

**APPENDIX D**

**FLIGHT HEIGHT CHARACTERISTICS  
OF BIRDS IN THE  
CHINA MOUNTAIN PROJECT AREA**



**Table 1. Flight height characteristics by bird type observed during fixed-point bird use surveys at the China Mountain Project Area (Young et al., 2009).**

<b>Bird Type</b>	<b># Groups Flying</b>	<b># Obs Flying</b>	<b>Mean Flight Height (ft)</b>	<b>% Obs Flying</b>
Waterbirds	<b>3</b>	<b>5</b>	<b>31.67</b>	<b>100</b>
Raptors	<b>305</b>	<b>333</b>	<b>40.45</b>	<b>95.1</b>
<i>Accipiters</i>	26	28	76.85	100
<i>Buteos</i>	79	88	43.67	93.6
<i>Northern Harrier</i>	101	114	16.41	95.8
<i>Eagles</i>	47	49	78.94	98.0
<i>Falcons</i>	51	53	24.96	91.4
<i>Other Raptors</i>	1	1	250.00	100
Vultures	<b>45</b>	<b>101</b>	<b>43.31</b>	<b>100</b>
Upland Gamebirds	<b>2</b>	<b>13</b>	<b>65.50</b>	<b>16.3</b>
Doves/Pigeons	<b>20</b>	<b>61</b>	<b>35.10</b>	<b>60.4</b>
Passerines	<b>546</b>	<b>1,852</b>	<b>17.90</b>	<b>51.6</b>
Other Birds	<b>70</b>	<b>147</b>	<b>16.77</b>	<b>53.3</b>
<b>Overall</b>	<b>991</b>	<b>2,512</b>	<b>26.40</b>	<b>55.8</b>

**Table 2. Flight height characteristics of raptors observed during spring 2008 raptor migration surveys at the China Mountain Project Area (Young et al., 2009).**

<b>Species/Type</b>	<b># grps</b>	<b># obs.</b>	<b>Mean Flight Ht. (ft)</b>	<b>Median Flight Ht. (ft)</b>	<b>% in Flight</b>
<b>Raptors</b>	<b>163</b>	<b>191</b>	<b>105.2</b>	<b>75.0</b>	<b>99.5</b>
Accipiters	19	24	76.3	55.0	100
<i>Cooper's hawk</i>	8	10	67.5	50.0	100
<i>sharp-shinned hawk</i>	11	14	82.7	60.0	100
Buteos	50	61	148.1	110.0	100
<i>ferruginous hawk</i>	1	1	175.0	175.0	100
<i>red-tailed hawk</i>	37	45	145.6	100	100
<i>rough-legged hawk</i>	1	1	10.0	10.0	100
<i>Swainson's hawk</i>	4	5	173.8	187.5	100
<i>unidentified buteo</i>	7	9	162.1	100	100
Northern Harrier	22	25	57.5	17.5	100
<i>northern harrier</i>	22	25	57.5	17.5	100
Eagles	38	45	132.9	100	100
<i>golden eagle</i>	38	45	132.9	100	100
Falcons	32	34	51.3	10.0	97.1
<i>American kestrel</i>	27	29	49.3	10.0	96.7
<i>merlin</i>	1	1	4.0	4.0	100
<i>prairie falcon</i>	3	3	74.0	20.0	100
<i>unidentified falcon</i>	1	1	85.0	85.0	100
Other Raptors	2	2	167.5	167.5	100
<i>osprey</i>	1	1	125.0	125.0	100
<i>unidentified raptor</i>	1	1	210.0	210.0	100
<b>Vultures</b>	<b>39</b>	<b>72</b>	<b>103.2</b>	<b>75.0</b>	<b>100</b>
<i>turkey vulture</i>	39	72	103.2	75.0	100
<b>Overall</b>	<b>294</b>	<b>716</b>	<b>81.1</b>	<b>45.0</b>	<b>90.2</b>

**Table 3. Flight height characteristics of raptors observed during fall 2008 raptor migration surveys at the China Mountain Project Area (Young et al., 2009).**

<b>Species/Type</b>	<b># grps</b>	<b># obs.</b>	<b>Mean Flight Ht. (ft)</b>	<b>Median Flight Ht. (ft)</b>	<b>% in Flight</b>
<b>Raptors</b>	<b>108</b>	<b>116</b>	<b>125.5</b>	<b>85.0</b>	<b>100</b>
Accipiters	33	33	102.8	90.0	100
<i>Cooper's hawk</i>	12	12	99.8	82.5	100
<i>sharp-shinned hawk</i>	21	21	104.5	90.0	100
Buteos	9	10	242.2	80.0	100
<i>red-tailed hawk</i>	8	9	216.3	80.0	100
<i>unidentified buteo</i>	1	1	450.0	450.0	100
Northern Harrier	11	11	10.3	5.0	100
<i>northern harrier</i>	11	11	10.3	5.0	100
Eagles	46	53	154.9	107.5	100
<i>golden eagle</i>	46	53	154.9	107.5	100
Falcons	8	8	83.1	67.5	100
<i>American kestrel</i>	6	6	69.2	50.0	100
<i>merlin</i>	1	1	125.0	125.0	100
<i>peregrine falcon</i>	1	1	125.0	125.0	100
Other Raptors	1	1	75.0	75.0	100
<i>unidentified hawk</i>	1	1	75.0	75.0	100
<b>Vultures</b>	<b>4</b>	<b>11</b>	<b>168.8</b>	<b>145.0</b>	<b>100</b>
<i>turkey vulture</i>	4	11	168.8	145.0	100
<b>Overall</b>	<b>112</b>	<b>127</b>	<b>125.2</b>	<b>85.0</b>	<b>100</b>

