

Broomfield Bald Eagle Watch Data Sheet

Site Code	Date	Start Time	End Time	Observer
SL	7/16/2018	825	1202	RDB

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

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
0	825		Backhoe - 8 man crew	No eagles observed on arrival -
Y1	835	P2		Y1 perched on branch north side nest tree
Y1	850	P2		No change -hand digging trench
Y1	905	P2		No change
Y1	920	P2		No change
Y1	935	P2		No change
Y1	950	P2		No change
Y1	951	P2		No change - backhoe backs up and re-positions
Y1	954	P2		No change - backhoe excavates a few minutes
Y1	957	Fly		Y1 flies directly SW
Y1	958	Fly		Y1 joins Juv peregrine falcon soaring in thermal
Y1	1000	AI		Y1 attempts to steal prey from peregrine
Y1	1000	Fly		Peregrine easily out-maneuvers Y1
Y1	1003	Fly		Y1 soars in thermal with RT hawk and peregrine
Y1	1004	Fly		Y1 breaks off and soars to east
Y1	1006	Fly		Finds new thermal with 2 RT hawks
Y1	1008	AI		Y1 chases a RT hawk
Y1	1009	Fly		Returns to soaring
Y1	1012	Fly-NV		Flies directly to south and out of view
	1015	NV		
	1018	NV	Helicopter	Flies back and forth over open space 12 min.

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
	1030	NV		Backhoe starts excavating a few minutes
	1045	NV		
Y1	1047	Fly		Soaring in thermal far east w/ T vulture and Swainson's hawk
Y1	1050	AI		Swainson's hawk harasses Y!
Y1	1053	Fly		Drifts far to the east over Sterns Lake
Y1	1058	Fly - NV		Flies east until lost to view
Y1	1100	NV		
Y1	1103	Fly		Y1 relocated soaring northeast of nest
Y1	1108	P2	Mostly hand digging in 660-ft. buffer	After circling above nest and pond - returns to original perch in nest tree - good landing
Y1	1115			
Y1	1122	PR		Preening
Y1	1124	P2		Perched
Y1	1130	P2		No change
Y1	1145	P2		No change
Y1	1200	P2		No change
Y1	1202	P2		Crew shuts down for lunch - end observations

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Please include additional notes and comments below:

On arrival, 5 pieces of heavy equipment active beyond the 660-foot buffer fence, inside fence - 1 stationary backhoe and crew of 8 hand digging trench

1018 - 1030 helicopter flies back and forth over open space far to east and west - circles and maneuvers at different elevations (training/classes)

Summary:

No observed reaction by the fledging to work within the 660-foot buffer. Work consisted of a stationary backhoe doing some excavation, but most of the work was a crew of 7 hand-digging the trench. Much more activity with 6 to pieces of heavy equipment operating and numerous survey crews and other activities outside of the buffer. The eagles did not appear to respond to any of the construction activities.

The fledgling was perched in the nest tree on my arrival at 8:25 and at 9:57 took flight – soared high in a thermal and appeared to try to steal some food from a juvenile peregrine falcon. Also chased a red-tailed hawk while soaring. Flew far to the east and lost to view over Sterns Lake. Reappeared soaring over the nest and finally landed back at its original perch. Out of the nest and displaying strong flying skills for over an hour.