but in nest tree
1539	A2,Y1	P2,P1	0	No change, work ended

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Please include additional notes and comments below:

Grading work began at 9:19 and was fairly continuous the entire observation period with occasional pauses or breaks. Grading occurred over the western half of the project area. No disturbance behaviors were detected in association with the grading operation.

10:18 A2 flew over the work area, soared in circles and physically clashed with a red-tailed hawk that was also circling in the area. The hawk retreated and A2 returned to the nest.

3:03 A2 left the nest tree and circled over the project area, it gave chatter calls while circling, and was seen circling and skirmishing with a red-tailed hawk that was also in flight in the area. The hawk retreated north and A2 gradually circled higher over the apartments and west of the project area before eventually returning to the nest tree. This behavior appeared associated with the hawk and not a result of construction activity. No equipment was actively being operated after approximately 3:05pm and work ended at 3:39pm.

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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