<table>
<thead>
<tr>
<th>Behaviors</th>
<th>Disturbance Indicators (DI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P - Perched (A)</td>
<td>1. Staring Intently</td>
</tr>
<tr>
<td>NI - Nest Incubating (L)</td>
<td>2. Raised hackles</td>
</tr>
<tr>
<td>NB - Nest Brooding (I)</td>
<td>3. Alert posture</td>
</tr>
<tr>
<td>NC - Nest Const/Maint. (D)</td>
<td>4. Distress calls* (three distinctive calls of nesting birds in response to humans)</td>
</tr>
<tr>
<td>FS - Feeding Self (C)</td>
<td>a. “chatter call” a 3-4 intro notes w/ short gasps of silence (&lt;1s) followed by rapid sequence of descending notes, usually 6-9 notes (kwit kwit kee-kee-kee-kee-kee)</td>
</tr>
<tr>
<td>FY - Feeding Young (M)</td>
<td>b. “peal” high-pitched, prolonged, gull-like cry, repeated 3-5 times</td>
</tr>
<tr>
<td>PR - Preening (B)</td>
<td>c. “wails” (rare)</td>
</tr>
<tr>
<td>BR - Branching</td>
<td>5. Flushing</td>
</tr>
<tr>
<td>FL - Fledging</td>
<td>6. Standing over their eggs (For an extended period &gt; 10 min. notify super; &gt; 20 minutes Stop Work)</td>
</tr>
<tr>
<td>SL - Sleeping (E)</td>
<td>7. Standing on the side of nest (For an extended period &gt; 10 min notify super; &gt; 20 minutes Stop Work)</td>
</tr>
<tr>
<td>AI - Aggressive Interact. (F)</td>
<td>8. Absence from the nest for an extended period</td>
</tr>
<tr>
<td>Fly - to/from Nest/Perch (7)</td>
<td>9. Direct flight toward construction, particularly if vocalizing while flying</td>
</tr>
<tr>
<td>TE - Territory Flight (8)</td>
<td>10. Vocalization during flight in the vicinity of construction</td>
</tr>
<tr>
<td>NV - Not Visible (9)</td>
<td>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.</td>
</tr>
<tr>
<td>C - Courtship (G)</td>
<td>* Applies to incubation/brooding periods - once chicks hatch standing in or on the side of the nest is normal. Absence from nest also common</td>
</tr>
<tr>
<td>Cop - Copulate (H)</td>
<td></td>
</tr>
</tbody>
</table>

* The alpha-numeric codes in parenthesis correspond to FRNBES behavior codes

Please include additional notes and comments below:

Two adults seen flying away from Del Corso, one adult observed at Stearns nest tree. Fence along south boundary of construction site has been removed. No construction activity along east boundary.
### Sky Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL</td>
<td>Clear</td>
</tr>
<tr>
<td>PC</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>OC</td>
<td>Overcast</td>
</tr>
<tr>
<td>DR</td>
<td>Drizzle</td>
</tr>
<tr>
<td>RA</td>
<td>Rain</td>
</tr>
<tr>
<td>SN</td>
<td>Snow</td>
</tr>
<tr>
<td>SL</td>
<td>Sleet/hail</td>
</tr>
<tr>
<td>FH</td>
<td>Fog/Haze</td>
</tr>
</tbody>
</table>

### Eagle ID Examples

- **A1** - Adult 1
- **A2** - Adult 2
- **Y1** - First Eaglet
- **Y2** - Second Eaglet
- **Y3** - Third Eaglet

### Wind Codes

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

Used as a back-up to anemometer.
<table>
<thead>
<tr>
<th>Time (Continuous)</th>
<th>Behavior</th>
<th>Disturbance</th>
<th>Notes / comments / Loc</th>
<th>Wind</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:40</td>
<td>NV NV</td>
<td>Construction</td>
<td>No adults visible from Del Corso</td>
<td>2.72 E</td>
</tr>
<tr>
<td>12:43</td>
<td>NV NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>12:46</td>
<td>NV NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>12:49</td>
<td>NV NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>12:52</td>
<td>NV NV</td>
<td>Construction</td>
<td>Leave for 104th</td>
<td></td>
</tr>
<tr>
<td>12:58</td>
<td>NV NV</td>
<td>Construction</td>
<td>At 104th, no adults visible</td>
<td></td>
</tr>
<tr>
<td>13:01</td>
<td>NV NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:04</td>
<td>NV NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:07</td>
<td>NV NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:10</td>
<td>NV NV</td>
<td>Construction</td>
<td>Leave for Del Corso (13:10-13:20)</td>
<td>1.47 E</td>
</tr>
<tr>
<td>13:20</td>
<td>Fly Fly</td>
<td>Construction</td>
<td>At Del Corso, 2 adults flying away, drove back to 104th (13:20-13:29)</td>
<td></td>
</tr>
<tr>
<td>13:29</td>
<td>P2 NV</td>
<td>Construction</td>
<td>Back at 104th, one adult in nest tree</td>
<td></td>
</tr>
<tr>
<td>13:32</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:35</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:38</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:41</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td>0.5 E</td>
</tr>
<tr>
<td>13:44</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:47</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:50</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:53</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:56</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>13:59</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>14:02</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>14:05</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>14:08</td>
<td>P2 NV</td>
<td>Construction</td>
<td>No change</td>
<td></td>
</tr>
<tr>
<td>14:10</td>
<td>P2 NV</td>
<td>Construction</td>
<td>End of survey</td>
<td>0.77 E</td>
</tr>
</tbody>
</table>

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 BBC property on attached map (Figure 2).

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

As of November 5, 2019, all behavior codes refer to the Stearns Nest Tree (Stearns Perch F) (Figure 1).
Figure 2
Disturbance Zones within BBC Construction Site

Prepared for: City of Broomfield
Open Space and Trails
File: 6950 Figure 2 Cons.mxd (WH)
December 11, 2019

Broomfield Eagle Evaluation

Nest Location
Disturbance Zone Boundary

Image Source: DigitalGlobe© September 15, 2018
Figure 1
Observation Points and Common Perch Locations

Broomfield Eagle Evaluation

Sections 21, 22, 27, and 28, T1S, R69W; 6th PM
UTM NAD 83: Zone 13N; 490856mE, 4421186mN
Longitude 105.107025°W, Latitude 39.940747°N
USGS Lafayette, CO Quadrangle
City and County of Broomfield and Boulder County, Colorado

Prepared for: City of Broomfield
Open Space and Trails
File: 6950 Figure 1 Perches.mxd (WH)
December 11, 2019

Image Source: DigitalGlobe© September 15, 2018