

**P-8E – Raptor Nest Aerial Surveys Technical Report**

## **2011 Report**



**TETRA TECH**

## **Boardman to Hemingway Transmission Line Project**

### **2011 Raptor Nest Aerial Surveys**



**4256RPT.DOC  
December 2011**

# **2011 Raptor Nest Aerial Surveys**

## **Boardman to Hemingway Transmission Line Project**

*Prepared for:*



*1221 West Idaho Street  
Boise, Idaho 83702*

*Prepared by:*

### **Tetra Tech**

*3380 Americana Terrace, Suite 201  
Boise, ID 83706  
(208) 389-1030*

Tetra Tech Project No. 106-4344

December 2011



## TABLE OF CONTENTS

1.0 INTRODUCTION.....	1
2.0 SURVEY AREA .....	1
3.0 METHODS .....	3
4.0 RESULTS .....	6
5.0 CONCLUSIONS.....	9
6.0 REFERENCES.....	11

## LIST OF TABLES

Table 1. Recommended Raptor Spatial Buffers (Whittington and Allen 2008).....	3
Table 2. Raptor Observations Not Associated With a Nest Site.....	7
Table 3. Total Active Raptor Nests by Species .....	7
Table 4. Distance from Active Raptor Nests to Project Features .....	8
Table 5. Nearest Project Milepost to Active Raptor Nests within USFWS Recommended Spatial Buffers .....	9

## LIST OF FIGURES

Figure 1. Study Area.....	2
Figure 2. Example Flight Path for Raptor Nest Surveys.....	5

## LIST OF APPENDICES

Appendix A	2011 Raptor Nest Aerial Survey Database
Appendix B	2011 Raptor Nest Aerial Survey Mapbook

## 1.0 INTRODUCTION

Idaho Power Company (Idaho Power) is proposing to construct and operate a new, approximately 300-mile-long, single-circuit 500 kilovolt (kV) electric transmission line between northeast Oregon and southwest Idaho, known as the Boardman to Hemingway Transmission Line Project (Project). The overhead, 500 kV transmission line will carry energy bi-directionally between a Portland General Electric (PGE) planned substation (Grassland Substation) adjacent to the Boardman Generating Plant, near Boardman in Morrow County, Oregon, and Idaho Power's existing Hemingway Substation, located in Owyhee County, Idaho (Figure 1). The Project will traverse federal, state, and private lands in six counties in Oregon and Idaho.

The Project would result in disturbances related to the construction of permanent facilities such as transmission tower pads, substations, regeneration stations, and permanent access roads, as well as temporary disturbances related to fly yards, lay down areas, tensioning sites, and temporary access roads. To help determine the degree of impact that could occur due to the construction and operation of these Project components, raptor use within and adjacent to the Project needs to be determined. Of particular interest are the locations of raptor nests in relation to proposed Project components.

The proposed Project would cross both public and private lands. Public lands are managed, in part, with the intent of conserving and improving wildlife populations, and public land managers have gathered data on lands they manage over the years. Data for private lands, with the exception of some statewide data gathered by state wildlife management agencies, are largely unavailable. This means that existing databases could not always be used to determine the locations of raptor nests that could be impacted by the Project. Therefore, raptor nest surveys were implemented to supplement existing data.

## 2.0 SURVEY AREA

The approach to delineating survey areas for raptors is based on the U.S. Fish and Wildlife's (USFWS) Draft Guidelines for Raptor Conservation in the Western United States (Whittington and Allen 2008). Whittington and Allen identify spatial buffers for nests of breeding raptors. The spatial buffer is a set-back distance within which potentially disturbing activities should not occur. These buffers are based on the species conservation ranking, knowledge of a species' tolerance of disturbance, and whether it nests predominantly in open versus forested habitats. Table 1 identifies the recommended spatial buffers of raptors that could occur within the Project area. Some of the species listed in Table 1 are uncommon and/or unlikely to be found in the Project area and the survey methodology presented in Section 3.0 is not necessarily the preferred methodology for all species (e.g., forest-dwelling owls).

Three distinct survey areas were identified based on the ecosystems crossed by the Project and the raptor species that are likely to be encountered. The survey areas include land within 0.5 mile, 1.0 miles, and 2.0 miles of the 500-foot-wide (250-feet each side of the Project Centerline) Study Area. The 0.5-mile survey area occurs in forested lands and corresponds with the largest spatial buffer of a raptor that could occur in this habitat, in this case, the northern goshawk.

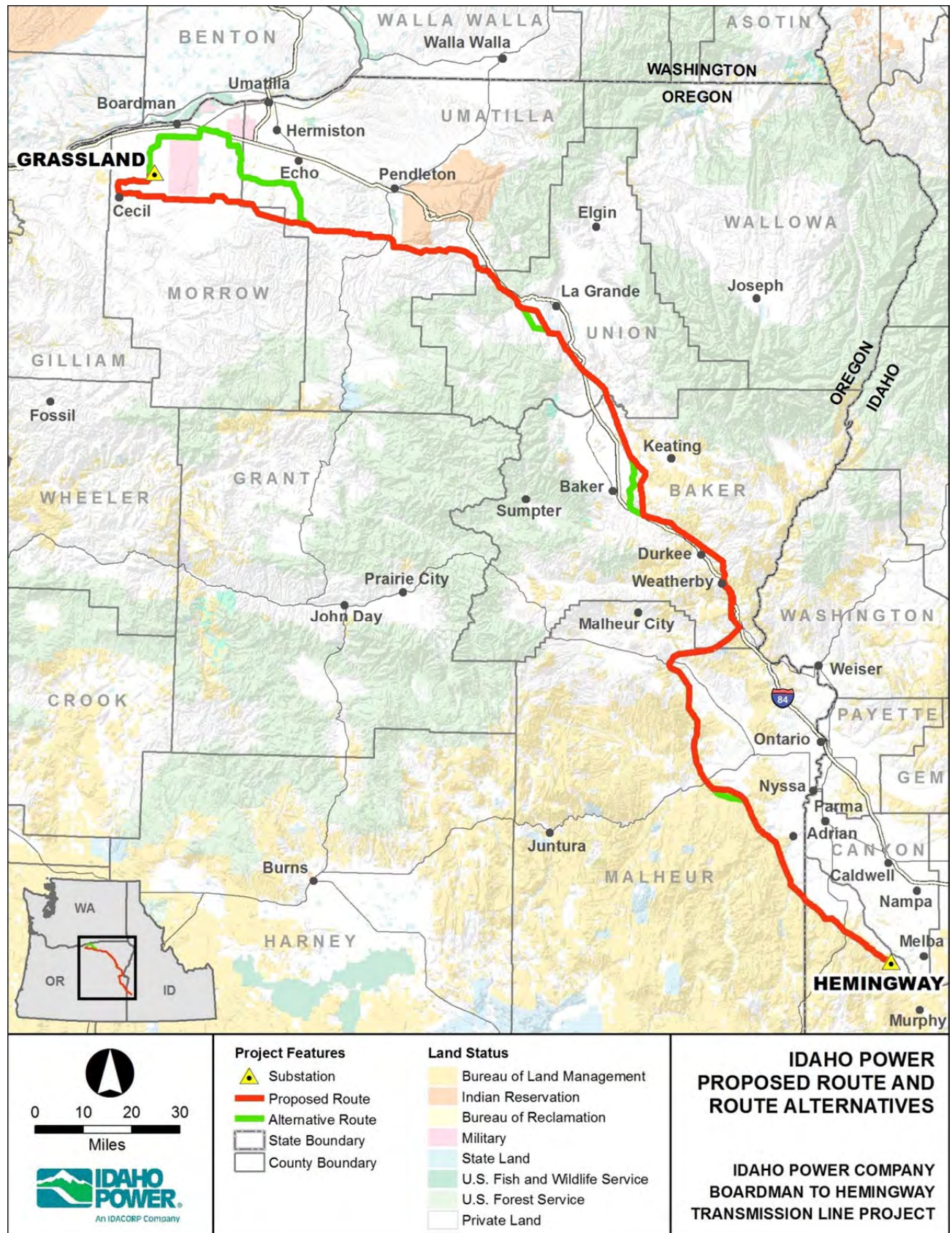


Figure 1. Idaho Power Proposed Route and Route Alternatives

The majority of the remaining habitats crossed by the Project are open grasslands, shrublands, and agricultural lands. These habitats were surveyed out to 1.0 mile to correspond with the spatial buffer recommendation for the ferruginous hawk.

The recommended spatial buffer for golden eagle is 0.5 mile. However, in an effort to collect additional data on golden eagles, the survey area was expanded out to 2 miles in areas of suitable habitat. This is a proactive survey approach by Idaho Power in response to the increasing concern over golden eagle populations range-wide and in the absence of specific management guidelines. Potential nesting habitat for golden eagles was identified by selecting for areas with steep slopes where cliffs and rocky outcrops are likely to occur. This was done by processing a digital elevation model in a geographic information system to select for areas with a 100 percent slope (45 degree angle) or greater. These survey areas are defined in the 2011 Biological Survey Work Plan (Tetra Tech 2011a) and were reviewed by state and federal biologists prior to initiating the 2011 survey effort.

**Table 1. Recommended Raptor Spatial Buffers (Whittington and Allen 2008)**

Species		Spatial Buffer in Non-urban Areas (miles)
Osprey	<i>Pandion haliaetus</i>	0.25
Bald eagle <sup>1/</sup>	<i>Haliaeetus leucocephalus</i>	0.5 – 1.0
Northern harrier	<i>Circus cyaneus</i>	0.25
Sharp-shinned hawk	<i>Accipiter striatus</i>	0.25
Cooper's hawk	<i>Accipiter cooperii</i>	0.25
Northern goshawk	<i>Accipiter gentilis</i>	0.5
Swainson's hawk	<i>Buteo swainsoni</i>	0.25
Red-tailed hawk	<i>Buteo jamaicensis</i>	0.33
Ferruginous hawk	<i>Buteo regalis</i>	1.0
Golden eagle	<i>Aquila chrysaetos</i>	0.5
American kestrel	<i>Falco femoralis</i>	0.25
Peregrine falcon	<i>Falco peregrinus</i>	1.0
Prairie falcon	<i>Falco mexicanus</i>	0.5
Barn owl	<i>Tyto alba</i>	0.125
Flammulated owl	<i>Otus flammeolus</i>	0.25
Western screech owl	<i>Megascops kennicottii</i>	0.125
Great horned owl	<i>Bubo virginianus</i>	0.125
Northern pygmy owl	<i>Glaucidium gnoma</i>	0.25
Burrowing owl	<i>Athene cunicularia</i>	0.25
Great gray owl	<i>Strix nebulosa</i>	0.25
Long-eared owl	<i>Asio otus</i>	0.125
Short-eared owl	<i>Asio flammeus</i>	0.25
Boreal owl	<i>Aegolius funereus</i>	0.125
Northern saw-whet owl	<i>Aegolius acadicus</i>	0.125

1/ Avoidance of 0.5 mile if topographic or vegetative buffers exist, to 1 mile if nest is in line-of-sight of activity.

### 3.0 METHODS

Survey methods utilized for the raptor aerial survey are included in the 2011 Biological Survey Work Plan (Tetra Tech 2011a). In general, the survey areas were flown by helicopter carrying two observers and the pilot. The helicopter flew at a distance of approximately 0.25 mile from the 500-foot-wide Study Area to allow observers to see out to the 0.5-mile buffer distance and back to the corridor. Another transect was flown at 0.75 mile from the corridor to allow observers

to see out to the 1.0-mile buffer distance and back to the 0.5-mile buffer distance. This is a transect spacing of 0.5 mile. Figure 2 shows an example of the flight path followed within the survey area. When golden eagle habitat occurred within the survey area, an intuitive search method was used to focus on cliff, canyon, and rock outcrops out to 2 miles. Both sides of the corridor were surveyed in this manner. Due to the low visibility within forested habitats, transects were flown at closer intervals (typically 0.25-mile transect spacing) within these areas.

Surveys were performed twice during the breeding season. The first survey occurred between March 22 and April 1, 2011. This timeframe corresponded with late courtship and incubation or hatchling/nestling stages of most raptors expected within the Project area. Due to weather and scheduling conflicts, the first survey was not completed in this time and had to be finished on April 16 and 17, 2011. The first survey period for raptors was flown concurrently with the 2011 greater sage-grouse lek aerial survey within the sage-grouse survey area (Tetra Tech 2011b). The second survey took place from June 6 to June 12, 2011. This timeframe corresponded with the late nesting and early fledgling period for many raptors. It also allowed the survey crew to identify nests of later breeding species such as Swainson's hawks or any second nesting attempts of earlier nesting raptors. Surveys were conducted between sunrise and sunset.

In addition to aerial nest surveys, several ground survey efforts recorded raptor activity as well. The terrestrial visual encounter survey crew walked the entire route and alternatives which consisted of a 500-foot wide Study Area (when accessible) and noted several raptor nests within the survey area (Tetra Tech 2011c). Separate ground-based surveys were also completed for the northern goshawk (Tetra Tech 2011d) and great gray owl (Tetra Tech 2011e) along the Proposed Route and route alternatives within forested habitats. Raptor observations from all other survey efforts associated with the Project in 2011 are included in this report.

The aerial survey crew used both handwritten notes and Global Positioning System (GPS) technology for data collection activities. A Trimble GeoXT resource-grade receiver loaded with Terrasync software was used to navigate within the buffers defined for the survey areas. Transect spacing was monitored by the helicopter pilot using the onboard AvMap EKP IV aeronautical GPS unit. Raptor observations were marked using Garmin hand-held GPS units. Corresponding notes were taken and transferred to a Microsoft Excel database (Appendix A) that holds all of the survey results. Pictures were taken when possible to document nests and aid in species identification and are contained in the Project file.



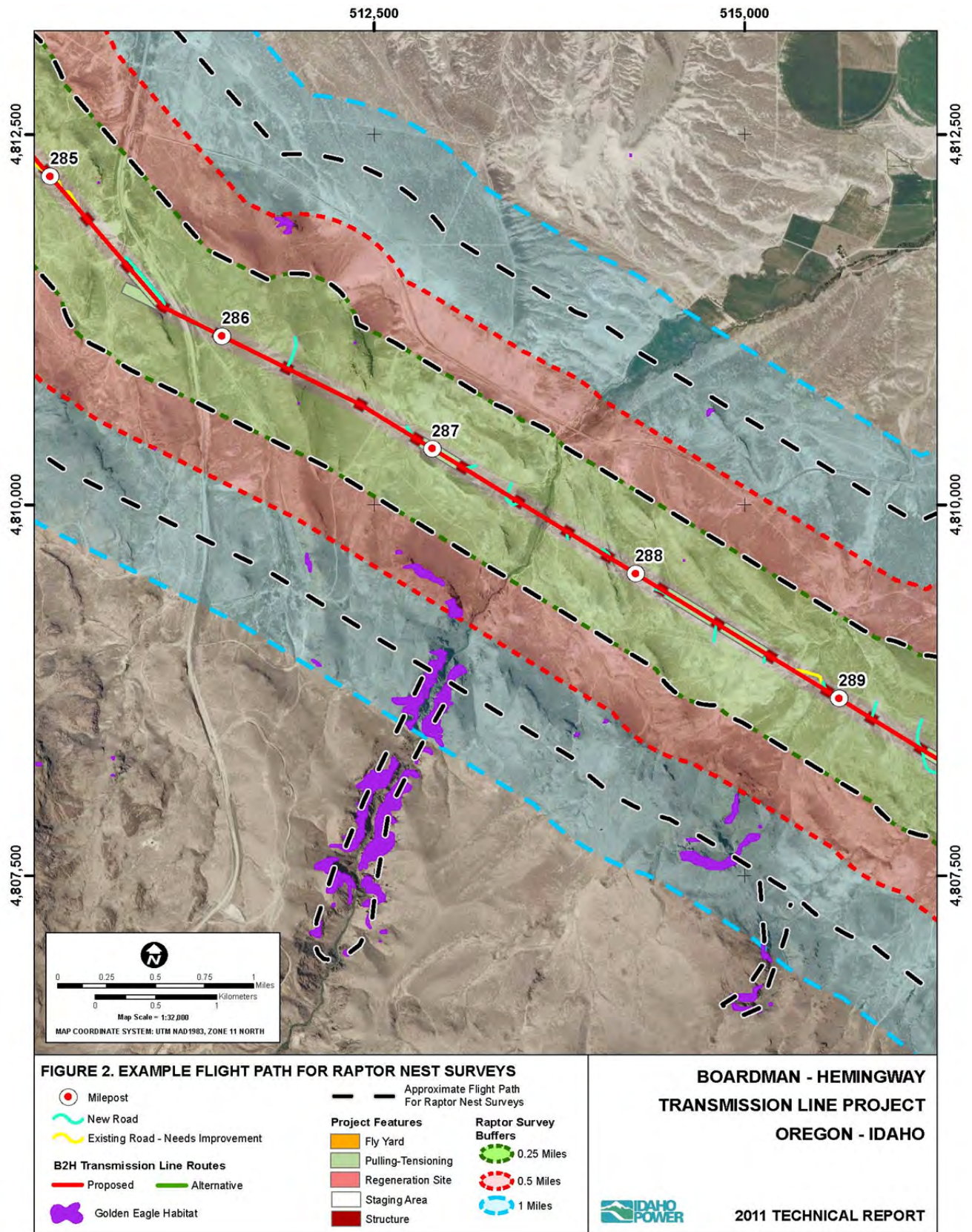


Figure 2. Example Flight Path for Raptor Nest Surveys

To avoid over-stressing adult raptors or exposing young raptors to harsh elements, surveys did not occur during inclement weather or when air temperatures were too high. In addition, a minimum distance of approximately 50 feet was maintained from active nests and observation time was typically less than 10 seconds and rarely exceeded 20 seconds. As a result of trying to avoid disturbance to raptors and maintain survey crew safety, GPS locations of the nest sites could be up to 50 to 200 feet in error from the actual nest location. Even with some offset in the accuracy of nest locations recorded, Tetra Tech is confident that the data collected and provided in this report will be sufficient for future nest identification, Project planning, and application of appropriate mitigation measures, where warranted.

Raptor nest searches were performed using a Bell 206 Jet Ranger operated by JL Aviation of Boring, Oregon. JL Aviation has over 10 years of experience flying multiple wildlife surveys for the Oregon Department of Fish and Wildlife, as well as raptor nest-specific survey experience. Lead observers were Mike Schlegel, a retired regional wildlife biologist with the Idaho Department of Fish and Game; and Steve Negri, a senior wildlife biologist with Tetra Tech. Mr. Schlegel has over 4,000 hours of helicopter wildlife survey time between the states of Idaho and Oregon, including raptor nest specific survey experience. Mr. Negri has been a wildlife biologist for the past 17 years. His experience includes 5 years of conducting aerial surveys for bald and golden eagles, other raptors, and big game, including approximately 600 hours of helicopter/fixed-wing survey time, and he has conducted numerous raptor surveys for federal and state governments throughout the Pacific Northwest and Alaska. Matt Cambier with URS Corporation of Boise, Idaho, coordinated survey efforts and acted as a secondary observer as a subcontractor to Tetra Tech. Mr. Cambier has helicopter experience associated with sage-grouse and bighorn sheep surveys as well as work experience with The Peregrine Fund and Idaho Department of Fish and Game that required proficiency in raptor identification.

## 4.0 RESULTS

The 2011 raptor nest survey occurred over 20 days between March 22 and June 12, 2011. A total 110 hours of survey time was completed resulting in over 1,200 records of raptor activity or nest sites (Appendix A). A record was taken when one of the three following observation types occurred:

1. Observation—A raptor(s) was observed but could not be associated with any type of nest structure. An observation typically occurred when a raptor was soaring or foraging or when a raptor was flushed from a perch or roost site.
2. Active Nest—A raptor(s) was observed and is associated with a nest site. Active nests were identified by a raptor sitting/incubating on the nest, eggs on the nest, or a hatchling/nestling on the nest or a fledgling nearby the nest. Other indicators of an active nest could include fresh prey remains or new nest substrate.
3. Inactive Nest—A nest where no recent raptor activity could be associated with it.

A total of 479 observations of raptors not associated with a nest site were recorded during the survey effort. These observations, especially observations in the same location on different surveys (n=8), may warrant further investigation in future survey work or pre-construction surveys associated with this Project. Table 2 identifies the number of observations of each species seen during the survey, as well as the total number of individual birds counted among those observations. Note that these observations do not include those associated with active nest sites and there is potential for counting an individual more than once.

**Table 2. Raptor Observations Not Associated With a Nest Site**

Species	Number of Observations	Total Number of Individuals
American kestrel	29	29
Bald eagle	5	5
Barn owl	34	61
Burrowing owl	6	7
Cooper's hawk	3	3
Ferruginous hawk	10	13
Golden eagle	47	57
Great horned owl	24	40
Long-eared owl	1	4
Northern harrier	62	68
Osprey	1	1
Prairie falcon	15	21
Red-tailed hawk	139	172
Rough-legged hawk	36	41
Sharp-shinned hawk	1	1
Short-eared owl	28	47
Swainson's hawk	29	64
Unknown (owl, falcon, or accipiter)	9	10
<b>Total Observations and Individuals</b>	<b>479</b>	<b>644</b>

A total of 245 active nests were identified during the survey. Nests were considered active if during one of the two survey efforts the criteria for active nests described above were met. Table 3 summarizes the total number of active nests by species as well as the number of inactive nests identified during the survey.

**Table 3. Total Active Raptor Nests by Species**

Species	Number of Nests
Barn owl	8
Burrowing owl	3
Ferruginous hawk	14
Golden eagle	27 <sup>1/</sup>
Great horned owl	7
Long-eared owl	2
Osprey	1
Prairie falcon	20
Red-tailed hawk	77
Short-eared owl	4
Swainson's hawk	19
Unknown raptor nests	5
Common raven	58
<b>Total Active Nests</b>	<b>245</b>
<b>Inactive Nests</b>	<b>358</b>

1/ One of the golden eagle nests was identified outside of 2 miles and is not addressed further in the report, but is included in the database (Appendix A) and displayed in the mapbook (Appendix B).



Understanding the spatial relationship between the active raptor nests summarized in Table 3 and Project features is an objective of the survey. Identifying which nests are within the recommended spatial buffers for each raptor species (Table 1) provides information to assist Idaho Power in routing considerations and construction scheduling and provides decision makers with information on the potential impacts to raptors to assist in permitting of the Project. Table 4 details the number of active raptor nests by species by their distance to Project features. The highlighted cells indicate the nests whose distance to Project features is within the USFWS recommended spatial buffers for each species.

**Table 4. Distance from Active Raptor Nests to Project Features**

Species	Distance to Project Features					
	ROW <sup>1/</sup>	ROW - 0.25 mi	0.25 - 0.33 mi	0.33 - 0.5 mi	0.5 - 1.0 mi	1.0 - 2.0 mi
Barn owl <sup>2/</sup>	0	2	1	2	2	1
Burrowing owl	1	2	0	0	0	0
Ferruginous hawk	1	3	0	0	6	4
Golden eagle	1	3	1	5	7	9
Great horned owl <sup>2/</sup>	1	2	1	2	0	1
Long-eared owl <sup>2/</sup>	0	1	0	0	1	0
Osprey	0	1	0	0	0	0
Prairie falcon	1	4	0	3	7	5
Red-tailed hawk	1	26	5	10	24	11
Short-eared owl	1	3	0	0	0	0
Swainson's hawk	2	2	0	3	10	2
Unknown <sup>3/</sup>	0	0	0	1	2	0
Common raven <sup>3/</sup>	3	17	3	4	26	5

1/ The right-of-way (ROW) includes the 500-foot-wide Study Area, a 50-foot buffer of roads that will require improvements, a 100-foot buffer of proposed new roads, and the footprint of other Project features such as laydown yards.

2/ The USFWS recommended spatial buffer for nests of these species is 0.125 mile. This distance is not analyzed here and can be considered on a case-by-case basis for planning purposes.

3/ USFWS does not have recommended spatial buffers for nests of these species.

Further details regarding the active raptor nests whose distance to Project features is within the USFWS recommended spatial buffers is given in Table 5. Table 5 provides the nearest Project milepost to each of the nests highlighted in orange in Table 4. Refer to the mapbook in Appendix B to see all active nests along the Project. Each of the active nests in the mapbook has a label that corresponds to the Obs\_ID field in the database provided in Appendix A. A nest received a single Obs\_ID, but may have multiple entries corresponding to multiple visits to the nest. Therefore, a single Obs\_ID could potentially refer to a nest that was inactive during one survey and active during the other survey. In the mapbook (Appendix B) this would be represented by an inactive nest symbol under a species-specific nest symbol with the two sharing a common Obs\_ID label. In rare instances, a nest could be utilized by multiple species such as a nest occupied by a red-tailed hawk during the first survey being occupied by a common raven in the second survey. Refer to both these appendices for more details regarding each observation and nest recorded during the 2011 raptor nest aerial survey.

**Table 5. Nearest Project Milepost to Active Raptor Nests within USFWS Recommended Spatial Buffers**

<b>Species</b>	<b>Project Mileposts<sup>1/</sup></b>
<b>Burrowing owl</b>	
ROW	51 (Bombing Range North)
ROW - 0.25 mi	47, 69
<b>Ferruginous hawk</b>	
ROW	8
ROW - 0.25 mi	52, 67, 139
0.25 - 0.33 mi	None
0.33 - 0.5 mi	None
0.5 - 1.0 mi	9, 22, 69, 151, 152, 254
<b>Golden eagle</b>	
ROW	236
ROW - 0.25 mi	210, 233, 258
0.25 - 0.33 mi	5 (Double Circuit 138-69kV)
0.33 - 0.5 mi	144, 155, 240, 280, 293
0.5 - 1.0 mi	131, 201, 215, 271, 276, 289, 294
1.0 - 2.0 mi	4 (Owyhee River), 50, 182, 194, 210, 239, 258, 260, 285
<b>Great horned owl</b>	
ROW <sup>1</sup>	8
<b>Osprey</b>	
ROW	None
ROW - 0.25 mi	113
<b>Prairie falcon</b>	
ROW	236
ROW - 0.25 mi	52, 200, 211, 294
0.25 - 0.33 mi	None
0.33 - 0.5 mi	238, 281, 292
<b>Red-tailed hawk</b>	
ROW	181
ROW - 0.25 mi	2, 4 (Double Circuit 138-69kV), 4 (Double Circuit 138-69kV), 18 (Bombing Range North), 38, 58, 73, 75, 79, 100, 164, 168, 169, 170, 174, 176, 179, 183, 193, 197, 198, 211, 231, 292, 295, 295
0.25 - 0.33 mi	1, 5 (Flagstaff), 9, 10, 20 (Bombing Range North)
<b>Short-eared owl</b>	
ROW	58
ROW - 0.25 mi	5 (Double Circuit 138-69kV), 14, 68
<b>Swainson's hawk</b>	
ROW	22, 64
ROW - 0.25 mi	23, 67

<sup>1/</sup> All mileposts refer to the Proposed Route unless otherwise noted in parenthesis.

## 5.0 CONCLUSIONS

Aerial surveys for raptor nests were conducted between March 22 and June 12, 2011, along the entire length of the Project. The goal of these surveys were to identify all active raptor nests within the survey area, in particular those active nests whose distance to Project features is within the USFWS recommended spatial buffers.

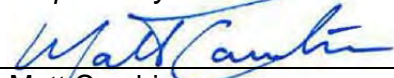
Based on the findings of the 2011 raptor survey, a large number of raptor species forage and breed in and near the Project area. The most common species of raptor observed included red-tailed hawks, barn owls, northern harriers, and golden eagles. Rough-legged hawks were also common during the first survey period as winter residents in the area before migrating north to breeding grounds. Red-tailed hawks, golden eagles, and prairie falcons were the species with the most active nests identified in the survey area. Swainson's hawks and ferruginous hawks were less abundant with fewer active nests. Short-eared owls and burrowing owls were the least abundant species; however, given the fact that they are ground-nesting species, the likelihood of identifying them during aerial surveys is low. A single osprey nest was identified and five bald eagle observations occurred during the survey. The lack of large water bodies within the survey area explains the low occurrence of osprey and bald eagles. Common raven nests were also abundant throughout the survey area.

Excluding common ravens (Table 3; n=58), there were 187 active raptor nests within the survey area. Of those nests, 76 are at a distance to Project features that is within the recommended spatial buffers identified by the USFWS for their respective species.

Of specific interest is the number of active golden eagle nests adjacent to the Project. A total of 10 active golden eagle nests were recorded within 0.5 mile of Project features and an additional 16 active golden eagle nests occur from 0.5 to 2.0 miles of Project features. One nest was identified at a distance beyond 2.0 miles of Project features. Of the 26 active nests within 2.0 miles of Project features, 5 occur within 1.2 miles (2 kilometers [km]) of a known historical nest site according to data provided to Idaho Power by the agencies. The distance of 1.2 miles corresponds to the distance used during research performed in Wyoming (Phillips et al. 1984) to distinguish when groups of nests would be considered separate territories. This distance closely corresponds to that identified in a study performed along the Snake River by Beecham and Kochert (1975), which noted a minimum distance of 1.2 miles (1.9 km) and 0.5 mile (0.8 km) between active nests. A study in Montana found a minimum distance of 1 mile (1.6 km) between active nests (McGahan 1968). Surveys performed for the Project have recorded a minimum distance between active nests of 1.4 miles (2.3 km). Using the 1.2-mile distance, as a minimum, identifies 21 of the 26 active golden eagle nests recorded in 2011 as being previously unknown or at least previously undocumented in the datasets provided to Idaho Power by the agencies.

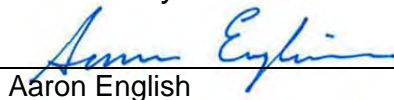
During the surveys, many active nests had young birds associated with them. Nest success and productivity were not a focus of this study, and this study was not developed to accurately estimate reproductive rates within the survey area. While data were collected on the number of young birds in a nest (Appendix A), it was not analyzed. Based on the large area that this Project covers, there are several different raptor species with different reproductive phenology within the survey area. In addition, reproductive phenology varies within species across the approximately 300-mile Project as influenced by the variations in local ecosystems. Two survey periods are not sufficient to gather the information needed to assess nest success and productivity. However, two survey periods are adequate to document the number of active nests adjacent to the Project and to provide a good baseline for addressing potential impacts to the species.

Prepared by:



Matt Cambier  
Wildlife Biologist, URS Corporation

Reviewed by:



Aaron English  
Supervising Scientist, Tetra Tech

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**APPENDIX A**  
**2011 RAPTOR NEST AERIAL SURVEY DATABASE**

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
1	3/22/2011	MOB_1	447	Unkn	UNKN	0	Yes	Inactive	NA	11T	456583	4893921	None	nest empty - in cottonwood tree	URS_2011_Surveys
1	6/8/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	4	Yes	Active	4	11T	456583	4893921	06082011_RTHA_Obs1.jpg	4 young in nest	URS_2011_Surveys
2	3/22/2011	MOB_1	449	Unkn	UNKN	0	Yes	Inactive	NA	11T	457945	4895620	03222011_UNKN_Obs2.jpg	nest in old windmill	URS_2011_Surveys
2	6/8/2011	MOB_2	MOB_1	Common Raven	CORA	1	Yes	Active	0	11T	457945	4895620	None	Nest on windmill	URS_2011_Surveys
3	3/22/2011	MOB_1	450	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	458721	4892408	03222011_RLHA_Obs3.jpg	in flight	URS_2011_Surveys
4	3/22/2011	MOB_1	451	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	459100	4889486	03222011_RLHA_Obs4.jpg	in flight	URS_2011_Surveys
5	3/22/2011	MOB_1	453	Northern Harrier	NOHA	1	No	NA	NA	11T	459358	4890520	03222011_NOHA_Obs5.jpg	male in flight	URS_2011_Surveys
6	3/22/2011	MOB_1	454	Northern Harrier	NOHA	1	No	NA	NA	11T	459069	4892004	None	in flight	URS_2011_Surveys
7	3/22/2011	MOB_1	455	Unkn	UNKN	0	Yes	Inactive	NA	11T	459537	4888612	None	nest empty	URS_2011_Surveys
8	3/22/2011	MOB_1	457	Unkn	UNKN	0	Yes	Inactive	NA	11T	451824	4900155	03222011_UNKN_Obs8.jpg	nest empty - in cottonwood tree	URS_2011_Surveys
8	6/9/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	1	11T	451824	4900155	06092011_RTHA_Obs8.jpg	2 adult, 1 young, food item in nest is a snake	URS_2011_Surveys
9	3/22/2011	MOB_1	458	Prairie Falcon	PRFA	1	No	NA	NA	11T	454026	4902323	03222011_PRFA_Obs9.jpg	flushed off ground near cliff area	URS_2011_Surveys
10	3/22/2011	MOB_1	459	Northern Harrier	NOHA	2	No	NA	NA	11T	456604	4901683	None	male and female flushed	URS_2011_Surveys
11	3/22/2011	MOB_1	460	Unkn	UNKN	0	Yes	Active		11T	456515	4902466	03222011_UNKN_Obs11.jpg	nest on cliff 4 light brown eggs, likely prairie falcon	URS_2011_Surveys
11	6/9/2011	MOB_2	MOB_1	Prairie Falcon	PRFA	1	Yes	Active	0	11T	456515	4902466	06092011_PRFA_Obs11.jpg	Flushed adult, 3 eggs on nest	URS_2011_Surveys
12	3/22/2011	MOB_1	461	Unkn	UNKN	0	Yes	Inactive	NA	11T	456908	4901683	03222011_UNKN_Obs12.jpg	empty nest on cliff	URS_2011_Surveys
13	3/22/2011	MOB_1	462	Golden Eagle	GOEA	1	Yes	Active	NA	11T	456308	4904037	03222011_GOEA_Obs13.jpg	4 nests on cliff	URS_2011_Surveys
13	6/9/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	1	11T	456308	4904037	06092011_GOEA_Obs13.jpg	4 nest structures in the area, flushed adult from rock face, 1 young on nest	URS_2011_Surveys
14	3/22/2011	MOB_1	464	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	455177	4906388	03222011_GOEA_Obs14.jpg	nest on cliff	URS_2011_Surveys
14	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	455177	4906388	06092011_UNKN_Obs14.jpg		URS_2011_Surveys
15	3/22/2011	MOB_1	465	Golden Eagle	GOEA	1	No	NA	NA	11T	454750	4906164	None	flew from cliff	URS_2011_Surveys
16	3/22/2011	MOB_1	466	Golden Eagle	GOEA	1	Yes	Active		11T	455034	4905979	03222011_GOEA_Obs16.jpg	3 nest structures, bird on nest with chukar kill	URS_2011_Surveys
16	6/9/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	1	11T	455034	4905979	06092011_GOEA_Obs16.jpg	3 nest structures in the area	URS_2011_Surveys
17	3/22/2011	MOB_1	467	Golden Eagle	GOEA	1	No	NA	NA	11T	457342	4902471	03222011_GOEA_Obs17.jpg	eagle chasing chukar	URS_2011_Surveys
18	3/22/2011	MOB_1	468	Golden Eagle	GOEA	1	No	NA	NA	11T	460831	4904280	03222011_GOEA_Obs18.jpg	in flight near cliffs	URS_2011_Surveys
18	6/9/2011	MOB_2	MOB_1	Common Raven	CORA	3	Yes	Active	3	11T	460831	4904280	06092011_CORA_Obs18.jpg		URS_2011_Surveys
19	3/22/2011	MOB_1	469	Golden Eagle	GOEA	1	No	NA	NA	11T	461561	4905503	03222011_GOEA_Obs19.jpg	in flight near cliffs	URS_2011_Surveys
20	3/22/2011	MOB_1	470	Unkn	UNKN	0	Yes	Inactive	NA	11T	468021	4906080	03222011_UNKN_Obs20.jpg	nest in aspen-creek bottom	URS_2011_Surveys
20	6/9/2011	MOB_2	MOB_1	Great Horned Owl	GHOW	2	Yes	Inactive	NA	11T	468021	4906080	06092011_GHOW_Obs20.jpg	Flushed 2 GHOW from tree with nest in it	URS_2011_Surveys
21	3/22/2011	MOB_1	472	Golden Eagle	GOEA	2	Yes	Active		11T	470045	4905179	03222011_GOEA_Obs21.jpg	bird on nest	URS_2011_Surveys
21	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	470045	4905179	06092011_UNKN_Obs21.jpg	2 inactive nests	URS_2011_Surveys
22	3/23/2011	MOB_1	474	Short-eared Owl	SEOW	1	No	NA	NA	11T	465021	4884601	None	in flight-black primary tips	URS_2011_Surveys
23	3/23/2011	MOB_1	476	Golden Eagle	GOEA	1	No	NA	NA	11T	457408	4879806	03232011_GOEA_Obs23.jpg	in flight	URS_2011_Surveys
24	3/23/2011	MOB_1	477	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	463575	4882161	03232011_RLHA_Obs24.jpg	in flight	URS_2011_Surveys
25	3/23/2011	MOB_1	478	Common Raven	CORA	2	Yes	Active		11T	462722	4882863	03232011_CORA_Obs25.jpg	1 bird on nest, 1 flying	URS_2011_Surveys
25	6/8/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	462722	4882863	06082011_UNKN_Obs25.jpg	5 raven in tree	URS_2011_Surveys
26	3/23/2011	MOB_1	479	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	461781	4884186	03232011_RLHA_Obs26.jpg	in flight	URS_2011_Surveys
27	3/23/2011	MOB_1	480	Short-eared Owl	SEOW	5	No	NA	NA	11T	462514	4880688	03232011_SEOW_Obs27.jpg	in flight near eroded gully	URS_2011_Surveys
28	3/23/2011	MOB_1	481	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	460696	4881288	03232011_RLHA_Obs28.jpg	in flight	URS_2011_Surveys
29	3/23/2011	MOB_1	482	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	460409	4882997	03232011_RLHA_Obs29.jpg	in flight	URS_2011_Surveys
30	3/23/2011	MOB_1	483	Red-tailed Hawk	RTHA	2	Yes	Active		11T	459743	4880778	03232011_RTHA_Obs30.jpg	1 bird on nest, 1 flying	URS_2011_Surveys
30	6/8/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	5	Yes	Active	4	11T	459743	4880778	06082011_RTHA_Obs30.jpg	Adult RTHA chasing GHOW in area	URS_2011_Surveys
31	3/23/2011	MOB_1	485	Golden Eagle	GOEA	1	Yes	Active		11T	457900	4875999	03232011_GOEA_Obs31.jpg	4 nests-bird sitting on 1 nest	URS_2011_Surveys
31	6/8/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Active	0	11T	457900	4875999	06082011_UNKN_Obs31.jpg	1 egg on nest, no adults seen, failed nest?	URS_2011_Surveys
32	3/23/2011	MOB_1	486	Prairie Falcon	PRFA	2	Yes	Active		11T	461801	4872592	03232011_PRFA_Obs32.jpg	1 bird on nest, 1 flying, 4 eggs in nest, 1 egg on cliff edge below nest	URS_2011_Surveys
32	6/8/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	461801	4872592	06082011_UNKN_Obs32.jpg	nest/scrape appears to have been used this year	URS_2011_Surveys
33	3/22/2011	MOB_1	488	Golden Eagle	GOEA	1	No	NA	NA	11T	460897	4872521	None	1 bird flying	URS_2011_Surveys
33	3/23/2011	MOB_1	488	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	460897	4872521	03232011_GOEA_Obs33.jpg	3 nests	URS_2011_Surveys
33	6/8/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	460897	4872521	06082011_UNKN_Obs33.jpg		URS_2011_Surveys
34	3/23/2011	MOB_1	489	Golden Eagle	GOEA	1	Yes	Active		11T	460523	4872223	03232011_GOEA_Obs34.jpg	1 bird sitting on nest	URS_2011_Surveys
34	6/8/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	2	11T	460523	4872223	06082011_GOEA_Obs34.jpg	2 young on nest	URS_2011_Surveys
35	3/24/2011	MOB_1	490	Short-eared Owl	SEOW	1	No	NA	NA	11T	479835	4850519	None	harrier and owl in flight	URS_2011_Surveys
35	6/7/2011	MOB_2	MOB_1	American Kestrel	AMKE	1	No	NA	NA	11T	479835	4850519	None	Flushed from area where MOB1 SEOW was flushed	URS_2011_Surveys
36	3/24/2011	MOB_1	491	Great Horned Owl	GHOW	1	No	NA	NA	11T	481527	4846271	03242011_GHOW_Obs36.jpg	in flight	URS_2011_Surveys
37	3/24/2011	MOB_1	492	Common Raven	CORA	1	Yes	Active		11T	485779	4845717	03242011_CORA_Obs37.jpg	bird on nest	URS_2011_Surveys
37	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	485779	4845717	06072011_UNKN_Obs37.jpg		URS_2011_Surveys
38	3/24/2011	MOB_1	493	Barn Owl	BAOW	1	No	NA	NA	11T	486159	4846164	03242011_BAOW_Obs38.jpg	flew from cliff	URS_2011_Surveys
39	3/24/2011	MOB_1	494	Unkn	UNKN	0	Yes	Inactive	NA	11T	486477	4846286	03242011_UNKN_Obs39.jpg	red tailed hawk in area	URS_2011_Surveys
39	6/7/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	3	11T	486477	4846286	06072011_RTHA_Obs39.jpg	At least 3 young in nest	URS_2011_Surveys
41	3/24/2011	MOB_1	496	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	485214	4845621	03242011_GOEA_Obs41.jpg	2 nest structures	URS_2011_Surveys
42	3/24/2011	MOB_1	497	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	483846	4844868	03242011_GOEA_Obs42.jpg	nest on cliff	URS_2011_Surveys
42	6/7/2011	MOB_2	MOB_1	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	483846	4844868	06072011_GOEA_Obs42.jpg		URS_2011_Surveys
43	3/24/2011	MOB_1	498	Golden Eagle	GOEA	1	No	NA	NA	11T	481753	4842362	None	bird in flight	URS_2011_Surveys
44	3/24/2011	MOB_1	499	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	491421	4833526	None	bird in flight	URS_2011_Surveys
45	3/24/2011	MOB_1	500	Unkn	UNKN	0	Yes	Inactive	NA	11T	492460	4833016	None	red tailed hawk in area	URS_2011_Surveys
45	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	492460	4833016	None		URS_2011_Surveys
46	3/24/2011	MOB_1	501	Cooper's Hawk	COHA	1	No	NA	NA	11T	493139	4832845	None	bird in flight-dark banded tail	URS_2011_Surveys
47	3/24/2011	MOB_1	502	Unkn	UNKN	0	Yes	Inactive	NA	11T	492707	4831583	03242011_UNKN_Obs47.jpg	nest in tree	URS_2011_Surveys
47	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	492707	4831583	06072011_UNKN_Obs47.jpg	Nest in Russian olive	URS_2011_Surveys
48	3/24/2011	MOB_1	503	Unkn	UNKN	0	Yes	Inactive	NA	11T	493089	4831356	03242011_UNKN_Obs48.jpg	nest in tree	URS_2011_Surveys
48	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	493089	4831356	06072011_UNKN_Obs48.jpg		URS_2011_Surveys
49	3/24/2011	MOB_1	504	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	489988	4829677	None	bird in flight	URS_2011_Surveys
50	3/24/2011	MOB_1	505	Unkn	UNKN	0	Yes	Inactive	NA	11T	493211	4825149	03242011_UNKN_Obs50.jpg	nest in tree	URS_2011_Surveys
51	3/24/2011	MOB_1	506	Unkn	UNKN	0	Yes	Inactive	NA	11T	493317	4825426	03242011_UNKN_Obs51.jpg	nest in tree	URS_2011_Surveys
51	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	493317	4825426	None		URS_2011_Surveys
52	3/24/2011	MOB_1	507	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	494771	4826379	None	bird in flight	URS_2011_Surveys

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
53	3/24/2011	MOB_1	508	Unkn	UNKN	0	Yes	Inactive	NA	11T	494815	4826601	03242011_UNKN_Obs53.jpg	nest in tree	URS_2011_Surveys
54	3/24/2011	MOB_1	511	Unkn	UNKN	0	Yes	Inactive	NA	11T	493560	4825370	03242011_UNKN_Obs54.jpg	nest on cliff-S side River	URS_2011_Surveys
54	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	493560	4825370	None		URS_2011_Surveys
55	3/24/2011	MOB_1	512	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	493379	4825466	03242011_GOEA_Obs55.jpg	nest on cliff-N side River	URS_2011_Surveys
55	6/7/2011	MOB_2	MOB_1	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	493379	4825466	06072011_GOEA_Obs55.jpg		URS_2011_Surveys
56	3/24/2011	MOB_1	513	Golden Eagle	GOEA	1	Yes	Active		11T	493279	4825237	03242011_GOEA_Obs56.jpg	GE in nest-S side River	URS_2011_Surveys
56	6/7/2011	MOB_2	MOB_1	Golden Eagle	GOEA	1	Yes	Active	1	11T	493279	4825237	06072011_GOEA_Obs56.jpg		URS_2011_Surveys
57	3/24/2011	MOB_1	514	Unkn	UNKN	0	Yes	Inactive	NA	11T	493218	4824590	03242011_UNKN_Obs57.jpg	nest on cliff-S side River	URS_2011_Surveys
57	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	493218	4824590	06072011_UNKN_Obs57.jpg		URS_2011_Surveys
58	3/24/2011	MOB_1	515	Unkn	UNKN	0	Yes	Inactive	NA	11T	492823	4823343	03242011_UNKN_Obs58.jpg	nest on cliff-S side River	URS_2011_Surveys
59	3/24/2011	MOB_1	516	Golden Eagle	GOEA	1	No	NA	NA	11T	492718	4824596	None	flew from cliff	URS_2011_Surveys
60	3/24/2011	MOB_1	517	Unkn	UNKN	0	Yes	Inactive	NA	11T	489062	4834935	03242011_UNKN_Obs60.jpg	nests on cliff	URS_2011_Surveys
60	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	489062	4834935	06072011_UNKN_Obs60.jpg		URS_2011_Surveys
61	3/24/2011	MOB_1	518	Unkn	UNKN	0	Yes	Inactive	NA	11T	489320	4834413	03242011_UNKN_Obs61.jpg	large nest	URS_2011_Surveys
61	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	489320	4834413	06072011_UNKN_Obs61.jpg	large stick nest on hillside, accessible on ground	URS_2011_Surveys
62	3/24/2011	MOB_1	519	Prairie Falcon	PRFA	2	No	NA	NA	11T	487801	4839360	None	birds in flight	URS_2011_Surveys
63	3/24/2011	MOB_1	520	Unkn	UNKN	0	Yes	Inactive	NA	11T	487771	4839286	03242011_UNKN_Obs63.jpg	nest on cliff	URS_2011_Surveys
64	3/24/2011	MOB_1	521	Unkn	UNKN	0	Yes	Inactive	NA	11T	485895	4840257	03242011_UNKN_Obs64.jpg	nest on cliff	URS_2011_Surveys
64	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	485895	4840257	06072011_UNKN_Obs64.jpg		URS_2011_Surveys
65	3/24/2011	MOB_1	522	Unkn	UNKN	0	Yes	Inactive	NA	11T	486000	4840251	03242011_UNKN_Obs65.jpg	nest on cliff	URS_2011_Surveys
65	6/7/2011	MOB_2	MOB_1	Prairie Falcon	PRFA	3	Yes	Active	3	11T	486000	4840251	06072011_PRFA_Obs65.jpg		URS_2011_Surveys
66	3/24/2011	MOB_1	523	Unkn	UNKN	0	Yes	Inactive	NA	11T	484491	4841135	03242011_UNKN_Obs66.jpg	nest on cliff	URS_2011_Surveys
66	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	484491	4841135	06072011_UNKN_Obs66.jpg		URS_2011_Surveys
67	3/24/2011	MOB_1	524	Unkn	UNKN	0	Yes	Inactive	NA	11T	484331	4841063	03242011_UNKN_Obs67.jpg	nest on cliff	URS_2011_Surveys
67	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	484331	4841063	06072011_UNKN_Obs67.jpg		URS_2011_Surveys
68	3/24/2011	MOB_1	525	Golden Eagle	GOEA	1	Yes	Active		11T	484145	4840250	03242011_GOEA_Obs68.jpg	bird on nest	URS_2011_Surveys
68	6/7/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	1	11T	484145	4840250	06072011_GOEA_Obs68.jpg	1 adult on nest with 1 young	URS_2011_Surveys
69	3/24/2011	MOB_1	526	Unkn	UNKN	0	Yes	Inactive	NA	11T	483872	4840815	03242011_UNKN_Obs69.jpg	nest on cliff	URS_2011_Surveys
69	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	483872	4840815	06072011_UNKN_Obs69.jpg		URS_2011_Surveys
70	3/24/2011	MOB_1	527	Unkn	UNKN	0	Yes	Inactive	NA	11T	484206	4840128	03242011_UNKN_Obs70.jpg	nests on cliff	URS_2011_Surveys
70	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	484206	4840128	06072011_UNKN_Obs70.jpg		URS_2011_Surveys
71	3/24/2011	MOB_1	528	Unkn	UNKN	0	Yes	Inactive	NA	11T	484144	4840005	03242011_UNKN_Obs71.jpg	nest on cliff	URS_2011_Surveys
71	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	484144	4840005	06072011_UNKN_Obs71.jpg		URS_2011_Surveys
72	3/24/2011	MOB_1	529	Unkn	UNKN	0	Yes	Inactive	NA	11T	483931	4840889	03242011_UNKN_Obs72.jpg	nest on cliff	URS_2011_Surveys
72	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	483931	4840889	06072011_UNKN_Obs72.jpg		URS_2011_Surveys
73	3/24/2011	MOB_1	530	Red-tailed Hawk	RTHA	2	Yes	Active		11T	484402	4842112	03242011_RTHA_Obs73.jpg	bird on nest	URS_2011_Surveys
73	6/7/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	2	Yes	Active	1	11T	484402	4842112	06072011_RTHA_Obs73.jpg	1 adult flushed from nest, 1 young on nest	URS_2011_Surveys
74	3/24/2011	MOB_1	531	Red-tailed Hawk	RTHA	1	Yes	Active		11T	483842	4842199	03242011_RTHA_Obs74.jpg	bird on nest	URS_2011_Surveys
74	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	483842	4842199	06072011_UNKN_Obs74.jpg	Adult red-tail seen on nest during MOB1, no sign of nest success	URS_2011_Surveys
75	3/24/2011	MOB_1	533	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	484679	4842383	03242011_GOEA_Obs75.jpg	nest on cliff-N side River	URS_2011_Surveys
75	6/7/2011	MOB_2	MOB_1	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	484679	4842383	06072011_GOEA_Obs75.jpg		URS_2011_Surveys
76	3/24/2011	MOB_1	534	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	486814	4842897	None	birds in flight	URS_2011_Surveys
77	3/24/2011	MOB_1	535	Golden Eagle	GOEA	1	Yes	Active		11T	484089	4843448	03242011_GOEA_Obs77.jpg	bird on nest	URS_2011_Surveys
77	6/7/2011	MOB_2	MOB_1	Golden Eagle	GOEA	5	Yes	Active	3	11T	484089	4843448	06072011_GOEA_Obs77.jpg		URS_2011_Surveys
78	3/24/2011	MOB_1	536	Unkn	UNKN	0	Yes	Inactive	NA	11T	482478	4842361	03242011_UNKN_Obs78.jpg	nests on cliff	URS_2011_Surveys
78	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	482478	4842361	06072011_UNKN_Obs78.jpg		URS_2011_Surveys
79	3/24/2011	MOB_1	537	Unkn	UNKN	0	Yes	Inactive	NA	11T	482082	4842253	03242011_UNKN_Obs79.jpg	nest on cliff	URS_2011_Surveys
79	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	482082	4842253	06072011_UNKN_Obs79.jpg		URS_2011_Surveys
80	3/24/2011	MOB_1	538	Unkn	UNKN	0	Yes	Inactive	NA	11T	481976	4841848	03242011_UNKN_Obs80.jpg	large nest on cliff	URS_2011_Surveys
80	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	481976	4841848	06072011_UNKN_Obs80.jpg		URS_2011_Surveys
81	3/25/2011	MOB_1	539	Unkn	UNKN	0	Yes	Inactive	NA	11T	499331	4820149	03252011_UNKN_Obs81.jpg	nest on cliff-2 falcons flying in area	URS_2011_Surveys
81	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	499331	4820149	06072011_UNKN_Obs81.jpg	Two large nests inactive	URS_2011_Surveys
82	3/25/2011	MOB_1	540	Unkn	UNKN	0	Yes	Inactive	NA	11T	499157	4819801	03252011_UNKN_Obs82.jpg	nest on cliff	URS_2011_Surveys
82	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	499157	4819801	06072011_UNKN_Obs82.jpg		URS_2011_Surveys
83	3/25/2011	MOB_1	541	Golden Eagle	GOEA	2	Yes	Active		11T	498663	4819438	03252011_GOEA_Obs83.jpg	1 GE on nest, 1 flying, 2 falcons chasing	URS_2011_Surveys
83	6/7/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	2	11T	498663	4819438	06072011_GOEA_Obs83.jpg	2 young in nest	URS_2011_Surveys
84	3/25/2011	MOB_1	542	Unkn	UNKN	0	Yes	Inactive	NA	11T	498553	4819281	03252011_UNKN_Obs84.jpg	nest in rocks	URS_2011_Surveys
84	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	498553	4819281	06072011_UNKN_Obs84.jpg	Kestrel in area	URS_2011_Surveys
85	3/25/2011	MOB_1	543	Unkn	UNKN	0	Yes	Inactive	NA	11T	498910	4819301	03252011_UNKN_Obs85.jpg	falcon & barn owl flew from rocks	URS_2011_Surveys
85	6/7/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	498910	4819301	06072011_UNKN_Obs85.jpg		URS_2011_Surveys
86	3/25/2011	MOB_1	544	Unkn	UNKN	0	Yes	Inactive	NA	11T	498783	4821561	03252011_UNKN_Obs86.jpg	nest in rocks	URS_2011_Surveys
86	6/6/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	498783	4821561	None		URS_2011_Surveys
87	3/25/2011	MOB_1	546	Barn Owl	BAOW	3	No	NA	NA	11T	497643	4821510	None	3 birds flew from rocks	URS_2011_Surveys
87	6/6/2011	MOB_2	MOB_1	Barn Owl	BAOW	1	No	NA	NA	11T	497643	4821510	None		URS_2011_Surveys
88	3/25/2011	MOB_1	547	Golden Eagle	GOEA	3	No	NA	NA	11T	496713	4819094	None	GE in flight-2 falcons chasing	URS_2011_Surveys
89	3/25/2011	MOB_1	548	Golden Eagle	GOEA	1	No	NA	NA	11T	495117	4819970	None	bird in flight	URS_2011_Surveys
91	3/26/2011	MOB_1	550	Unkn	UNKN	0	Yes	Inactive	NA	11T	522456	4801310	03262011_UNKN_Obs91.jpg	falcon flew off rocks, 2 nests	URS_2011_Surveys
91	6/6/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	522456	4801310	06062011_UNKN_Obs91.jpg	inactive nest, flushed barn owl and kestrels in the area.	URS_2011_Surveys
92	3/26/2011	MOB_1	551	Unkn	UNKN	0	Yes	Inactive	NA	11T	522693	4801720	03262011_UNKN_Obs92.jpg	nest in rocks	URS_2011_Surveys
92	6/6/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	522693	4801720	None		URS_2011_Surveys
93	3/26/2011	MOB_1	552	Red-tailed Hawk	RTHA	1	Yes	Active		11T	522635	4803106	03262011_RTHA_Obs93.jpg	bird on nest	URS_2011_Surveys
94	3/26/2011	MOB_1	553	Prairie Falcon	PRFA	1	No	NA	NA	11T	522573	4803591	03262011_PRFA_Obs94.jpg	bird in flight	URS_2011_Surveys
94	6/6/2011	MOB_2	MOB_1	Prairie Falcon	PRFA	3	Yes	Active	3	11T	522573	4803591	06062011_PRFA_Obs94.jpg	3 young, 2 are outside of nest on ledge below	URS_2011_Surveys
95	3/26/2011	MOB_1	554	Barn Owl	BAOW	1	Yes	Active		11T	522792	4803354	03262011_BAOW_Obs95.jpg	nest w/ red string, small owl	URS_2011_Surveys
96	3/26/2011	MOB_1	555	Golden Eagle	GOEA	2	Yes	Active		11T	520299	4802916	03262011_GOEA_Obs96.jpg	saw bird land on nest	URS_2011_Surveys
96	6/6/2011	MOB_2	MOB_1	Golden Eagle	GOEA	1	Yes	Active	1	11T	520299	4802916	06062011_GOEA_Obs96.jpg	1 young on nest	URS_2011_Surveys

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
97	3/26/2011	MOB_1	556	Unkn	UNKN	0	Yes	Inactive	NA	11T	520176	4802828	03262011_UNKN_Obs97.jpg	large nest	URS_2011_Surveys
98	3/26/2011	MOB_1	557	Unkn	UNKN	0	Yes	Inactive	NA	11T	521123	4805179	03262011_UNKN_Obs98.jpg	nest in rocks	URS_2011_Surveys
99	3/26/2011	MOB_1	558	Unkn	UNKN	0	Yes	Inactive	NA	11T	521003	4804650	03262011_UNKN_Obs99.jpg	nest in rocks	URS_2011_Surveys
100	3/26/2011	MOB_1	559	Golden Eagle	GOEA	2	Yes	Active		11T	521419	4804963	03262011_GOEA_Obs100.jpg	2 nests, 1 bird in flight, 1 bird on nest	URS_2011_Surveys
100	6/6/2011	MOB_2	MOB_1	Golden Eagle	GOEA	1	Yes	Active	1	11T	521419	4804963	None		URS_2011_Surveys
101	3/26/2011	MOB_1	560	Common Raven	CORA	1	Yes	Active		11T	519086	4804713	03262011_CORA_Obs101.jpg	nest in rocks	URS_2011_Surveys
101	6/6/2011	MOB_2	MOB_1	Common Raven	CORA	0	Yes	Inactive	NA	11T	519086	4804713	None	2nd nest 50m south also inactive	URS_2011_Surveys
102	3/26/2011	MOB_1	561	Barn Owl	BAOW	1	Yes	Active	Unkn	11T	518345	4804542	03262011_BAOW_Obs102.jpg	owl in area of nest	URS_2011_Surveys
102	6/6/2011	MOB_2	MOB_1	Barn Owl	BAOW	2	No	NA	NA	11T	518345	4804542	None	Flushed	URS_2011_Surveys
103	3/26/2011	MOB_1	562	Unkn	UNKN	0	Yes	Inactive	NA	11T	518267	4804815	03262011_UNKN_Obs103.jpg	nest in rocks	URS_2011_Surveys
103	6/6/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	518267	4804815	None		URS_2011_Surveys
104	3/26/2011	MOB_1	564	Red-tailed Hawk	RTHA	1	Yes	Active		11T	518859	4807860	03262011_RTHA_Obs104.jpg	bird on nest	URS_2011_Surveys
104	6/6/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	1	Yes	Active	1	11T	518859	4807860	06062011_RTHA_Obs104.jpg	Fledgling RTHA in flight, nest empty, flushed barn owl	URS_2011_Surveys
105	3/26/2011	MOB_1	565	Unkn	UNKN	1	Yes	Active		11T	514911	4807730	03262011_UNKN_Obs105.jpg	bird in nest - west side of canyon wall	URS_2011_Surveys
106	3/26/2011	MOB_1	566	Golden Eagle	GOEA	2	Yes	Active		11T	514972	4808023	03262011_GOEA_Obs106.jpg	2 birds, 1 in flight, 1 on nest	URS_2011_Surveys
106	6/6/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	2	11T	514972	4808023	06062011_GOEA_Obs106.jpg	2 young on nest	URS_2011_Surveys
107	3/26/2011	MOB_1	567	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	512976	4808874	None	nest on west side of canyon	URS_2011_Surveys
107	6/6/2011	MOB_2	MOB_1	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	512976	4808874	None		URS_2011_Surveys
108	3/26/2011	MOB_1	568	Unkn	UNKN	0	Yes	Inactive	NA	11T	512587	4808733	03262011_UNKN_Obs108.jpg	west side of canyon, 3 nest structures	URS_2011_Surveys
108	6/6/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	512587	4808733	None		URS_2011_Surveys
109	3/26/2011	MOB_1	569	Golden Eagle	GOEA	1	Yes	Inactive	NA	11T	512715	4808576	None	Golden eagle nest on west side of canyon	URS_2011_Surveys
109	6/6/2011	MOB_2	MOB_1	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	512715	4808576	None		URS_2011_Surveys
110	3/26/2011	MOB_1	570	Red-tailed Hawk	RTHA	1	Yes	Active		11T	512473	4807965	03262011_RTHA_Obs110.jpg	bird on nest, west side of canyon	URS_2011_Surveys
111	3/26/2011	MOB_1	571	Red-tailed Hawk	RTHA	1	Yes	Active		11T	511961	4811842	03262011_RTHA_Obs111.jpg	bird on nest, flushed, 4 eggs	URS_2011_Surveys
111	6/6/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	1	Yes	Active	1	11T	511961	4811842	None	1 young on nest, flushed 2 BAOW in area	URS_2011_Surveys
112	3/26/2011	MOB_1	572	Unkn	UNKN	0	Yes	Inactive	NA	11T	511644	4811499	03262011_UNKN_Obs112.jpg	2 nests in rocks, no birds seen	URS_2011_Surveys
112	6/6/2011	MOB_2	MOB_1	Unkn	UNKN	3	Yes	Inactive	NA	11T	511644	4811499	None	flushed BAOW from rocks, several CORA in the area	URS_2011_Surveys
113	3/26/2011	MOB_1	573	Unkn	UNKN	0	Yes	Inactive	NA	11T	509971	4809976	03262011_UNKN_Obs113.jpg	nest in rocks, west side of canyon	URS_2011_Surveys
113	6/6/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	509971	4809976	None		URS_2011_Surveys
114	3/26/2011	MOB_1	574	Golden Eagle	GOEA	2	No	NA	NA	11T	509126	4809995	None	1 bird in flight, 1 sitting on rock, 2 other nests near by wp575	URS_2011_Surveys
115	3/26/2011	MOB_1	575	Unkn	UNKN	0	Yes	Inactive	NA	11T	509395	4810499	03262011_UNKN_Obs115.jpg	wps 574 & 575 both on east side of canyon wall	URS_2011_Surveys
115	6/6/2011	MOB_2	MOB_1	Golden Eagle	GOEA	1	Yes	Active	1	11T	509395	4810499	06062011_GOEA_Obs115.jpg	1 young on nest, food item in nest is cottontail	URS_2011_Surveys
116	3/26/2011	MOB_1	576	Unid Owl	UNOW	2	No	NA	NA	11T	508591	4811921	None	flushed small owl and saw facon in flight	URS_2011_Surveys
116	6/6/2011	MOB_2	MOB_1	Barn Owl	BAOW	1	No	NA	NA	11T	508591	4811921	None	Flushed	URS_2011_Surveys
117	3/26/2011	MOB_1	577	Red-tailed Hawk	RTHA	1	Yes	Active		11T	506758	4814604	03262011_RTHA_Obs117.jpg	bird on nest, east side of canyon	URS_2011_Surveys
117	6/6/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	4	Yes	Active	3	11T	506758	4814604	06062011_RTHA_Obs117.jpg	1 adult and 3 young on nest, food item in nest is jackrabbit	URS_2011_Surveys
118	3/26/2011	MOB_1	578	Unkn	UNKN	0	Yes	Inactive	NA	11T	505744	4813313	03262011_UNKN_Obs118.jpg	nest in rocks, east side of canyon	URS_2011_Surveys
118	6/6/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	505744	4813313	None	Flushed juvenile RTHA in area of inactive nest at 118, nest is still inactive	URS_2011_Surveys
119	3/26/2011	MOB_1	579	Unkn	UNKN	0	Yes	Inactive	NA	11T	505855	4813658	03262011_UNKN_Obs119.jpg	nest in rocks, west side of canyon	URS_2011_Surveys
119	6/6/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	505855	4813658	06062011_UNKN_Obs119.jpg		URS_2011_Surveys
120	3/26/2011	MOB_1	580	Common Raven	CORA	1	Yes	Active		11T	508792	4813324	03262011_CORA_Obs120.jpg	a "black" bird sitting in nest - did not flush	URS_2011_Surveys
120	6/6/2011	MOB_2	MOB_1	Common Raven	CORA	1	Yes	Inactive	NA	11T	508792	4813324	06062011_CORA_Obs120.jpg	Dead raven in nest, nest deprecation	URS_2011_Surveys
121	3/27/2011	MOB_1	582	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	471240	4928875	03272011_RTHA_Obs121.jpg	Large unid hawk in flight	URS_2011_Surveys
122	3/27/2011	MOB_1	583	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	467928	4929744	None	bird sitting in a juniper	URS_2011_Surveys
123	3/27/2011	MOB_1	584	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	474529	4921935	03272011_RTHA_Obs123.jpg	bird sitting on rock, ridge line	URS_2011_Surveys
124	3/27/2011	MOB_1	585	Golden Eagle	GOEA	1	No	NA	NA	11T	474457	4921391	03272011_GOEA_Obs124.jpg	GE sitting on rock	URS_2011_Surveys
125	3/27/2011	MOB_1	586	Golden Eagle	GOEA	1	Yes	Active		11T	474434	4921010	03272011_GOEA_Obs125.jpg	GE sitting on nest	URS_2011_Surveys
125	6/9/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	1	11T	474434	4921010	06092011_GOEA_Obs125.jpg	1 adult flying in area, 1 young on nest	URS_2011_Surveys
126	3/27/2011	MOB_1	587	Unid Falcon	UNFA	1	No	NA	NA	11T	472488	4921025	None	bird in flight - 3 dark bands on tail	URS_2011_Surveys
127	3/27/2011	MOB_1	588	Northern Harrier	NOHA	1	No	NA	NA	11T	471794	4919765	None	bird in flight	URS_2011_Surveys
128	3/27/2011	MOB_1	589	Sharp-shinned Hawk	SSHA	1	No	NA	NA	11T	475859	4919950	03272011_SSHA_Obs128.jpg	bird in flight - 3 dark bands on tail, square edge tail	URS_2011_Surveys
129	3/27/2011	MOB_1	590	Northern Harrier	NOHA	1	No	NA	NA	11T	473406	4918590	None	bird in flight	URS_2011_Surveys
130	3/27/2011	MOB_1	591	Golden Eagle	GOEA	1	No	NA	NA	11T	476966	4919026	None	GE flew from a juniper	URS_2011_Surveys
131	3/27/2011	MOB_1	592	Unkn	UNKN	0	Yes	Inactive	NA	11T	476758	4918950	03272011_UNKN_Obs131.jpg	nest in rocks	URS_2011_Surveys
132	3/27/2011	MOB_1	593	Golden Eagle	GOEA	1	Yes	Active		11T	475983	4916454	03272011_GOEA_Obs132.jpg	GE sitting on nest in cliff area east of old plant, 2 nest structures	URS_2011_Surveys
132	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	475983	4916454	06092011_UNKN_Obs132.jpg	Inactive nest, flushed BAOW	URS_2011_Surveys
133	3/27/2011	MOB_1	594	American Kestrel	AMKE	1	No	NA	NA	11T	475383	4916229	None	male bird flew from cliff area west side of hwy 84	URS_2011_Surveys
134	3/27/2011	MOB_1	595	American Kestrel	AMKE	1	No	NA	NA	11T	475376	4915073	None	male bird flew from cliff area west side of hwy 84	URS_2011_Surveys
134	6/9/2011	MOB_2	MOB_1	Common Raven	CORA	4	Yes	Active	4	11T	475376	4915073	06092011_CORA_Obs134.jpg		URS_2011_Surveys
135	3/27/2011	MOB_1	596	Unkn	UNKN	0	Yes	Inactive	NA	11T	476884	4913394	None	nest in tree	URS_2011_Surveys
135	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	476884	4913394	06092011_UNKN_Obs135.jpg		URS_2011_Surveys
136	3/27/2011	MOB_1	597	Unkn	UNKN	0	Yes	Inactive	NA	11T	476945	4912819	03272011_UNKN_Obs136.jpg	2 nests in separate trees cooper's hawk seen in area	URS_2011_Surveys
136	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	476945	4912819	06092011_UNKN_Obs136.jpg		URS_2011_Surveys
137	3/27/2011	MOB_1	598	Unkn	UNKN	0	Yes	Inactive	NA	11T	471401	4907383	03272011_UNKN_Obs137.jpg	2 nests in rocks near each other, a larger nest across the draw to the south, GE?	URS_2011_Surveys
137	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	471401	4907383	06092011_UNKN_Obs137.jpg		URS_2011_Surveys
139	3/27/2011	MOB_1	600	Red-tailed Hawk	RTHA	2	Yes	Active		11T	472886	4909485	03272011_RTHA_Obs139.jpg	1 bird on fence post, 1 sitting on nest just east of wp599	URS_2011_Surveys
139	6/9/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	2	Yes	Active	1	11T	472886	4909485	06092011_RTHA_Obs139.jpg	1 adult in tree, 1 young in nest	URS_2011_Surveys
140	3/27/2011	MOB_1	601	Unkn	UNKN	0	Yes	Inactive	NA	11T	474440	4910047	03272011_UNKN_Obs140.jpg	nest in rocks	URS_2011_Surveys
140	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	474440	4910047	06092011_UNKN_Obs140.jpg		URS_2011_Surveys
141	3/27/2011	MOB_1	602	Unkn	UNKN	0	Yes	Inactive	NA	11T	474237	4910335	03272011_UNKN_Obs141.jpg	nest in rocks	URS_2011_Surveys
141	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	474237	4910335	06092011_UNKN_Obs141.jpg		URS_2011_Surveys
142	3/27/2011	MOB_1	603	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	472958	4911403	None	bird in flight	URS_2011_Surveys
143	3/27/2011	MOB_1	604	Unkn	UNKN	0	Yes	Inactive	NA	11T	473002	4910786	03272011_UNKN_Obs143.jpg	nest in tree	URS_2011_Surveys
143	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	473002	4910786	06092011_UNKN_Obs143.jpg		URS_2011_Surveys
144	3/27/2011	MOB_1	605	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	474832	4909745	None	bird perched in tree	URS_2011_Surveys
145	3/27/2011	MOB_1	606	Golden Eagle	GOEA	1	No	NA	NA	11T	476106	4912756	None	bird in flight	URS_2011_Surveys



Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
146	3/27/2011	MOB_1	607	Red-tailed Hawk	RTHA	2	Yes	Active		11T	473641	4911500	03272011_RTHA_Obs146.jpg	1 bird preched in tree, 1 bird on nest, tree in creek bottom	URS_2011_Surveys
146	6/9/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	1	Yes	Active	1	11T	473641	4911500	06092011_RTHA_Obs146.jpg	1 chick on nest, food items in nest are mouse and snake	URS_2011_Surveys
147	3/27/2011	MOB_1	608	Unkn	UNKN	0	Yes	Inactive	NA	11T	473608	4912317	03272011_UNKN_Obs147.jpg	nest in tree, in creek bottom	URS_2011_Surveys
147	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	473608	4912317	06092011_UNKN_Obs147.jpg		URS_2011_Surveys
148	3/27/2011	MOB_1	609	Golden Eagle	GOEA	2	No	NA	NA	11T	475135	4913198	None	both birds in flight	URS_2011_Surveys
149	3/27/2011	MOB_1	610	Unkn	UNKN	0	Yes	Inactive	NA	11T	475023	4913359	03272011_UNKN_Obs149.jpg	spotted 2 nests in rocks, 2 more about 50 meters east	URS_2011_Surveys
149	6/9/2011	MOB_2	MOB_1	American Kestrel	AMKE	1	No	NA	NA	11T	475023	4913359	None		URS_2011_Surveys
149	6/9/2011	MOB_2	MOB_1	Barn Owl	BAOW	1	No	NA	NA	11T	475023	4913359	None		URS_2011_Surveys
149	6/9/2011	MOB_2	MOB_1	Golden Eagle	GOEA	1	No	NA	NA	11T	475023	4913359	06092011_GOEA_Obs149.jpg		URS_2011_Surveys
149	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	475023	4913359	06092011_UNKN_Obs149.jpg		URS_2011_Surveys
150	3/27/2011	MOB_1	611	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	473617	4916410	None	both birds in flight	URS_2011_Surveys
151	3/27/2011	MOB_1	612	Golden Eagle	GOEA	1	No	NA	NA	11T	472514	4917805	None	bird on rocky outcropping	URS_2011_Surveys
152	3/27/2011	MOB_1	613	Unkn	UNKN	0	Yes	Inactive	NA	11T	474289	4916076	03272011_UNKN_Obs152.jpg	nest in rocks	URS_2011_Surveys
152	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	474289	4916076	06092011_UNKN_Obs152.jpg		URS_2011_Surveys
153	3/27/2011	MOB_1	614	Golden Eagle	GOEA	1	No	NA	NA	11T	474842	4916219	None	bird in flight	URS_2011_Surveys
154	3/27/2011	MOB_1	615	Short-eared Owl	SEOW	1	No	NA	NA	11T	472919	4918542	None	bird in flight - short-eared owl?	URS_2011_Surveys
155	3/27/2011	MOB_1	616	Unkn	UNKN	0	Yes	Inactive	NA	11T	474593	4919314	03272011_UNKN_Obs155.jpg	nest in rocks	URS_2011_Surveys
155	6/9/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	2	11T	474593	4919314	06092011_RTHA_Obs155.jpg		URS_2011_Surveys
156	3/27/2011	MOB_1	617	Unkn	UNKN	0	Yes	Inactive	NA	11T	474372	4920642	03272011_UNKN_Obs156.jpg	large nest in rocks	URS_2011_Surveys
156	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	474372	4920642	06092011_UNKN_Obs156.jpg		URS_2011_Surveys
157	3/27/2011	MOB_1	618	Unkn	UNKN	0	Yes	Inactive	NA	11T	474181	4920136	03272011_UNKN_Obs157.jpg	large nest in rocks	URS_2011_Surveys
157	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	474181	4920136	06092011_UNKN_Obs157.jpg		URS_2011_Surveys
158	3/27/2011	MOB_1	619	Red-tailed Hawk	RTHA	1	Yes	Active		11T	474188	4922394	03272011_RTHA_Obs158.jpg	bird on nest	URS_2011_Surveys
158	6/9/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	4	Yes	Active	3	11T	474188	4922394	06092011_RTHA_Obs158.jpg		URS_2011_Surveys
159	3/27/2011	MOB_1	620	Red-tailed Hawk	RTHA	1	Yes	Active		11T	474025	4922712	03272011_RTHA_Obs159.jpg	bird on nest, juniper tree	URS_2011_Surveys
159	6/9/2011	MOB_2	MOB_1	Swainson's Hawk	SWHA	1	No	NA	NA	11T	474025	4922712	None		URS_2011_Surveys
159	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	474025	4922712	06092011_UNKN_Obs159.jpg		URS_2011_Surveys
160	3/27/2011	MOB_1	621	Unkn	UNKN	0	Yes	Inactive	NA	11T	471954	4924877	03272011_UNKN_Obs160.jpg	nest in tree	URS_2011_Surveys
161	3/27/2011	MOB_1	622	Red-tailed Hawk	RTHA	1	Yes	Active		11T	471006	4930241	03272011_RTHA_Obs161.jpg	bird on nest, juniper tree, west side of creek bottom	URS_2011_Surveys
161	6/9/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	4	Yes	Active	3	11T	471006	4930241	06092011_RTHA_Obs161.jpg		URS_2011_Surveys
162	3/27/2011	MOB_1	623	American Kestrel	AMKE	1	No	NA	NA	11T	470631	4933561	None	bird in flight	URS_2011_Surveys
163	3/27/2011	MOB_1	624	Long-eared Owl	LEOW	2	Yes	Active		11T	470952	4933560	03272011_LEOW_Obs163.jpg	bird on nest, flushed, 4 eggs, saw a 2nd bird in flight, 3 nest structures	URS_2011_Surveys
164	3/27/2011	MOB_1	625	Unkn	UNKN	0	Yes	Inactive	NA	11T	471229	4933853	03272011_UNKN_Obs164.jpg	nest in tree, creek bottom	URS_2011_Surveys
164	6/9/2011	MOB_2	MOB_1	Cooper's Hawk	COHA	1	No	NA	NA	11T	471229	4933853	None		URS_2011_Surveys
164	6/9/2011	MOB_2	MOB_1	Short-eared Owl	SEOW	1	No	NA	NA	11T	471229	4933853	None		URS_2011_Surveys
165	3/27/2011	MOB_1	626	Short-eared Owl	SEOW	1	No	NA	NA	11T	471361	4933951	None	bird in flight	URS_2011_Surveys
166	3/27/2011	MOB_1	627	Red-tailed Hawk	RTHA	1	Yes	Active		11T	471650	4934284	03272011_RTHA_Obs166.jpg	bird on nest	URS_2011_Surveys
166	6/9/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	5	Yes	Active	4	11T	471650	4934284	06092011_RTHA_Obs166.jpg		URS_2011_Surveys
167	3/27/2011	MOB_1	628	Common Raven	CORA	1	Yes	Active		11T	472174	4934662	03272011_CORA_Obs167.jpg	nest in rocks, raven flew off nest	URS_2011_Surveys
167	6/9/2011	MOB_2	MOB_1	Common Raven	CORA	1	Yes	Inactive	NA	11T	472174	4934662	06092011_CORA_Obs167.jpg	Inactive nest, 1 CORA in area	URS_2011_Surveys
168	3/27/2011	MOB_1	629	Unkn	UNKN	0	Yes	Inactive		11T	470121	4934307	03272011_UNKN_Obs168.jpg	nest in juniper tree, fresh vegetation in nest	URS_2011_Surveys
168	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	470121	4934307	06092011_UNKN_Obs168.jpg		URS_2011_Surveys
169	3/27/2011	MOB_1	630	Unkn	UNKN	0	Yes	Inactive	NA	11T	469541	4934413	03272011_UNKN_Obs169.jpg	nest in juniper tree	URS_2011_Surveys
169	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	469541	4934413	06092011_UNKN_Obs169.jpg		URS_2011_Surveys
170	3/27/2011	MOB_1	631	Unid Falcon	UNFA	1	No	NA	NA	11T	469792	4935482	None	bird in flight	URS_2011_Surveys
171	3/27/2011	MOB_1	632	Red-tailed Hawk	RTHA	1	Yes	Active		11T	468529	4937089	03272011_RTHA_Obs171.jpg	bird in nest, juniper tree	URS_2011_Surveys
171	6/9/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	3	11T	468529	4937089	06092011_RTHA_Obs171.jpg	3 young RTHA, out on tree limbs ready to fledge	URS_2011_Surveys
172	3/27/2011	MOB_1	633	Unkn	UNKN	0	Yes	Inactive	NA	11T	466717	4936916	03272011_UNKN_Obs172.jpg	nest in rocks, creek bottom, north side	URS_2011_Surveys
172	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	466717	4936916	06092011_UNKN_Obs172.jpg		URS_2011_Surveys
173	3/27/2011	MOB_1	634	Unkn	UNKN	0	Yes	Inactive	NA	11T	466508	4936992	03272011_UNKN_Obs173.jpg	nest in large juniper tree, mid height, on north side of tree	URS_2011_Surveys
173	6/9/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	466508	4936992	06092011_UNKN_Obs173.jpg		URS_2011_Surveys
174	3/27/2011	MOB_1	635	Common Raven	CORA	1	Yes	Active		11T	466264	4938047	03272011_CORA_Obs174.jpg	nest in large juniper tree, raven sitting on nest	URS_2011_Surveys
175	3/27/2011	MOB_1	636	Unkn	UNKN	0	Yes	Inactive	NA	11T	466284	4938240	03272011_UNKN_Obs175.jpg	nest in ponderosa pine tree	URS_2011_Surveys
176	3/27/2011	MOB_1	637	Red-tailed Hawk	RTHA	1	Yes	Active		11T	466551	4938822	03272011_RTHA_Obs176.jpg	bird on nest, juniper tree	URS_2011_Surveys
176	6/9/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	3	11T	466551	4938822	06092011_RTHA_Obs176.jpg		URS_2011_Surveys
177	3/28/2011	MOB_1	638	Ferruginous Hawk	FEHA	1	No	NA	NA	11T	461512	4870442	03282011_FEHA_Obs177.jpg	male ferruginous sitting in a sage-no nest located	URS_2011_Surveys
178	3/28/2011	MOB_1	639	Golden Eagle	GOEA	2	Yes	Active		11T	464748	4862896	03282011_GOEA_Obs178.jpg	2 nests on rock face-1 GE on nest-1GE on rock	URS_2011_Surveys
178	6/8/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	2	11T	464748	4862896	06082011_GOEA_Obs178.jpg	2 young on nest	URS_2011_Surveys
179	3/28/2011	MOB_1	640	Unkn	UNKN	0	Yes	Inactive	NA	11T	464580	4862570	03282011_UNKN_Obs179.jpg	nest on rock face	URS_2011_Surveys
179	6/8/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	464580	4862570	06082011_UNKN_Obs179.jpg		URS_2011_Surveys
180	3/28/2011	MOB_1	641	Common Raven	CORA	1	Yes	Active		11T	462103	4864338	03282011_CORA_Obs180.jpg	nest on rock face	URS_2011_Surveys
180	6/8/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	462103	4864338	None	No observations	URS_2011_Surveys
181	3/28/2011	MOB_1	642	Barn Owl	BAOW	1	Yes	Active		11T	462204	4864309	03282011_BAOW_Obs181.jpg	owl flew off nest	URS_2011_Surveys
181	6/8/2011	MOB_2	MOB_1	Barn Owl	BAOW	1	No	NA	NA	11T	462204	4864309	None		URS_2011_Surveys
181	6/8/2011	MOB_2	MOB_1	Prairie Falcon	PRFA	4	Yes	Active	4	11T	462204	4864309	06082011_PRFA_Obs181.jpg	4 young in scrape	URS_2011_Surveys
182	3/28/2011	MOB_1	643	Prairie Falcon	PRFA	1	No	NA	NA	11T	462333	4864166	03282011_PRFA_Obs182.jpg	bird in flight	URS_2011_Surveys
183	3/28/2011	MOB_1	644	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	463679	4860653	03282011_RLHA_Obs183.jpg	bird in flight	URS_2011_Surveys
184	3/28/2011	MOB_1	645	Unkn	UNKN	0	Yes	Inactive	NA	11T	460919	4864678	03282011_UNKN_Obs184.jpg	large nest on rock face	URS_2011_Surveys
184	6/8/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	460919	4864678	06082011_UNKN_Obs184.jpg		URS_2011_Surveys
185	3/28/2011	MOB_1	646	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	461246	4865942	None	bird in flight	URS_2011_Surveys
186	3/28/2011	MOB_1	647	Red-tailed Hawk	RTHA	1	Yes	Active		11T	460829	4866311	03282011_RTHA_Obs186.jpg	bird	

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
189	3/28/2011	MOB_1	650	Prairie Falcon	PRFA	1	Yes	Inactive	NA	11T	462456	4868039	03282011_PRFA_Obs189.jpg	bird flew from rock face-located 2 nests	URS_2011_Surveys
189	6/8/2011	MOB_2	MOB_1	Common Raven	CORA	1	Yes	Active	0	11T	462456	4868039	06082011_CORA_Obs189.jpg		URS_2011_Surveys
189	6/8/2011	MOB_2	MOB_1	Prairie Falcon	PRFA	5	Yes	Active	3	11T	462456	4868039	06082011_PRFA_Obs189.jpg	3 young on nest, 2 adult in area	URS_2011_Surveys
190	3/28/2011	MOB_1	651	Barn Owl	BAOW	1	No	NA	NA	11T	462142	4868113	None	owl flew from rock face	URS_2011_Surveys
190	6/8/2011	MOB_2	MOB_1	Barn Owl	BAOW	5	No	NA	NA	11T	462142	4868113	None		URS_2011_Surveys
191	3/28/2011	MOB_1	652	Golden Eagle	GOEA	1	Yes	Active		11T	461648	4867788	03282011_GOEA_Obs191.jpg	saw 2 nest structures(652). About 100 meters west saw 4 nests w/ bird on nest	URS_2011_Surveys
191	6/8/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Inactive	NA	11T	461648	4867788	None	2 adults flying in area, 7 inactive nests in vicinity	URS_2011_Surveys
192	3/28/2011	MOB_1	653	Golden Eagle	GOEA	1	Yes	Active		11T	467104	4931851	03282011_GOEA_Obs192.jpg	bird on nest-Lime Plant-east side hwy 84	URS_2011_Surveys
192	6/9/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	1	11T	467104	4931851	06092011_GOEA_Obs192.jpg	Flushed BAOW in area	URS_2011_Surveys
193	3/28/2011	MOB_1	654	Red-tailed Hawk	RTHA	1	Yes	Active		11T	464260	4939831	03282011_RTHA_Obs193.jpg	bird on nest-2nd nest 50 meters east	URS_2011_Surveys
193	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	464260	4939831	06102011_UNKN_Obs193.jpg		URS_2011_Surveys
194	3/28/2011	MOB_1	655	Prairie Falcon	PRFA	2	Yes	Inactive	NA	11T	463733	4941365	03282011_PRFA_Obs194.jpg	2 PF flew from rock face-found a nest in the area	URS_2011_Surveys
194	6/10/2011	MOB_2	MOB_1	Prairie Falcon	PRFA	1	No	NA	NA	11T	463733	4941365	None	1 adult in flight in the area	URS_2011_Surveys
195	3/28/2011	MOB_1	656	Long-eared Owl	LEOW	1	Yes	Active		11T	462829	4942030	03282011_LEOW_Obs195.jpg	bird on nest-juniper tree	URS_2011_Surveys
195	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	462829	4942030	06102011_UNKN_Obs195.jpg		URS_2011_Surveys
196	3/28/2011	MOB_1	657	Unkn	UNKN	0	Yes	Inactive	NA	11T	462419	4941500	03282011_UNKN_Obs196.jpg	nest in juniper tree	URS_2011_Surveys
196	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	462419	4941500	06102011_UNKN_Obs196.jpg		URS_2011_Surveys
197	3/28/2011	MOB_1	658	Red-tailed Hawk	RTHA	1	Yes	Active		11T	462146	4941392	03282011_RTHA_Obs197.jpg	bird on nest, deformed beak	URS_2011_Surveys
197	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	462146	4941392	06102011_UNKN_Obs197.jpg		URS_2011_Surveys
198	3/28/2011	MOB_1	659	Unkn	UNKN	0	Yes	Inactive	NA	11T	462627	4941448	03282011_UNKN_Obs198.jpg	nest in juniper tree	URS_2011_Surveys
198	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	462627	4941448	06102011_UNKN_Obs198.jpg		URS_2011_Surveys
199	3/28/2011	MOB_1	660	Unkn	UNKN	0	Yes	Inactive	NA	11T	461966	4941830	03282011_UNKN_Obs199.jpg	nest in juniper tree	URS_2011_Surveys
200	3/28/2011	MOB_1	661	Unkn	UNKN	0	Yes	Inactive	NA	11T	462130	4941975	03282011_UNKN_Obs200.jpg	nest in top of juniper tree	URS_2011_Surveys
201	3/28/2011	MOB_1	662	Unkn	UNKN	0	Yes	Inactive	NA	11T	462035	4941998	03282011_UNKN_Obs201.jpg	nest in juniper	URS_2011_Surveys
201	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	462035	4941998	06102011_UNKN_Obs201.jpg		URS_2011_Surveys
202	3/28/2011	MOB_1	663	Red-tailed Hawk	RTHA	1	Yes	Active		11T	459147	4944525	03282011_RTHA_Obs202.jpg	nest in juniper tree-north side of creek	URS_2011_Surveys
202	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	459147	4944525	06102011_UNKN_Obs202.jpg		URS_2011_Surveys
203	3/28/2011	MOB_1	664	Unkn	UNKN	0	Yes	Inactive	NA	11T	455918	4944417	03282011_UNKN_Obs203.jpg	nest in cottonwood tree	URS_2011_Surveys
203	6/10/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	2	11T	455918	4944417	06102011_RTHA_Obs203.jpg		URS_2011_Surveys
204	3/28/2011	MOB_1	665	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	454620	4944937	None	bird in flight	URS_2011_Surveys
205	3/28/2011	MOB_1	666	Red-tailed Hawk	RTHA	1	Yes	Active		11T	454543	4945491	03282011_RTHA_Obs205.jpg	nest in juniper tree	URS_2011_Surveys
205	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	454543	4945491	06102011_UNKN_Obs205.jpg		URS_2011_Surveys
206	3/28/2011	MOB_1	667	Red-tailed Hawk	RTHA	1	Yes	Active		11T	448287	4948405	03282011_RTHA_Obs206.jpg	bird on nest-nest in cottonwood tree	URS_2011_Surveys
206	6/10/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	2	11T	448287	4948405	06102011_RTHA_Obs206.jpg		URS_2011_Surveys
208	3/29/2011	MOB_1	670	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	440020	4971325	None	bird in flight	URS_2011_Surveys
209	3/29/2011	MOB_1	672	Golden Eagle	GOEA	1	Yes	Active		11T	438471	4974836	03292011_GOEA_Obs209.jpg	bird on nest-nest on transmission line-recorded last year	URS_2011_Surveys
209	6/10/2011	MOB_2	MOB_1	Golden Eagle	GOEA	2	Yes	Active	2	11T	438471	4974836	06102011_GOEA_Obs209.jpg		URS_2011_Surveys
210	3/30/2011	MOB_1	3	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	445348	4961099	None	bird in flight	URS_2011_Surveys
211	3/30/2011	MOB_1	4	Unkn	UNKN	0	Yes	Inactive	NA	11T	442171	4960683	03302011_UNKN_Obs211.jpg	2 nests in juniper tree	URS_2011_Surveys
211	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	442171	4960683	06102011_UNKN_Obs211.jpg		URS_2011_Surveys
212	3/30/2011	MOB_1	5	Ferruginous Hawk	FEHA	2	No	NA	NA	11T	440313	4959083	None	birds in flight	URS_2011_Surveys
213	3/30/2011	MOB_1	6	Common Raven	CORA	2	Yes	Inactive	NA	11T	438783	4958801	None	nest on power pole, 2 ravens in area	URS_2011_Surveys
213	6/10/2011	MOB_2	MOB_1	Common Raven	CORA	4	Yes	Active	3	11T	438783	4958801	06102011_CORA_Obs213.jpg		URS_2011_Surveys
214	3/30/2011	MOB_1	7	Unkn	UNKN	0	Yes	Inactive	NA	11T	442999	4960194	03302011_UNKN_Obs214.jpg	nest in juniper tree	URS_2011_Surveys
214	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	442999	4960194	06102011_UNKN_Obs214.jpg		URS_2011_Surveys
215	3/30/2011	MOB_1	8	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	443785	4959857	None	bird in flight	URS_2011_Surveys
216	3/30/2011	MOB_1	9	Unkn	UNKN	0	Yes	Inactive	NA	11T	442083	4958009	03302011_UNKN_Obs216.jpg	large nest in juniper tree	URS_2011_Surveys
216	6/10/2011	MOB_2	MOB_1	Ferruginous Hawk	FEHA	1	No	NA	NA	11T	442083	4958009	06102011_FEHA_Obs216.jpg		URS_2011_Surveys
216	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	442083	4958009	06102011_UNKN_Obs216.jpg	Inactive nest in juniper tree, FEHA perched in tree	URS_2011_Surveys
217	3/30/2011	MOB_1	10	Ferruginous Hawk	FEHA	2	Yes	Inactive	NA	11T	440994	4957724	03302011_FEHA_Obs217.jpg	2 nests on rock face where ferruginous nest found last yr, 2 ferruginous in area	URS_2011_Surveys
217	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	440994	4957724	06102011_UNKN_Obs217.jpg	Inactive nest on rock outcrop, FEHA in area	URS_2011_Surveys
218	3/30/2011	MOB_1	11	Unkn	UNKN	0	Yes	Inactive	NA	11T	443886	4957473	03302011_UNKN_Obs218.jpg	nest in juniper tree	URS_2011_Surveys
218	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	443886	4957473	06102011_UNKN_Obs218.jpg		URS_2011_Surveys
219	3/30/2011	MOB_1	12	Unkn	UNKN	0	Yes	Inactive	NA	11T	443587	4957585	03302011_UNKN_Obs219.jpg	nest on ground, old mine site	URS_2011_Surveys
219	6/10/2011	MOB_2	MOB_1	Common Raven	CORA	1	Yes	Active	NA	11T	443587	4957585	06102011_CORA_Obs219.jpg		URS_2011_Surveys
220	3/30/2011	MOB_1	13	Red-tailed Hawk	RTHA	1	Yes	Active		11T	445224	4957124	03302011_RTHA_Obs220.jpg	nest in cottonwood tree, bird on nest	URS_2011_Surveys
220	6/10/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	2	11T	445224	4957124	06102011_RTHA_Obs220.jpg		URS_2011_Surveys
221	3/30/2011	MOB_1	14	Unkn	UNKN	0	Yes	Inactive	NA	11T	444117	4957120	03302011_UNKN_Obs221.jpg	2 juniper trees, 1 nest each	URS_2011_Surveys
221	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	444117	4957120	06102011_UNKN_Obs221.jpg		URS_2011_Surveys
222	3/30/2011	MOB_1	15	Unkn	UNKN	0	Yes	Inactive	NA	11T	441979	4955508	03302011_UNKN_Obs222.jpg	nest in Doug fir tree	URS_2011_Surveys
222	6/10/2011	MOB_2	MOB_1	Common Raven	CORA	3	Yes	Active	3	11T	441979	4955508	06102011_CORA_Obs222.jpg		URS_2011_Surveys
223	3/30/2011	MOB_1	16	Unkn	UNKN	0	Yes	Inactive	NA	11T	439762	4955598	03302011_UNKN_Obs223.jpg	2 nests on rock outcropping	URS_2011_Surveys
223	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	439762	4955598	06102011_UNKN_Obs223.jpg		URS_2011_Surveys
224	3/30/2011	MOB_1	17	Unkn	UNKN	0	Yes	Inactive	NA	11T	440007	4954616	03302011_UNKN_Obs224.jpg	nest on rock outcropping	URS_2011_Surveys
224	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	440007	4954616	06102011_UNKN_Obs224.jpg		URS_2011_Surveys
225	3/30/2011	MOB_1	18	Golden Eagle	GOEA	2	No	NA	NA	11T	437899	4955238	None	2 birds on ground	URS_2011_Surveys
226	3/30/2011	MOB_1	19	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	440560	4954216	None	bird flushed from rocks	URS_2011_Surveys
227	3/30/2011	MOB_1	20	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	443380	4953937	None	bird in flight	URS_2011_Surveys
228	3/30/2011	MOB_1	21	Unkn	UNKN	0	Yes	Inactive	NA	11T	442424	4953071	03302011_UNKN_Obs228.jpg	nest on rock outcropping	URS_2011_Surveys
228	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	442424	4953071	06102011_UNKN_Obs228.jpg		URS_2011_Surveys
229	3/30/2011	MOB_1	22	Unkn	UNKN	0	Yes	Inactive	NA						

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
235	3/30/2011	MOB_1	682	Unkn	UNKN	0	Yes	Inactive	NA	11T	435743	4987172	03302011_UNKN_Obs235.jpg	nest on rock face	URS_2011_Surveys
235	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	435743	4987172	06102011_UNKN_Obs235.jpg		URS_2011_Surveys
236	3/30/2011	MOB_1	683	Unkn	UNKN	0	Yes	Inactive	NA	11T	433840	4988814	03302011_UNKN_Obs236.jpg	nest in tree near river	URS_2011_Surveys
237	3/30/2011	MOB_1	685	American Kestrel	AMKE	2	No	NA	NA	11T	432530	4990809	None	flushed male and female from tree in creek bottom	URS_2011_Surveys
237	6/10/2011	MOB_2	MOB_1	Swainson's Hawk	SWHA	1	Yes	Active	Unkn	11T	432530	4990809	06102011_SWHA_Obs237.jpg		URS_2011_Surveys
238	3/30/2011	MOB_1	686	Unkn	UNKN	0	Yes	Inactive	NA	11T	430741	4995276	None	nest on rock face	URS_2011_Surveys
239	3/30/2011	MOB_1	687	Red-tailed Hawk	RTHA	2	Yes	Active		11T	429908	4995324	03302011_RTHA_Obs239.jpg	nest in tree, 1 bird on nest, 2nd bird perched in tree, eggs in nest	URS_2011_Surveys
239	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	429908	4995324	06102011_UNKN_Obs239.jpg		URS_2011_Surveys
240	3/30/2011	MOB_1	688	Great Horned Owl	GHOW	1	No	NA	NA	11T	430084	4995261	03302011_GHOW_Obs240.jpg	bird in flight	URS_2011_Surveys
241	3/30/2011	MOB_1	689	Golden Eagle	GOEA	2	Yes	Active		11T	430014	4994686	03302011_GOEA_Obs241.jpg	both birds on nest	URS_2011_Surveys
241	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	430014	4994686	06102011_UNKN_Obs241.jpg		URS_2011_Surveys
242	3/30/2011	MOB_1	691	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	427438	4994811	03302011_RTHA_Obs242.jpg	bird perched in tree, creek bottom	URS_2011_Surveys
243	3/30/2011	MOB_1	692	Red-tailed Hawk	RTHA	1	Yes	Active		11T	427124	4994903	03302011_RTHA_Obs243.jpg	nest in tree, bird on nest	URS_2011_Surveys
243	6/10/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	2	Yes	Active	NA	11T	427124	4994903	06102011_RTHA_Obs243.jpg	2 fledgling RTHA perched in nest tree	URS_2011_Surveys
244	3/30/2011	MOB_1	693	Bald Eagle	BAEA	1	No	NA	NA	11T	429127	4995724	None	bird flushed from rocks	URS_2011_Surveys
245	3/30/2011	MOB_1	694	Red-tailed Hawk	RTHA	1	Yes	Active		11T	429574	4996360	03302011_RTHA_Obs245.jpg	nest in tree, bird on nest	URS_2011_Surveys
245	6/10/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	4	Yes	Active	3	11T	429574	4996360	06102011_RTHA_Obs245.jpg		URS_2011_Surveys
246	3/30/2011	MOB_1	695	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	426232	4997446	03302011_RTHA_Obs246.jpg	bird perched on power pole	URS_2011_Surveys
247	3/30/2011	MOB_1	697	Northern Harrier	NOHA	1	No	NA	NA	11T	426180	4994783	None	bird in flight over ag land	URS_2011_Surveys
248	3/30/2011	MOB_1	698	Northern Harrier	NOHA	1	No	NA	NA	11T	426515	4993133	None	bird in flight over ag land	URS_2011_Surveys
249	3/30/2011	MOB_1	699	Northern Harrier	NOHA	1	No	NA	NA	11T	430018	4989660	None	bird in flight over ag land near N Powder R	URS_2011_Surveys
250	3/30/2011	MOB_1	700	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	431908	4987289	None	bird flushed from fence post	URS_2011_Surveys
251	3/30/2011	MOB_1	701	Unkn	UNKN	0	Unkn	Inactive	NA	11T	431388	4986630	03302011_UNKN_Obs251.jpg	on ground, collection of sticks on rocks	URS_2011_Surveys
251	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	431388	4986630	None		URS_2011_Surveys
252	3/30/2011	MOB_1	702	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	433705	4985274	03302011_RLHA_Obs252.jpg	bird in flight	URS_2011_Surveys
253	3/30/2011	MOB_1	703	Common Raven	CORA	1	Yes	Active	NA	11T	432511	4984604	03302011_CORA_Obs253.jpg	nest in tree, creek bottom, 3 eggs, raven flew from nest area	URS_2011_Surveys
254	3/30/2011	MOB_1	704	American Kestrel	AMKE	1	No	NA	NA	11T	432157	4984692	None	male kestrel flushed from tree in creek botom	URS_2011_Surveys
255	3/30/2011	MOB_1	705	Unkn	UNKN	0	Unkn	Inactive	NA	11T	432552	4984934	03302011_UNKN_Obs255.jpg	on ground, collection of sticks on rocks	URS_2011_Surveys
255	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	432552	4984934	None		URS_2011_Surveys
256	3/30/2011	MOB_1	706	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	434424	4984430	03302011_RTHA_Obs256.jpg	both birds sittinbg on power pole	URS_2011_Surveys
257	3/30/2011	MOB_1	707	Unkn	UNKN	0	Yes	Inactive	NA	11T	433936	4984104	03302011_UNKN_Obs257.jpg	nest in tree in creek bottom	URS_2011_Surveys
258	3/30/2011	MOB_1	708	American Kestrel	AMKE	1	No	NA	NA	11T	433110	4983842	None	bird in flight	URS_2011_Surveys
259	3/30/2011	MOB_1	709	Short-eared Owl	SEOW	1	No	NA	NA	11T	432902	4983337	03302011_SEOW_Obs259.jpg	bird in flight - short-eared??	URS_2011_Surveys
260	3/30/2011	MOB_1	710	Ferruginous Hawk	FEHA	2	Yes	Active		11T	434623	4982525	03302011_FEHA_Obs260.jpg	nest in tree-creek bottom-male & female	URS_2011_Surveys
260	6/10/2011	MOB_2	MOB_1	Ferruginous Hawk	FEHA	6	Yes	Active	5	11T	434623	4982525	06102011_FEHA_Obs260.jpg		URS_2011_Surveys
261	3/30/2011	MOB_1	711	Unkn	UNKN	0	Yes	Inactive	NA	11T	434960	4980581	03302011_UNKN_Obs261.jpg	nest in juniper	URS_2011_Surveys
261	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	434960	4980581	06102011_UNKN_Obs261.jpg		URS_2011_Surveys
262	3/30/2011	MOB_1	712	Prairie Falcon	PRFA	1	No	NA	NA	11T	435595	4980342	None	bird flew from rock face	URS_2011_Surveys
263	3/30/2011	MOB_1	713	Common Raven	CORA	1	Yes	Active		11T	435792	4980427	03302011_CORA_Obs263.jpg	nest on rock face, raven on nest	URS_2011_Surveys
263	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	435792	4980427	06102011_UNKN_Obs263.jpg		URS_2011_Surveys
264	3/30/2011	MOB_1	714	Unkn	UNKN	0	Yes	Inactive	NA	11T	435915	4977554	03302011_UNKN_Obs264.jpg	large nest in juniper	URS_2011_Surveys
264	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	435915	4977554	06102011_UNKN_Obs264.jpg		URS_2011_Surveys
265	3/30/2011	MOB_1	715	Unkn	UNKN	0	Yes	Inactive	NA	11T	435932	4976809	03302011_UNKN_Obs265.jpg	nest on rock outcropping	URS_2011_Surveys
265	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	435932	4976809	06102011_UNKN_Obs265.jpg		URS_2011_Surveys
266	3/30/2011	MOB_1	717	Unkn	UNKN	0	Yes	Inactive	NA	11T	435948	4975515	03302011_UNKN_Obs266.jpg	nest in juniper	URS_2011_Surveys
266	6/10/2011	MOB_2	MOB_1	Swainson's Hawk	SWHA	1	Yes	Active	Unkn	11T	435948	4975515	06102011_SWHA_Obs266.jpg		URS_2011_Surveys
267	3/30/2011	MOB_1	718	Common Raven	CORA	1	Yes	Active		11T	436123	4975093	03302011_CORA_Obs267.jpg	nest on rock face, raven sitting on nest	URS_2011_Surveys
267	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	436123	4975093	06102011_UNKN_Obs267.jpg		URS_2011_Surveys
268	3/30/2011	MOB_1	719	Unkn	UNKN	0	Yes	Inactive	NA	11T	436146	4975034	03302011_UNKN_Obs268.jpg	nest on rock face	URS_2011_Surveys
269	3/30/2011	MOB_1	720	Unkn	UNKN	0	Yes	Inactive	NA	11T	436999	4975043	03302011_UNKN_Obs269.jpg	nest structure at base of rock face	URS_2011_Surveys
269	6/10/2011	MOB_2	MOB_1	Common Raven	CORA	1	Yes	Active	0	11T	436999	4975043	06102011_CORA_Obs269.jpg		URS_2011_Surveys
270	3/30/2011	MOB_1	721	Unkn	UNKN	0	Yes	Inactive	NA	11T	436456	4974742	03302011_UNKN_Obs270.jpg	nest on rock face	URS_2011_Surveys
271	3/30/2011	MOB_1	722	Prairie Falcon	PRFA	1	Yes	Active		11T	436497	4974717	03302011_PRFA_Obs271.jpg	bird on nest, flushed, 3 eggs	URS_2011_Surveys
272	3/30/2011	MOB_1	723	Common Raven	CORA	1	Yes	Active		11T	436645	4974655	03302011_CORA_Obs272.jpg	bird on nest	URS_2011_Surveys
272	6/10/2011	MOB_2	MOB_1	Barn Owl	BAOW	2	No	NA	NA	11T	436645	4974655	None		URS_2011_Surveys
273	3/30/2011	MOB_1	724	Barn Owl	BAOW	1	Yes	Active		11T	437161	4974301	03302011_BAOW_Obs273.jpg	bird flushed from nest-3 young in nest	URS_2011_Surveys
273	6/10/2011	MOB_2	MOB_1	Barn Owl	BAOW	1	Yes	Active	Unkn	11T	437161	4974301	06102011_BAOW_Obs273.jpg		URS_2011_Surveys
274	3/30/2011	MOB_1	725	Golden Eagle	GOEA	1	No	NA	NA	11T	438459	4972124	None	flushed from rock outcrop	URS_2011_Surveys
275	3/30/2011	MOB_1	726	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	438918	4972703	None	bird in flight	URS_2011_Surveys
276	3/30/2011	MOB_1	727	Unkn	UNKN	0	Yes	Inactive	NA	11T	438978	4972852	03302011_UNKN_Obs276.jpg	nest on power pole, east side	URS_2011_Surveys
276	6/10/2011	MOB_2	MOB_1	Common Raven	CORA	1	Yes	Active	0	11T	438978	4972852	06102011_CORA_Obs276.jpg		URS_2011_Surveys
277	3/30/2011	MOB_1	728	Northern Harrier	NOHA	1	No	NA	NA	11T	438520	4970697	None	bird in flight	URS_2011_Surveys
278	3/30/2011	MOB_1	729	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	438532	4969947	None	bird on power pole	URS_2011_Surveys
279	3/30/2011	MOB_1	730	Golden Eagle	GOEA	1	No	NA	NA	11T	439905	4968622	03302011_GOEA_Obs279.jpg	bird in flight, landed in sage	URS_2011_Surveys
279	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	439905	4968622	06102011_UNKN_Obs279.jpg		URS_2011_Surveys
280	3/30/2011	MOB_1	731	Unkn	UNKN	0	Yes	Inactive	NA	11T	440431	4969367	03302011_UNKN_Obs280.jpg	nest on rock outcropping	URS_2011_Surveys
280	6/10/2011	MOB_2	MOB_1	Common Raven	CORA	2	Yes	Active	2	11T	440431	4969367	06102011_CORA_Obs280.jpg		URS_2011_Surveys
281	3/30/2011	MOB_1	732	Unkn	UNKN	0	Unkn	Inactive	NA	11T	440804	4968457	03302011_UNKN_Obs281.jpg	on ground, collection of sticks on rocks	URS_2011_Surveys
282	3/30/2011	MOB_1	733	Golden Eagle	GOEA	1	No	NA	NA	11T	440714	4967742	03302011_GOEA_Obs282.jpg	different bird than wp730-no white on tail	URS_2011_Surveys
283	3/30/2011	MOB_1	734	Unkn	UNKN	0	Yes	Inactive	NA	11T	441921	4966812	03302011_UNKN_Obs283.jpg	nest on rock outcropping	URS_2011_Surveys
283	6/10/2011	MOB_2	MOB_1	Common Raven	CORA	2	Yes	Active	2	11T	441921	4966812	06102011_CORA_Obs283.jpg		URS_2011_Surveys
284	3/30/2011	MOB_1	735	Unkn	UNKN	0	Yes	Inactive	NA	11T	442253	4966436	03302011_UNKN_Obs284.jpg	old nest site	URS_2011_Surveys
284	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	442253	4966436	06102011_UNKN_Obs284.jpg		URS_2011_Surveys
285	3/30/2011	MOB_1	736	Unkn	UNKN	0	Yes	Inactive	NA	11T	442295	4966413	03302011_UNKN_Obs285.jpg	nest on rock outcropping	URS_2011_Surveys
285	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	442295	4966413	06102011_UNKN_Obs285.jpg		URS_2011_Surveys
286	3/30/2011	MOB_1	737	Unkn	UNKN	0	Yes	Inactive	NA	11T	441755	4964799	03302011_UNKN_Obs286.jpg	nest on rock outcropping	URS_2011_Surveys

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
286	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	441755	4964799	06102011_UNKN_Obs286.jpg		URS_2011_Surveys
287	3/30/2011	MOB_1	738	Unkn	UNKN	0	Yes	Inactive	NA	11T	442047	4965141	03302011_UNKN_Obs287.jpg	nest on rock outcropping	URS_2011_Surveys
287	6/10/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	442047	4965141	None		URS_2011_Surveys
287	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	442047	4965141	06102011_UNKN_Obs287.jpg		URS_2011_Surveys
288	3/30/2011	MOB_1	739	Ferruginous Hawk	FEHA	2	Yes	Active		11T	446053	4964577	03302011_FEHA_Obs288.jpg	nest on power pole, bird on nest, 2nd bird on pole	URS_2011_Surveys
288	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	446053	4964577	06102011_UNKN_Obs288.jpg	Inactive nest on power pole, was previously being tended by pair of FEHA	URS_2011_Surveys
289	3/30/2011	MOB_1	740	Unkn	UNKN	0	Yes	Inactive	NA	11T	443386	4963543	03302011_UNKN_Obs289.jpg	nest on rock outcropping	URS_2011_Surveys
289	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	443386	4963543	06102011_UNKN_Obs289.jpg		URS_2011_Surveys
290	3/30/2011	MOB_1	741	Common Raven	CORA	1	Yes	Active		11T	442393	4963793	None	nest in nest box north of Interp Center, raven on nest	URS_2011_Surveys
291	3/30/2011	MOB_1	742	Golden Eagle	GOEA	1	No	NA	NA	11T	441481	4963259	None	bird flew from rocks at observation station west of Interp Center	URS_2011_Surveys
292	3/30/2011	MOB_1	743	Unkn	UNKN	0	Yes	Inactive	NA	11T	443511	4963027	03302011_UNKN_Obs292.jpg	nest on rock outcropping	URS_2011_Surveys
292	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	443511	4963027	06102011_UNKN_Obs292.jpg		URS_2011_Surveys
293	3/30/2011	MOB_1	744	American Kestrel	AMKE	1	No	NA	NA	11T	443215	4962203	None	bird in flight near Interp Center maintance shop	URS_2011_Surveys
294	3/30/2011	MOB_1	745	Red-tailed Hawk	RTHA	2	Yes	Active		11T	439204	4962018	03302011_RTHA_Obs294.jpg	nest in tree, 1 bird on nest, 2nd bird perched in tree, adjacent to rd, east side	URS_2011_Surveys
294	6/10/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	4	Yes	Active	3	11T	439204	4962018	06102011_RTHA_Obs294.jpg		URS_2011_Surveys
295	3/30/2011	MOB_1	746	Unkn	UNKN	0	Yes	Inactive	NA	11T	439181	4961687	None	nest in tree near house on east side rd	URS_2011_Surveys
295	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	Unkn	Yes	Active	Unkn	11T	439181	4961687	None	nest in tree next to residence, did not get close enough to observe	URS_2011_Surveys
296	3/31/2011	MOB_1	23	Unkn	UNKN	0	Yes	Inactive	NA	11T	426929	4997568	03312011_UNKN_Obs296.jpg	nest in aspen tree	URS_2011_Surveys
296	6/10/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	2	Yes	Active	1	11T	426929	4997568	06102011_RTHA_Obs296.jpg		URS_2011_Surveys
297	3/31/2011	MOB_1	24	Bald Eagle	BAEA	1	No	NA	NA	11T	422811	5002260	03312011_BAEA_Obs297.jpg	Adult bald eagle perched in tree	URS_2011_Surveys
298	3/31/2011	MOB_1	25	Unkn	UNKN	0	Yes	Inactive	NA	11T	424406	4996971	03312011_UNKN_Obs298.jpg	nest in deciduous tree east of freeway	URS_2011_Surveys
298	6/10/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	424406	4996971	06102011_UNKN_Obs298.jpg		URS_2011_Surveys
299	3/31/2011	MOB_1	26	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	419741	5005063	None	bird in flight	URS_2011_Surveys
300	3/31/2011	MOB_1	27	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	417862	5007378	None	bird in flight	URS_2011_Surveys
301	3/31/2011	MOB_1	28	Northern Harrier	NOHA	1	No	NA	NA	11T	417768	5007444	None	bird in flight	URS_2011_Surveys
302	3/31/2011	MOB_1	30	Osprey	OSPR	1	Yes	Active		11T	411021	5014201	03312011_OSPR_Obs302.jpg	bird on nest	URS_2011_Surveys
302	6/12/2011	MOB_2	MOB_1	Osprey	OSPR	3	Yes	Active	2	11T	411021	5014201	06122011_OSPR_Obs302.jpg	2 hatchlings and one unhatched egg	URS_2011_Surveys
303	3/31/2011	MOB_1	31	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	407535	5018904	None	bird in flight	URS_2011_Surveys
304	3/31/2011	MOB_1	32	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	403628	5019779	None	bird in flight	URS_2011_Surveys
305	3/31/2011	MOB_1	33	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	397994	5026502	None	bird in flight	URS_2011_Surveys
306	3/31/2011	MOB_1	34	Bald Eagle	BAEA	1	No	NA	NA	11T	406315	5018697	None	red tail & bald eagle in flight	URS_2011_Surveys
307	3/31/2011	MOB_1	35	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	409494	5015180	None	bird in flight	URS_2011_Surveys
308	3/31/2011	MOB_1	36	Bald Eagle	BAEA	1	No	NA	NA	11T	409537	5015367	None	bird in flight	URS_2011_Surveys
309	3/31/2011	MOB_1	37	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	408716	5017025	None	bird in flight	URS_2011_Surveys
310	3/31/2011	MOB_1	39	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	401388	5021241	None	bird in flight	URS_2011_Surveys
311	3/31/2011	MOB_1	40	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	408637	5011703	None	bird in flight	URS_2011_Surveys
312	4/1/2011	MOB_1	41	Unid Accipiter	UNAC	1	No	NA	NA	11T	392703	5031535	None	bird in flight- coopers or sharp-shinned	URS_2011_Surveys
314	4/1/2011	MOB_1	43	American Kestrel	AMKE	1	No	NA	NA	11T	381203	5037384	None	bird in flight	URS_2011_Surveys
315	4/1/2011	MOB_1	44	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	387501	5034304	None	bird in flight	URS_2011_Surveys
316	4/1/2011	MOB_1	45	Unid Owl	UNOW	1	No	NA	NA	11T	388240	5032455	None	bird in flight-large dark colored bird	URS_2011_Surveys
317	4/1/2011	MOB_1	46	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	381449	5037507	None	bird perched in tree	URS_2011_Surveys
318	4/1/2011	MOB_1	47	Golden Eagle	GOEA	1	No	NA	NA	11T	375578	5037490	None	bird flushed from ground	URS_2011_Surveys
319	4/1/2011	MOB_1	49	Red-tailed Hawk	RTHA	1	Yes	Active		11T	362590	5039007	None	bird on nest-nest in willow tree	URS_2011_Surveys
319	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	362590	5039007	06112011_UNKN_Obs319.jpg	nest on east side of cottonwood tree	URS_2011_Surveys
320	4/1/2011	MOB_1	50	Red-tailed Hawk	RTHA	1	Yes	Active		11T	361944	5037638	None	bird on nest in tree-close to house-no photo	URS_2011_Surveys
320	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	361944	5037638	None	two adult RTHA in area	URS_2011_Surveys
321	4/1/2011	MOB_1	51	Common Raven	CORA	0	Yes	Active		11T	361846	5037359	04012011_CORA_Obs321.jpg	no bird on nest or immediate area-5 blue eggs in nest	URS_2011_Surveys
322	4/1/2011	MOB_1	52	Northern Harrier	NOHA	1	No	NA	NA	11T	361846	5037359	None	bird in flight	URS_2011_Surveys
323	4/1/2011	MOB_1	53	Golden Eagle	GOEA	1	No	NA	NA	11T	365271	5038348	None	bird perched on fence post	URS_2011_Surveys
324	4/1/2011	MOB_1	54	Northern Harrier	NOHA	1	No	NA	NA	11T	376137	5038289	None	bird in flight	URS_2011_Surveys
325	4/1/2011	MOB_1	55	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	376879	5038868	None	bird in flight	URS_2011_Surveys
326	4/1/2011	MOB_1	56	Red-tailed Hawk	RTHA	1	Yes	Active		11T	368955	5038062	04012011_RTHA_Obs326.jpg	nest in Ponderosa Pine-bird on nest	URS_2011_Surveys
326	6/11/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	2	Yes	Active	2	11T	368955	5038062	06112011_RTHA_Obs326.jpg		URS_2011_Surveys
327	4/1/2011	MOB_1	57	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	365811	5038809	None	bird in flight	URS_2011_Surveys
328	4/1/2011	MOB_1	58	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	364811	5039265	04012011_RTHA_Obs328.jpg	bird perched in tree	URS_2011_Surveys
329	4/1/2011	MOB_1	59	Red-tailed Hawk	RTHA	2	Yes	Active		11T	364305	5039897	04012011_RTHA_Obs329.jpg	nest in cottonwood tree, 2 birds	URS_2011_Surveys
329	6/11/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	2	Yes	Active	2	11T	364305	5039897	06112011_RTHA_Obs329.jpg	nest on north side of cottonwood tree	URS_2011_Surveys
330	4/1/2011	MOB_1	60	Unkn	UNKN	0	Yes	Inactive	NA	11T	361084	5040393	04012011_UNKN_Obs330.jpg	nest in tree	URS_2011_Surveys
330	6/12/2011	MOB_2	MOB_1	Great Horned Owl	GHOW	1	No	NA	NA	11T	361084	5040393	None		URS_2011_Surveys
330	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	361084	5040393	06122011_UNKN_Obs330.jpg		URS_2011_Surveys
331	4/1/2011	MOB_1	61	Red-tailed Hawk	RTHA	1	Yes	Active		11T	361164	5040609	04012011_RTHA_Obs331.jpg	nest in tree with bird on eggs - wp60 & 61 in grove of trees w/ several nests	URS_2011_Surveys
331	6/12/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	2	Yes	Inactive	NA	11T	361164	5040609	06122011_RTHA_Obs331.jpg		URS_2011_Surveys
332	4/1/2011	MOB_1	62	Unkn	UNKN	0	Yes	Inactive	NA	11T	362231	5041023	04012011_UNKN_Obs332.jpg	nest on rock face	URS_2011_Surveys
333	4/1/2011	MOB_1	63	Red-tailed Hawk	RTHA	1	Yes	Active		11T	363228	5040511	04012011_RTHA_Obs333.jpg	nest on rock face, bird sitting on nest, 3 eggs	URS_2011_Surveys
333	6/11/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	4	No	NA	NA	11T	363228	5040511	None	did not locate nest, 2 adult and 2 young RTHA in flight in area	URS_2011_Surveys
334	4/1/2011	MOB_1	64	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	364205	5040648	04012011_RTHA_Obs334.jpg	2 juv red tail hawks, 1 perched in tree, 1 in flight	URS_2011_Surveys
335	4/1/2011	MOB_1	66	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	369027	5039316	None	bird in flight - 3 wps	URS_2011_Surveys
336	4/1/2011	MOB_1	68	Unid Falcon	UNFA	1	No	NA	NA	11T	373098	5039091	None	bird in flight - large	URS_2011_Surveys
337	4/1/2011	MOB_1	69	Golden Eagle	GOEA	3	No	NA	NA	11T	369498	5035808	None	flushed 3 birds off small rock outcropping	URS_2011_Surveys
338	4/1/2011	MOB_1	70	Northern Harrier	NOHA	1	No	NA	NA	11T	362320	5038136	None	bird in flight	URS_2011_Surveys
339	4/1/2011	MOB_1	71	Northern Harrier	NOHA	1	No	NA	NA	11T	360010	5038795	None	bird in flight	URS_2011_Surveys
340	4/1/2011	MOB_1	72	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	359960	5038948	None	bird in flight	URS_2011_Surveys
342	4/1/2011	MOB_1	75	Unkn	UNKN	0	Yes	Inactive	NA	11T	354990	5042032	04012011_UNKN_Obs342.jpg	nest in tree	URS_2011_Surveys
343	4/1/2011	MOB_1	78	Ferruginous Hawk	FEHA	1	Yes	Active		11T	354892	5041815	04012011_FEHA_Obs343.jpg	nest in tree, bird on nest, flushed - 4 eggs	URS_2011_Surveys
343	6/12/2011	MOB_2	MOB_1	Ferruginous Hawk	FEHA	1	Yes	Active	Unkn	11T	354892	5041815	06122011_FEHA_Obs343.jpg	1 adult on nest	URS_2011_Surveys
344	4/1/2011	MOB_1	79	American Kestrel	AMKE	1	No	NA	NA	11T	351343	5042730	None	flushed bird from tree	URS_2011_Surveys

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
345	4/1/2011	MOB_1	80	Red-tailed Hawk	RTHA	1	Yes	Active		11T	350737	5042723	04012011_RTHA_Obs345.jpg	nest in tree, bird on nest, at least 3 eggs	URS_2011_Surveys
345	6/12/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	1	Yes	Inactive	NA	11T	350737	5042723	06122011_RTHA_Obs345.jpg	1 young RTHA flying in area	URS_2011_Surveys
346	4/1/2011	MOB_1	81	Unkn	UNKN	0	Yes	Inactive	NA	11T	351816	5042251	04012011_UNKN_Obs346.jpg	nest in tree	URS_2011_Surveys
346	6/12/2011	MOB_2	MOB_1	Swainson's Hawk	SWHA	5	Yes	Active	4	11T	351816	5042251	06122011_SWHA_Obs346.jpg		URS_2011_Surveys
347	4/1/2011	MOB_1	82	Red-tailed Hawk	RTHA	1	Yes	Active		11T	351263	5041449	04012011_RTHA_Obs347.jpg	kestrel in flight, red tail sitting on nest in tree	URS_2011_Surveys
347	6/12/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	0	Yes	Inactive	NA	11T	351263	5041449	06122011_RTHA_Obs347.jpg	nest deprecation, 1 dead young on nest, 1 adult and 1 young RTHA flying in area	URS_2011_Surveys
349	4/1/2011	MOB_1	84	Ferruginous Hawk	FEHA	2	Yes	Active		11T	352362	5043248	04012011_FEHA_Obs349.jpg	nest in tree w/ bird on nest - 1 bird in flight	URS_2011_Surveys
349	6/12/2011	MOB_2	MOB_1	Ferruginous Hawk	FEHA	5	Yes	Active	5	11T	352362	5043248	06122011_FEHA_Obs349.jpg		URS_2011_Surveys
350	4/1/2011	MOB_1	85	Unkn	UNKN	0	Yes	Inactive	NA	11T	349931	5042778	04012011_UNKN_Obs350.jpg	3 nests in a cluster of trees	URS_2011_Surveys
350	6/12/2011	MOB_2	MOB_1	Swainson's Hawk	SWHA	4	Yes	Active	2	11T	349931	5042778	06122011_SWHA_Obs350.jpg	1 adult, 2 hatchlings, 1 egg	URS_2011_Surveys
351	4/1/2011	MOB_1	86	Great Horned Owl	GHOW	1	No	NA	NA	11T	346222	5042213	04012011_GHOW_Obs351.jpg		URS_2011_Surveys
351	6/12/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	2	11T	346222	5042213	06122011_RTHA_Obs351.jpg		URS_2011_Surveys
352	4/1/2011	MOB_1	87	Northern Harrier	NOHA	1	No	NA	NA	11T	343781	5043700	None	bird in flight	URS_2011_Surveys
353	4/1/2011	MOB_1	88	Unkn	UNKN	0	Yes	Inactive	NA	11T	341735	5043534	04012011_UNKN_Obs353.jpg	nest in tree	URS_2011_Surveys
353	6/12/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	2	11T	341735	5043534	06122011_RTHA_Obs353.jpg		URS_2011_Surveys
354	4/1/2011	MOB_1	89	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	342705	5043774	None	2 birds in flight	URS_2011_Surveys
354	6/12/2011	MOB_2	MOB_1	Northern Harrier	NOHA	1	No	NA	NA	11T	342705	5043774	None		URS_2011_Surveys
355	4/1/2011	MOB_1	90	Northern Harrier	NOHA	1	No	NA	NA	11T	343267	5043911	None	bird in flight	URS_2011_Surveys
356	4/1/2011	MOB_1	91	Northern Harrier	NOHA	1	No	NA	NA	11T	351816	5042251	None	male in flight	URS_2011_Surveys
357	4/1/2011	MOB_1	92	Northern Harrier	NOHA	1	No	NA	NA	11T	347364	5043407	None	bird in flight	URS_2011_Surveys
358	4/1/2011	MOB_1	94	Great Horned Owl	GHOW	1	Yes	Active		11T	348043	5043866	04012011_GHOW_Obs358.jpg	harrier in flight-owl on nest-0348034 5043949	URS_2011_Surveys
358	6/12/2011	MOB_2	MOB_1	Great Horned Owl	GHOW	3	Yes	Inactive	NA	11T	348043	5043866	None		URS_2011_Surveys
359	4/1/2011	MOB_1	95	Northern Harrier	NOHA	2	No	NA	NA	11T	354915	5042576	None	birds in flight	URS_2011_Surveys
360	4/1/2011	MOB_1	96	Northern Harrier	NOHA	1	No	NA	NA	11T	352696	5043532	None	bird in flight	URS_2011_Surveys
361	4/1/2011	MOB_1	97	Northern Harrier	NOHA	1	No	NA	NA	11T	350350	5043322	None	bird in flight	URS_2011_Surveys
362	4/1/2011	MOB_1	98	Northern Harrier	NOHA	1	No	NA	NA	11T	345829	5044327	None	bird in flight	URS_2011_Surveys
363	4/1/2011	MOB_1	99	Rough-legged Hawk	RLHA	2	No	NA	NA	11T	343664	5044578	None	birds in flight	URS_2011_Surveys
364	4/1/2011	MOB_1	100	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	342685	5044586	None	harrier and hawk in flight	URS_2011_Surveys
365	4/1/2011	MOB_1	101	Red-tailed Hawk	RTHA	1	Yes	Active		11T	347933	5044858	04012011_RTHA_Obs365.jpg	red tail on nest, kestrel in flight	URS_2011_Surveys
365	6/12/2011	MOB_2	MOB_1	Great Horned Owl	GHOW	3	No	NA	NA	11T	347933	5044858	06122011_GHOW_Obs365.jpg	flushed 3 young GHOW	URS_2011_Surveys
365	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	347933	5044858	06122011_UNKN_Obs365.jpg		URS_2011_Surveys
366	4/1/2011	MOB_1	102	Northern Harrier	NOHA	1	No	NA	NA	11T	351087	5044134	None	bird in flight	URS_2011_Surveys
367	4/1/2011	MOB_1	103	Red-tailed Hawk	RTHA	2	Yes	Active		11T	361993	5041762	04012011_RTHA_Obs367.jpg	nest in tree w/ bird on nest and 1 perched in tree	URS_2011_Surveys
367	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	361993	5041762	06112011_UNKN_Obs367.jpg	nest shows sign of nest deprecation	URS_2011_Surveys
368	4/1/2011	MOB_1	104	Unkn	UNKN	0	Yes	Inactive	NA	11T	361965	5043301	04012011_UNKN_Obs368.jpg	nest in tree	URS_2011_Surveys
369	4/1/2011	MOB_1	105	Great Horned Owl	GHOW	1	Yes	Active		11T	361598	5043616	04012011_GHOW_Obs369.jpg	nest in tree, bird on nest - flushed, 2 young in nest	URS_2011_Surveys
370	4/1/2011	MOB_1	106	Ferruginous Hawk	FEHA	2	Yes	Active		11T	357879	5044536	04012011_FEHA_Obs370.jpg	nest in tree w/ bird on nest & 1bird perched in tree-bird flushed from nest, 2 eggs	URS_2011_Surveys
370	6/12/2011	MOB_2	MOB_1	Ferruginous Hawk	FEHA	2	Yes	Active	2	11T	357879	5044536	06122011_FEHA_Obs370.jpg		URS_2011_Surveys
371	4/1/2011	MOB_1	107	Northern Harrier	NOHA	1	No	NA	NA	11T	355056	5044448	None	bird in flight	URS_2011_Surveys
372	4/1/2011	MOB_1	108	Great Horned Owl	GHOW	1	Yes	Active		11T	353772	5044057	04012011_GHOW_Obs372.jpg	bird on nest	URS_2011_Surveys
372	6/12/2011	MOB_2	MOB_1	Great Horned Owl	GHOW	1	Yes	Inactive	NA	11T	353772	5044057	06122011_GHOW_Obs372.jpg		URS_2011_Surveys
373	4/1/2011	MOB_1	109	Unkn	UNKN	0	Yes	Inactive	NA	11T	348074	5045359	04012011_UNKN_Obs373.jpg	nest in rocks	URS_2011_Surveys
373	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	348074	5045359	None		URS_2011_Surveys
374	4/1/2011	MOB_1	110	Unkn	UNKN	0	Yes	Inactive	NA	11T	347629	5045916	04012011_UNKN_Obs374.jpg	2 nests in rocks	URS_2011_Surveys
374	6/12/2011	MOB_2	MOB_1	Ferruginous Hawk	FEHA	5	Yes	Active	3	11T	347629	5045916	06122011_FEHA_Obs374.jpg		URS_2011_Surveys
375	4/1/2011	MOB_1	111	Common Raven	CORA	1	Yes	Active		11T	346759	5045404	04012011_CORA_Obs375.jpg	nest in tree w/ raven	URS_2011_Surveys
375	6/12/2011	MOB_2	MOB_1	Common Raven	CORA	3	Yes	Inactive	NA	11T	346759	5045404	06122011_CORA_Obs375.jpg		URS_2011_Surveys
376	4/1/2011	MOB_1	112	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	345839	5045615	04012011_RTHA_Obs376.jpg	bird perched on power pole	URS_2011_Surveys
377	4/1/2011	MOB_1	113	Ferruginous Hawk	FEHA	1	Yes	Active		11T	344172	5046498	04012011_FEHA_Obs377.jpg	nest in tree, bird on nest - flushed, 2 eggs in nest	URS_2011_Surveys
377	6/12/2011	MOB_2	MOB_1	Ferruginous Hawk	FEHA	3	Yes	Active	3	11T	344172	5046498	06122011_FEHA_Obs377.jpg		URS_2011_Surveys
378	4/1/2011	MOB_1	114	Unkn	UNKN	0	Yes	Inactive	NA	11T	345298	5045995	04012011_UNKN_Obs378.jpg	nest in tree	URS_2011_Surveys
378	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	345298	5045995	06122011_UNKN_Obs378.jpg		URS_2011_Surveys
379	4/1/2011	MOB_1	115	Northern Harrier	NOHA	3	No	NA	NA	11T	340900	5045516	None	birds in flight	URS_2011_Surveys
380	4/1/2011	MOB_1	116	Northern Harrier	NOHA	1	No	NA	NA	11T	343517	5046345	None	bird in flight	URS_2011_Surveys
381	4/1/2011	MOB_1	117	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	342448	5046373	None	bird in flight	URS_2011_Surveys
382	4/1/2011	MOB_1	118	Red-tailed Hawk	RTHA	1	Yes	Active		11T	340897	5046677	04012011_RTHA_Obs382.jpg	nest in tree w/ bird on nest	URS_2011_Surveys
382	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	340897	5046677	06122011_UNKN_Obs382.jpg		URS_2011_Surveys
383	4/1/2011	MOB_1	119	Short-eared Owl	SEOW	2	No	NA	NA	11T	340837	5046305	04012011_SEOW_Obs383.jpg	flushed 2 owls from ground - medium sized	URS_2011_Surveys
384	4/1/2011	MOB_1	120	Northern Harrier	NOHA	2	No	NA	NA	11T	340115	5045758	None	male & female in flight	URS_2011_Surveys
385	4/1/2011	MOB_1	121	Short-eared Owl	SEOW	2	No	NA	NA	11T	339477	5045868	04012011_SEOW_Obs385.jpg	owls in flight- short-eared owls?	URS_2011_Surveys
386	4/1/2011	MOB_1	122	Red-tailed Hawk	RTHA	2	Yes	Active		11T	341503	5045777	04012011_RTHA_Obs386.jpg	nest in tree w/ bird in nest, plus 1 in flight	URS_2011_Surveys
386	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	341503	5045777	06122011_UNKN_Obs386.jpg		URS_2011_Surveys
387	4/1/2011	MOB_1	123	Great Horned Owl	GHOW	1	Yes	Active		11T	341576	5045443	04012011_GHOW_Obs387.jpg	bird on nest - about 100 meters s of 122	URS_2011_Surveys
387	6/12/2011	MOB_2	MOB_1	Great Horned Owl	GHOW	2	Yes	Inactive	NA	11T	341576	5045443	06122011_GHOW_Obs387.jpg	flushed 2 GHOW from area around nest tree	URS_2011_Surveys
388	4/1/2011	MOB_1	124	Northern Harrier	NOHA	1	No	NA	NA	11T	343399	5045617	None	male in flight	URS_2011_Surveys
389	4/1/2011	MOB_1	125	Great Horned Owl	GHOW	1	Yes	Active		11T	339523	5045189	04012011_GHOW_Obs389.jpg	bird on nest - flushed - 3 chicks in nest	URS_2011_Surveys
389	6/12/2011	MOB_2	MOB_1	Great Horned Owl	GHOW	1	Yes	Inactive	NA	11T	339523	5045189	None	flushed GHOW from inactive nest area	URS_2011_Surveys
390	4/1/2011	MOB_1	126	Unkn	UNKN	0	Yes	Inactive	NA	11T	339505	5044432	04012011_UNKN_Obs390.jpg	large nest in tree	URS_2011_Surveys
390	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	339505	5044432	06122011_UNKN_Obs390.jpg		URS_2011_Surveys
391	4/1/2011	MOB_1	127	Northern Harrier	NOHA	1	No	NA	NA	11T	340046	5044079	None	bird in flight	URS_2011_Surveys
391	6/12/2011	MOB_2	MOB_1	Northern Harrier	NOHA	1	No	NA	NA	11T	340046	5044079	None		URS_2011_Surveys
393	4/1/2011														



Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
396	6/11/2011	MOB_2	MOB_1	Prairie Falcon	PRFA	2	No	NA	NA	11T	328874	5046055	06112011_PRFA_Obs396.jpg	inactive nest, 2 adults flying in area	URS_2011_Surveys
397	4/1/2011	MOB_1	133	Red-tailed Hawk	RTHA	1	Yes	Active		11T	338072	5046110	04012011_RTHA_Obs397.jpg	nest in tree w/ bird on nest	URS_2011_Surveys
397	6/12/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	No	NA	NA	11T	338072	5046110	None	3 RTHA flying nearby	URS_2011_Surveys
397	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	338072	5046110	06122011_UNKN_Obs397.jpg		URS_2011_Surveys
399	4/1/2011	MOB_1	135	Unkn	UNKN	0	Yes	Inactive	NA	11T	327842	5049324	04012011_UNKN_Obs399.jpg	old nest structure on rock face	URS_2011_Surveys
399	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	327842	5049324	06112011_UNKN_Obs399.jpg		URS_2011_Surveys
400	4/1/2011	MOB_1	136	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	324170	5049493	None	bird in flight	URS_2011_Surveys
401	4/1/2011	MOB_1	137	Common Raven	CORA	0	Yes	Active		11T	323821	5048784	04012011_CORA_Obs401.jpg	nest in windmill w/ 4 eggs	URS_2011_Surveys
401	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	323821	5048784	06112011_UNKN_Obs401.jpg	nest on windmill	URS_2011_Surveys
402	4/1/2011	MOB_1	138	Rough-legged Hawk	RLHA	2	No	NA	NA	11T	323084	5049286	None	birds in flight	URS_2011_Surveys
403	4/1/2011	MOB_1	139	Common Raven	CORA	2	Yes	Active		11T	321106	5050718	04012011_CORA_Obs403.jpg	nest in windmill w/ blue eggs	URS_2011_Surveys
403	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	321106	5050718	06112011_UNKN_Obs403.jpg	nest on windmill	URS_2011_Surveys
404	4/1/2011	MOB_1	141	Northern Harrier	NOHA	1	No	NA	NA	11T	317253	5051100	None	bird in flight	URS_2011_Surveys
405	4/1/2011	MOB_1	141	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	319979	5050058	None	bird perched on fence post	URS_2011_Surveys
406	4/1/2011	MOB_1	142	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	320919	5050028	None	bird in flight	URS_2011_Surveys
407	4/1/2011	MOB_1	143	Short-eared Owl	SEOW	1	No	NA	NA	11T	337177	5045429	None	flushed bird from ground - looked like short-eared owl	URS_2011_Surveys
408	4/1/2011	MOB_1	144	Unkn	UNKN	0	Yes	Inactive	NA	11T	333002	5046303	04012011_UNKN_Obs408.jpg	large nest structure on rock face	URS_2011_Surveys
408	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	333002	5046303	06112011_UNKN_Obs408.jpg		URS_2011_Surveys
409	4/16/2011	MOB_1	434	Red-tailed Hawk	RTHA	1	Yes	Active		11T	310903	5069575	04162011_RTHA_Obs409.jpg		URS_2011_Surveys
409	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	310903	5069575	06112011_UNKN_Obs409.jpg		URS_2011_Surveys
410	4/16/2011	MOB_1	435	Unkn	UNKN	0	Yes	Inactive	NA	11T	311400	5070730	None		URS_2011_Surveys
411	4/16/2011	MOB_1	436	Unkn	UNKN	0	Yes	Inactive	NA	11T	310681	5070787	04162011_UNKN_Obs411.jpg		URS_2011_Surveys
411	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	310681	5070787	06112011_UNKN_Obs411.jpg		URS_2011_Surveys
412	4/16/2011	MOB_1	437	Red-tailed Hawk	RTHA	1	Yes	Active		11T	311567	5071029	04162011_RTHA_Obs412.jpg		URS_2011_Surveys
414	4/16/2011	MOB_1	439	Unkn	UNKN	0	Yes	Inactive	NA	11T	306786	5076912	04162011_UNKN_Obs414.jpg		URS_2011_Surveys
414	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	306786	5076912	06112011_UNKN_Obs414.jpg		URS_2011_Surveys
415	4/16/2011	MOB_1	440	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	305437	5078110	None		URS_2011_Surveys
416	4/16/2011	MOB_1	441	Red-tailed Hawk	RTHA	1	Yes	Active		11T	308291	5073793	04162011_RTHA_Obs416.jpg	Hatchlings seen	URS_2011_Surveys
416	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	308291	5073793	None	2 young RTHA in poplars near nest	URS_2011_Surveys
417	4/16/2011	MOB_1	442	Unkn	UNKN	0	Yes	Inactive	NA	11T	309475	5073027	04162011_UNKN_Obs417.jpg		URS_2011_Surveys
418	4/16/2011	MOB_1	443	Unkn	UNKN	0	Yes	Inactive	NA	11T	310710	5071261	04162011_UNKN_Obs418.jpg		URS_2011_Surveys
418	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	310710	5071261	06112011_UNKN_Obs418.jpg		URS_2011_Surveys
419	4/16/2011	MOB_1	444	Swainson's Hawk	SWHA	1	Yes	Inactive	NA	11T	310530	5070381	04162011_SWHA_Obs419.jpg		URS_2011_Surveys
419	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	310530	5070381	06112011_UNKN_Obs419.jpg		URS_2011_Surveys
421	4/16/2011	MOB_1	446	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	308927	5067280	None		URS_2011_Surveys
423	4/16/2011	MOB_1	448	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	307911	5068170	None		URS_2011_Surveys
424	4/16/2011	MOB_1	449	Northern Harrier	NOHA	1	No	NA	NA	11T	308114	5069049	None		URS_2011_Surveys
426	4/16/2011	MOB_1	451	Northern Harrier	NOHA	1	No	NA	NA	11T	293122	5074840	None		URS_2011_Surveys
429	4/16/2011	MOB_1	454	Common Raven	CORA	1	Yes	Active		11T	281100	5065880	04162011_CORA_Obs429.jpg		URS_2011_Surveys
429	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	281100	5065880	06122011_UNKN_Obs429.jpg		URS_2011_Surveys
430	4/16/2011	MOB_1	455	Great Horned Owl	GHOW	2	No	NA	NA	11T	280281	5062107	None	Pair flushed, no nest located	URS_2011_Surveys
431	4/16/2011	MOB_1	456	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	280242	5061702	None	Flushed adult	URS_2011_Surveys
432	4/16/2011	MOB_1	457	Red-tailed Hawk	RTHA	1	Yes	Active		11T	279800	5061596	04162011_RTHA_Obs432.jpg	Poplar tree	URS_2011_Surveys
433	4/16/2011	MOB_1	458	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	278684	5060875	None		URS_2011_Surveys
434	4/16/2011	MOB_1	459	Great Horned Owl	GHOW	2	No	NA	NA	11T	277886	5060873	04162011_GHOW_Obs434.jpg	Flushed pair	URS_2011_Surveys
435	4/16/2011	MOB_1	460	Ferruginous Hawk	FEHA	1	No	NA	NA	11T	278080	5060807	04162011_FEHA_Obs435.jpg		URS_2011_Surveys
436	4/16/2011	MOB_1	461	Red-tailed Hawk	RTHA	1	Yes	Active		11T	278990	5061232	04162011_RTHA_Obs436.jpg	bird on nest	URS_2011_Surveys
436	6/11/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	3	11T	278990	5061232	06112011_RTHA_Obs436.jpg		URS_2011_Surveys
437	4/16/2011	MOB_1	462	Unkn	UNKN	0	Yes	Inactive	NA	11T	279733	5063521	04162011_UNKN_Obs437.jpg	green vegetation in nest	URS_2011_Surveys
438	4/16/2011	MOB_1	463	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	279706	5063241	None	May be associated with observation 437 nest.	URS_2011_Surveys
439	4/16/2011	MOB_1	464	Barn Owl	BAOW	2	No	NA	NA	11T	280409	5064572	None	Flushed	URS_2011_Surveys
439	6/12/2011	MOB_2	MOB_1	Barn Owl	BAOW	1	No	NA	NA	11T	280409	5064572	None		URS_2011_Surveys
440	4/16/2011	MOB_1	465	Northern Harrier	NOHA	2	No	NA	NA	11T	280446	5064862	None		URS_2011_Surveys
441	4/16/2011	MOB_1	466	Red-tailed Hawk	RTHA	1	Yes	Active		11T	280540	5065047	04162011_RTHA_Obs441.jpg	In juniper tree, no eggs	URS_2011_Surveys
441	6/12/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	1	Yes	Active	1	11T	280540	5065047	06122011_RTHA_Obs441.jpg		URS_2011_Surveys
442	4/16/2011	MOB_1	467	Great Horned Owl	GHOW	1	No	NA	NA	11T	280864	5065528	None		URS_2011_Surveys
443	4/16/2011	MOB_1	468	Swainson's Hawk	SWHA	1	No	NA	NA	11T	280731	5065819	04162011_SWHA_Obs443.jpg		URS_2011_Surveys
443	6/12/2011	MOB_2	MOB_1	Swainson's Hawk	SWHA	1	Yes	Active	1	11T	280731	5065819	06122011_SWHA_Obs443.jpg		URS_2011_Surveys
444	4/16/2011	MOB_1	469	Unkn	UNKN	0	Yes	Inactive	NA	11T	280890	5065807	04162011_UNKN_Obs444.jpg	early gathering of nest materials	URS_2011_Surveys
445	4/16/2011	MOB_1	470	Unkn	UNKN	0	Yes	Inactive	NA	11T	280589	5066427	04162011_UNKN_Obs445.jpg	old nest low in tree	URS_2011_Surveys
445	6/12/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	280589	5066427	None		URS_2011_Surveys
446	4/16/2011	MOB_1	471	Northern Harrier	NOHA	1	No	NA	NA	11T	280302	5067630	None	ponded area	URS_2011_Surveys
447	4/16/2011	MOB_1	472	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	280408	5070252	None		URS_2011_Surveys
448	4/16/2011	MOB_1	473	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	289426	5075359	None	bird on ground	URS_2011_Surveys
448	6/12/2011	MOB_2	MOB_1	Barn Owl	BAOW	2	No	NA	NA	11T	289426	5075359	None		URS_2011_Surveys
449	4/16/2011	MOB_1	474	Northern Harrier	NOHA	1	No	NA	NA	11T	290324	5075690	None		URS_2011_Surveys
451	4/16/2011	MOB_1	476	Northern Harrier	NOHA	1	No	NA	NA	11T	296284	5077004	None		URS_2011_Surveys
452	4/16/2011	MOB_1	478	Red-tailed Hawk	RTHA	1	Yes	Active		11T	296337	5077725	04162011_RTHA_Obs452.jpg	near pump station	URS_2011_Surveys
452	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	296337	5077725	06112011_UNKN_Obs452.jpg	2 young RTHA in area	URS_2011_Surveys
453	4/16/2011	MOB_1	479	Northern Harrier	NOHA	1	No	NA	NA	11T	296532	5079086	None	near interstate	URS_2011_Surveys
454	4/16/2011	MOB_1	480	Common Raven	CORA	1	Yes	Active		11T	300118	5079022	04162011_CORA_Obs454.jpg		URS_2011_Surveys
455	4/16/2011	MOB_1	481	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	299736	5079122	None		URS_2011_Surveys
456	4/16/2011	MOB_1	482	Red-tailed Hawk	RTHA	2	Yes	Active		11T	297919	5079179	04162011_RTHA_Obs456.jpg	2nd bird flying	URS_2011_Surveys
456	6/11/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	3	Yes	Active	3	11T	297919	5079179	06112011_RTHA_Obs456.jpg		URS_2011_Surveys
457	4/16/2011	MOB_1	483	Common Raven	CORA	1	Yes	Active		11T	295222	5079678	04162011_CORA_Obs457.jpg		URS_2011_Surveys
457	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	295222	5079678	06112011_UNKN_Obs457.jpg		URS_2011_Surveys

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
458	4/16/2011	MOB_1	484	Red-tailed Hawk	RTHA	1	Yes	Active		11T	295149	5079660	04162011_RTHA_Obs458.jpg	flushed, no eggs	URS_2011_Surveys
459	4/16/2011	MOB_1	485	Common Raven	CORA	1	Yes	Active		11T	283496	5076278	04162011_CORA_Obs459.jpg	tree next to pump station	URS_2011_Surveys
460	4/16/2011	MOB_1	486	Red-tailed Hawk	RTHA	1	Yes	Active		11T	283462	5077433	04162011_RTHA_Obs460.jpg		URS_2011_Surveys
460	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	283462	5077433	None	did not relocate due to proximity to residence	URS_2011_Surveys
462	4/16/2011	MOB_1	488	Northern Harrier	NOHA	1	No	NA	NA	11T	278895	5070226	None		URS_2011_Surveys
463	4/16/2011	MOB_1	488	Unkn	UNKN	0	Yes	Inactive	NA	11T	278895	5070226	04162011_UNKN_Obs463.jpg		URS_2011_Surveys
464	4/16/2011	MOB_1	489	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	278580	5071520	None		URS_2011_Surveys
465	4/16/2011	MOB_1	490	Unkn	UNKN	0	Yes	Inactive	NA	11T	278527	5071585	04162011_UNKN_Obs465.jpg	Ground nest in rocks	URS_2011_Surveys
466	4/16/2011	MOB_1	491	Northern Harrier	NOHA	1	No	NA	NA	11T	278297	5072372	None		URS_2011_Surveys
467	4/16/2011	MOB_1	492	Unkn	UNKN	0	Yes	Inactive	NA	11T	278185	5072543	04162011_UNKN_Obs467.jpg		URS_2011_Surveys
468	4/16/2011	MOB_1	495	Northern Harrier	NOHA	1	No	NA	NA	11T	277997	5068334	None		URS_2011_Surveys
469	4/16/2011	MOB_1	495	Unkn	UNKN	0	Yes	Inactive	NA	11T	277997	5068334	None		URS_2011_Surveys
470	4/16/2011	MOB_1	496	Rough-legged Hawk	RLHA	2	No	NA	NA	11T	277799	5067856	None		URS_2011_Surveys
471	4/16/2011	MOB_1	497	Northern Harrier	NOHA	1	No	NA	NA	11T	277824	5065359	None		URS_2011_Surveys
472	4/16/2011	MOB_1	498	Unkn	UNKN	0	Yes	Inactive	NA	11T	269408	5062125	04162011_UNKN_Obs472.jpg	Top of juniper tree.	URS_2011_Surveys
472	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	269408	5062125	06112011_UNKN_Obs472.jpg		URS_2011_Surveys
473	4/16/2011	MOB_1	499	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	277547	5061209	None		URS_2011_Surveys
474	4/16/2011	MOB_1	500	Unkn	UNKN	0	Yes	Inactive	NA	11T	271540	5060618	04162011_UNKN_Obs474.jpg		URS_2011_Surveys
474	6/11/2011	MOB_2	MOB_1	Common Raven	CORA	3	Yes	Active	3	11T	271540	5060618	06112011_CORA_Obs474.jpg	several ravens in nest tree	URS_2011_Surveys
475	4/16/2011	MOB_1	501	Barn Owl	BAOW	3	No	NA	NA	11T	268384	5060320	None	In rock face of old quarry	URS_2011_Surveys
475	6/11/2011	MOB_2	MOB_1	Barn Owl	BAOW	2	No	NA	NA	11T	268384	5060320	None		URS_2011_Surveys
476	4/16/2011	MOB_1	502	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	269624	5060062	04162011_RTHA_Obs476.jpg	Lone tree	URS_2011_Surveys
476	6/11/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	4	Yes	Active	3	11T	269624	5060062	06112011_RTHA_Obs476.jpg		URS_2011_Surveys
477	4/16/2011	MOB_1	503	Swainson's Hawk	SWHA	1	No	NA	NA	11T	276296	5059788	None		URS_2011_Surveys
479	4/16/2011	MOB_1	505	Northern Harrier	NOHA	1	No	NA	NA	11T	273152	5059638	None		URS_2011_Surveys
480	4/16/2011	MOB_1	506	Swainson's Hawk	SWHA	1	No	NA	NA	11T	269720	5058956	04162011_SWHA_Obs480.jpg		URS_2011_Surveys
481	4/16/2011	MOB_1	507	Great Horned Owl	GHOW	1	Yes	Active		11T	269709	5058550	04162011_GHOW_Obs481.jpg	Lower nest active	URS_2011_Surveys
481	6/11/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	2	Yes	Active	1	11T	269709	5058550	06112011_RTHA_Obs481.jpg	1 adult, 1 young, 2 eggs	URS_2011_Surveys
485	4/16/2011	MOB_1	511	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	271646	5056233	None		URS_2011_Surveys
486	4/16/2011	MOB_1	512	Common Raven	CORA	1	Yes	Active		11T	271192	5056747	04162011_CORA_Obs486.jpg		URS_2011_Surveys
486	6/11/2011	MOB_2	MOB_1	Common Raven	CORA	0	Yes	Inactive	NA	11T	271192	5056747	06112011_CORA_Obs486.jpg	nest in lone juniper	URS_2011_Surveys
487	4/16/2011	MOB_1	513	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	294984	5053632	04162011_RLHA_Obs487.jpg		URS_2011_Surveys
488	4/16/2011	MOB_1	514	Common Raven	CORA	1	Yes	Active		11T	298088	5053217	04162011_CORA_Obs488.jpg	Flew from nest atop transformers	URS_2011_Surveys
488	6/11/2011	MOB_2	MOB_1	Common Raven	CORA	2	Yes	Active	0	11T	298088	5053217	06112011_CORA_Obs488.jpg		URS_2011_Surveys
488	6/11/2011	MOB_2	MOB_1	Common Raven	CORA	1	Yes	Active	NA	11T	298088	5053217	None		URS_2011_Surveys
489	4/16/2011	MOB_1	515	Common Raven	CORA	1	Yes	Active		11T	303576	5054580	04162011_CORA_Obs489.jpg	Windmill	URS_2011_Surveys
489	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	303576	5054580	06112011_UNKN_Obs489.jpg	nest on windmill	URS_2011_Surveys
490	4/16/2011	MOB_1	516	Unkn	UNKN	0	Yes	Inactive	NA	11T	311173	5052573	04162011_UNKN_Obs490.jpg	Tree next to creek	URS_2011_Surveys
490	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	311173	5052573	06112011_UNKN_Obs490.jpg		URS_2011_Surveys
492	4/16/2011	MOB_1	518	Northern Harrier	NOHA	1	No	NA	NA	11T	320684	5048138	None		URS_2011_Surveys
493	4/16/2011	MOB_1	519	Golden Eagle	GOEA	1	Yes	Active		11T	326310	5044714	04162011_GOEA_Obs493.jpg		URS_2011_Surveys
493	6/11/2011	MOB_2	MOB_1	Golden Eagle	GOEA	3	Yes	Active	2	11T	326310	5044714	06112011_GOEA_Obs493.jpg	adult flying in area, 2 young had walked hillside away from nest	URS_2011_Surveys
494	4/16/2011	MOB_1	520	Common Raven	CORA	1	Yes	Active		11T	326313	5044715	04162011_CORA_Obs494.jpg	At least 4 hatchlings in nest	URS_2011_Surveys
495	4/16/2011	MOB_1	521	Golden Eagle	GOEA	0	Yes	Inactive	NA	11T	328110	5043133	04162011_GOEA_Obs495.jpg	Old nest/stick gathering	URS_2011_Surveys
495	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	328110	5043133	06112011_UNKN_Obs495.jpg		URS_2011_Surveys
496	4/16/2011	MOB_1	522	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	327751	5043315	None		URS_2011_Surveys
497	4/17/2011	MOB_1	523	Northern Harrier	NOHA	1	No	NA	NA	11T	329776	5057593	None	sage steppe	URS_2011_Surveys
498	4/17/2011	MOB_1	525	Northern Harrier	NOHA	1	No	NA	NA	11T	326476	5062250	None	cultivated wheat	URS_2011_Surveys
499	4/17/2011	MOB_1	526	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	325312	5062023	04172011_RLHA_Obs499.jpg	in plowed field	URS_2011_Surveys
500	4/17/2011	MOB_1	527	Common Raven	CORA	1	Yes	Active		11T	323389	5062094	04172011_CORA_Obs500.jpg	Tree in coral, eggs in nest	URS_2011_Surveys
500	6/11/2011	MOB_2	MOB_1	Swainson's Hawk	SWHA	1	No	NA	NA	11T	323389	5062094	06112011_SWHA_Obs500.jpg		URS_2011_Surveys
500	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	323389	5062094	06112011_UNKN_Obs500.jpg	adult SWHA flying in the area	URS_2011_Surveys
502	4/17/2011	MOB_1	529	Northern Harrier	NOHA	1	No	NA	NA	11T	320559	5061354	None	cultivated wheat	URS_2011_Surveys
504	4/17/2011	MOB_1	531	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	328364	5060566	None	fence post	URS_2011_Surveys
507	4/17/2011	MOB_1	534	Northern Harrier	NOHA	1	No	NA	NA	11T	328433	5058004	None		URS_2011_Surveys
509	4/17/2011	MOB_1	536	Common Raven	CORA	1	Yes	Active		11T	317590	5060640	04172011_CORA_Obs509.jpg	top of transofrmer	URS_2011_Surveys
509	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	317590	5060640	06112011_UNKN_Obs509.jpg		URS_2011_Surveys
512	4/17/2011	MOB_1	539	Red-tailed Hawk	RTHA	4	Yes	Active		11T	323213	5058929	04172011_RTHA_Obs512.jpg	in dead tree	URS_2011_Surveys
512	6/11/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	4	Yes	Active	2	11T	323213	5058929	06112011_RTHA_Obs512.jpg	1 unhatched egg in nest with two fledglings	URS_2011_Surveys
513	4/17/2011	MOB_1	540	Golden Eagle	GOEA	2	No	NA	NA	11T	327849	5056795	None		URS_2011_Surveys
513	6/11/2011	MOB_2	MOB_1	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	327849	5056795	None		URS_2011_Surveys
514	4/17/2011	MOB_1	541	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	328521	5052260	04172011_RTHA_Obs514.jpg	juvenile	URS_2011_Surveys
515	4/17/2011	MOB_1	542	Rough-legged Hawk	RLHA	2	No	NA	NA	11T	316009	5049575	None		URS_2011_Surveys
516	4/17/2011	MOB_1	543	Unkn	UNKN	0	Yes	Inactive	NA	11T	310401	5053085	04172011_UNKN_Obs516.jpg		URS_2011_Surveys
516	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	310401	5053085	06112011_UNKN_Obs516.jpg		URS_2011_Surveys
517	4/17/2011	MOB_1	544	Short-eared Owl	SEOW	1	No	NA	NA	11T	305634	5054145	04172011_SEOW_Obs517.jpg		URS_2011_Surveys
518	4/17/2011	MOB_1	545	Rough-legged Hawk	RLHA	2	No	NA	NA	11T	303810	5055168	None		URS_2011_Surveys
519	4/17/2011	MOB_1	546	Swainson's Hawk	SWHA	1	No	NA	NA	11T	303313	5055846	04172011_SWHA_Obs519.jpg		URS_2011_Surveys
520	4/17/2011	MOB_1	547	Northern Harrier	NOHA	1	No	NA	NA	11T	296202	5054284	None		URS_2011_Surveys
521	4/17/2011	MOB_1	548	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	295786	5054130	None		URS_2011_Surveys
523	4/17/2011	MOB_1	550	Unkn	UNKN	0	Yes	Inactive	NA	11T	292073	5055088	04172011_UNKN_Obs523.jpg	Old nest/stick gathering	URS_2011_Surveys
523	6/11/2011	MOB_2	MOB_1	Common Raven	CORA	2	Yes	Active	2	11T	292073	5055088	06112011_CORA_Obs523.jpg		URS_2011_Surveys
524	4/17/2011	MOB_1	551	Common Raven	CORA	2	Yes	Active		11T	289857	5053923	04172011_CORA_Obs524.jpg		URS_2011_Surveys
524	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	289857	5053923	06112011_UNKN_Obs524.jpg		URS_2011_Surveys
525	4/17/2011	MOB_1	552	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	290657	5055020	None		URS_2011_Surveys
526	4/17/2011	MOB_1	553	Common Raven	CORA	2	Yes	Active		11T	292537	5055511	04172011_CORA_Obs526.jpg		URS_2011_Surveys

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
526	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	292537	5055511	06112011_UNKN_Obs526.jpg		URS_2011_Surveys
527	4/17/2011	MOB_1	554	Swainson's Hawk	SWHA	2	No	NA	NA	11T	304463	5055739	04172011_SWHA_Obs527.jpg		URS_2011_Surveys
528	4/17/2011	MOB_1	555	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	305440	5055488	None		URS_2011_Surveys
529	4/17/2011	MOB_1	556	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	306935	5055503	None		URS_2011_Surveys
530	4/17/2011	MOB_1	557	Red-tailed Hawk	RTHA	1	Yes	Active		11T	310010	5054230	04172011_RTHA_Obs530.jpg	at least 1 hatchling	URS_2011_Surveys
530	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	310010	5054230	06112011_UNKN_Obs530.jpg		URS_2011_Surveys
531	4/17/2011	MOB_1	558	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	315358	5051090	None		URS_2011_Surveys
533	4/17/2011	MOB_1	560	Common Raven	CORA	1	Yes	Active		11T	315698	5052677	04172011_CORA_Obs533.jpg		URS_2011_Surveys
533	6/11/2011	MOB_2	MOB_1	Common Raven	CORA	3	Yes	Inactive	NA	11T	315698	5052677	06112011_CORA_Obs533.jpg	nest inactive, several ravens on windmill where nest is located	URS_2011_Surveys
534	4/17/2011	MOB_1	561	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	306097	5056483	None		URS_2011_Surveys
535	4/17/2011	MOB_1	562	Swainson's Hawk	SWHA	1	No	NA	NA	11T	305308	5056866	04172011_SWHA_Obs535.jpg		URS_2011_Surveys
536	4/17/2011	MOB_1	563	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	304319	5056967	None		URS_2011_Surveys
537	4/17/2011	MOB_1	563	Swainson's Hawk	SWHA	1	No	NA	NA	11T	304319	5056967	None		URS_2011_Surveys
538	4/17/2011	MOB_1	564	Rough-legged Hawk	RLHA	1	No	NA	NA	11T	303865	5056942	None		URS_2011_Surveys
539	4/17/2011	MOB_1	565	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	294827	5056439	04172011_RTHA_Obs539.jpg	juvenile, flushed off pole	URS_2011_Surveys
540	4/17/2011	MOB_1	566	Unkn	UNKN	0	Yes	Inactive	NA	11T	291955	5056674	04172011_UNKN_Obs540.jpg		URS_2011_Surveys
540	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	291955	5056674	06112011_UNKN_Obs540.jpg		URS_2011_Surveys
541	4/17/2011	MOB_1	567	Unkn	UNKN	0	Yes	Inactive	NA	11T	291709	5056210	04172011_UNKN_Obs541.jpg		URS_2011_Surveys
541	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	291709	5056210	06112011_UNKN_Obs541.jpg		URS_2011_Surveys
542	4/17/2011	MOB_1	568	Swainson's Hawk	SWHA	1	No	NA	NA	11T	287806	5055890	None		URS_2011_Surveys
543	4/17/2011	MOB_1	569	Common Raven	CORA	1	Yes	Active		11T	287547	5055842	04172011_CORA_Obs543.jpg		URS_2011_Surveys
543	6/11/2011	MOB_2	MOB_1	Unkn	UNKN	0	Yes	Inactive	NA	11T	287547	5055842	06112011_UNKN_Obs543.jpg		URS_2011_Surveys
544	4/17/2011	MOB_1	570	Common Raven	CORA	1	Yes	Active		11T	285464	5055734	04172011_CORA_Obs544.jpg		URS_2011_Surveys
544	6/11/2011	MOB_2	MOB_1	Common Raven	CORA	1	Yes	Active	Unkn	11T	285464	5055734	None		URS_2011_Surveys
545	4/17/2011	MOB_1	571	Ferruginous Hawk	FEHA	1	Yes	Active		11T	290720	5057407	04172011_FEHA_Obs545.jpg		URS_2011_Surveys
546	4/18/2011	MOB_1	1	Burrowing Owl	BUOW	1	No	NA	NA	11T	427834	4991456	None	bird in flight	URS_2011_Surveys
547	4/18/2011	MOB_1	2	Burrowing Owl	BUOW	1	No	NA	NA	11T	427546	4991962	None	bird in flight	URS_2011_Surveys
548	4/20/2011	MOB_1	9	Short-eared Owl	SEOW	1	No	NA	NA	11T	471954	4933677	None	bird in flight	URS_2011_Surveys
555	4/24/2011	MOB_1	19	Burrowing Owl	BUOW	1	No	NA	NA	11T	463639	4886217	None	bird in flight	URS_2011_Surveys
556	4/24/2011	MOB_1	20	Burrowing Owl	BUOW	1	Yes	Inactive	NA	11T	461679	4889500	None	bird in flight-landed near burrow entrance	URS_2011_Surveys
557	4/24/2011	MOB_1	21	Burrowing Owl	BUOW	2	No	NA	NA	11T	460592	4882431	None	birds in flight	URS_2011_Surveys
558	4/24/2011	MOB_1	22	Short-eared Owl	SEOW	1	No	NA	NA	11T	463369	4885197	None	bird in flight	URS_2011_Surveys
559	4/26/2011	MOB_1	23	Bald Eagle	BAEA	1	No	NA	NA	11T	464117	4874841	None	bird in flight	URS_2011_Surveys
560	4/26/2011	MOB_1	24	Ferruginous Hawk	FEHA	2	No	NA	NA	11T	462558	4870839	None	both perched on sage/both flushed	URS_2011_Surveys
560	6/8/2011	MOB_2	MOB_1	Ferruginous Hawk	FEHA	1	No	NA	NA	11T	462558	4870839	None		URS_2011_Surveys
561	4/26/2011	MOB_1	25	Golden Eagle	GOEA	1	No	NA	NA	11T	459127	4872331	None	bird dead	URS_2011_Surveys
562	4/26/2011	MOB_1	26	Ferruginous Hawk	FEHA	1	No	NA	NA	11T	457811	4873215	None	bird flushed from ground	URS_2011_Surveys
563	4/26/2011	NOGO	469	Red-tailed Hawk	RTHA	2	Yes	Active		11T	395550	5027468	None	nest on east-facing slope in a larch. Observation from woodpecker surveys.	TetraTech_2011_NOGO_Surveys
564	4/26/2011	WAGS	NA	Short-eared Owl	SEOW	1	Yes	Active		11T	354100	5042950	None	All of the nests/burrows listed had adults on/in them when discovered.	TetraTech_2011_WAGS_Surveys
565	4/26/2011	WAGS	NA	Burrowing Owl	BUOW	1	Yes	Active		11T	355150	5042600	None	All of the nests/burrows listed had adults on/in them when discovered.	TetraTech_2011_WAGS_Surveys
567	4/26/2011	WAGS	NA	Short-eared Owl	SEOW	1	Yes	Active		11T	338900	5044550	None	All of the nests/burrows listed had adults on/in them when discovered.	TetraTech_2011_WAGS_Surveys
568	4/26/2011	WAGS	NA	Red-tailed Hawk	RTHA	1	Yes	Active		11T	339500	5044450	None	All of the nests/burrows listed had adults on/in them when discovered.	TetraTech_2011_WAGS_Surveys
569	4/26/2011	WAGS	NA	Burrowing Owl	BUOW	1	Yes	Active		11T	327680	5060900	None	All of the nests/burrows listed had adults on/in them when discovered.	TetraTech_2011_WAGS_Surveys
570	4/26/2011	TVES	NA	Burrowing Owl	BUOW	1	Yes	Active		11T	329747	5054841	None	All of the nests/burrows listed had adults on/in them when discovered.	TetraTech_2011_WAGS_Surveys
571	4/26/2011	WAGS	NA	Golden Eagle	GOEA	1	No	NA	NA	11T	279548	5065875	None	Golden eagle found dead under transmission line structure.	TetraTech_2011_WAGS_Surveys
572	4/26/2011	WAGS	NA	Ferruginous Hawk	FEHA	1	Yes	Active		11T	269100	5061100	None	All of the nests/burrows listed had adults on/in them when discovered.	TetraTech_2011_WAGS_Surveys
573	4/26/2011	WAGS	NA	Great Horned Owl	GHOW	1	Yes	Active		11T	269250	5061150	None	All of the nests/burrows listed had adults on/in them when discovered.	TetraTech_2011_WAGS_Surveys
574	4/26/2011	WAGS	NA	Short-eared Owl	SEOW	1	Yes	Active		11T	275100	5057300	None	All of the nests/burrows listed had adults on/in them when discovered.	TetraTech_2011_WAGS_Surveys
575	6/6/2011	MOB_2	027-6	Swainson's Hawk	SWHA	2	No	NA	NA	11T	526508	4799130	None	In flight	URS_2011_Surveys
576	6/6/2011	MOB_2	028-6	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	526259	4799547	None	1 adult in flight	URS_2011_Surveys
577	6/6/2011	MOB_2	029-6	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	526008	4796183	06062011_RTHA_Obs577.jpg	Juvenile in flight	URS_2011_Surveys
578	6/6/2011	MOB_2	030	Great Horned Owl	GHOW	1	No	NA	NA	11T	522518	4803193	06062011_GHOW_Obs578.jpg	Adult came out of rock opening, could not identify nest	URS_2011_Surveys
579	6/6/2011	MOB_2	031	Red-tailed Hawk	RTHA	2	Yes	Active		11T	521985	4802243	06062011_RTHA_Obs579.jpg	Adult RTHA in area, one young on the nest	URS_2011_Surveys
580	6/6/2011	MOB_2	032	Red-tailed Hawk	RTHA	3	No	NA	NA	11T	518965	4804585	06062011_RTHA_Obs580.jpg	3 fledglings on ground	URS_2011_Surveys
581	6/6/2011	MOB_2	034	Barn Owl	BAOW	2	No	NA	NA	11T	513070	4809389	None	flushed 2 barn owls	URS_2011_Surveys
582	6/6/2011	MOB_2	035	Great Horned Owl	GHOW	1	No	NA	NA	11T	511017	4810308	None	Flushed GHOW and BAOW, PRFA in flight in vicinity	URS_2011_Surveys
583	6/6/2011	MOB_2	036	Common Raven	CORA	2	Yes	Active	0	11T	510893	4810741	None	Raven on nest, BAOW flushed nearby.	URS_2011_Surveys
584	6/6/2011	MOB_2	037	Barn Owl	BAOW	5	No	NA	NA	11T	510852	4810970	None	Flushed 5 owls	URS_2011_Surveys
585	6/6/2011	MOB_2	038	Great Horned Owl	GHOW	1	No	NA	NA	11T	506622	4814512	06062011_GHOW_Obs585.jpg	In flight	URS_2011_Surveys
586	6/6/2011	MOB_2	039	Barn Owl	BAOW	1	Yes	Active	NA	11T	506021	4813976	None	Barn owl on nest, no eggs or young	URS_2011_Surveys
587	6/6/2011	MOB_2	040	Short-eared Owl	SEOW	3	No	NA	NA	11T	505618	4816322	None	Flushed 3 owls	URS_2011_Surveys
588	6/6/2011	MOB_2	041	Golden Eagle	GOEA	3	Yes	Active	1	11T	503800	4815244	06062011_GOEA_Obs588.jpg	3 golden eagles in flight in the area, 1 young.	URS_2011_Surveys
589	6/6/2011	MOB_2	043	Short-eared Owl	SEOW	3	No	NA	NA	11T	502738	4814154	None	Flushed 2 SEOW, unidentified falcon flying in the area	URS_2011_Surveys
590	6/6/2011	MOB_2	044	Golden Eagle	GOEA	1	No	NA	NA	11T	503875	4815695	None	GOEA flushed from rocks	URS_2011_Surveys
591	6/6/2011	MOB_2	045	Barn Owl	BAOW	1	No	NA	NA	11T	503616	4815452	None	Flushed from rocks	URS_2011_Surveys
592	6/6/2011	MOB_2	046	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	504388	4813110	None	Juvenile RTHA perched on rocks, flushed BAOW in area	URS_2011_Surveys
593	6/6/2011	MOB_2	047	Common Raven	CORA	3	Yes	Active	2	11T	504290	4813286	06062011_CORA_Obs593.jpg	Adult on nest with at least 2 chicks	URS_2011_Surveys
594	6/6/2011	MOB_2	048	Great Horned Owl	GHOW	4	No	NA	NA	11T	503890	4813733	None	Flushed 4 GHOW, 2 PRFA hunting in area	URS_2011_Surveys
595	6/6/2011	MOB_2	048-2	Prairie Falcon	PRFA	2	No	NA	NA	11T	503890	4813733	06062011_PRFA_Obs595.jpg	2 PRFA hunting, flushed 4 GHOW in area	URS_2011_Surveys
596	6/6/2011	MOB_2	049	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	504287	4813460	06062011_RTHA_Obs596.jpg	perched on rock	URS_2011_Surveys
597	6/6/2011	MOB_2	051	Unkn	UNKN	0	Yes	Inactive	NA	11T	515001	4810440	06062011_UNKN_Obs597.jpg		URS_2011_Surveys
598	6/6/2011	MOB_2	052-6	Swainson's Hawk	SWHA	5	No	NA	NA	11T	516649	4810274	06062011_SWHA_Obs598.jpg	5 SWHA in flight	URS_2011_Surveys
599	6/6/2011	MOB_2	053	Unkn	UNKN	0	Yes	Inactive	NA	11T	520066	4807757	None	Nest in dead deciduous tree adjacent to ag field	URS_2011_Surveys
600	6/6/2011	MOB_2	054	Unkn	UNKN	0	Yes	Inactive	NA	11T	520510	4807346	06062011_UNKN_Obs600.jpg	Nest in deciduous tree adjacent to ag field	URS_2011_Surveys
601	6/6/2011	MOB_2	055	Swainson's Hawk	SWHA	1	No	NA	NA	11T	520404	4807354	06062011_SWHA_Obs601.jpg	Light juvenile in flight	URS_2011_Surveys
602	6/6/2011	MOB_2	056	Swainson's Hawk	SWHA	1	No	NA	NA	11T	527169	4801131	None	in flight	URS_2011_Surveys



Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
603	6/6/2011	MOB_2	057	Barn Owl	BAOW	3	No	NA	NA	11T	526339	4800050	None		URS_2011_Surveys
604	6/6/2011	MOB_2	058	Red-tailed Hawk	RTHA	2	Yes	Active	1	11T	519682	4806039	06062011_RTHA_Obs604.jpg	Flushed adult from nest, 1 hatchling in nest on rock face, food item in nest is snake	URS_2011_Surveys
605	6/6/2011	MOB_2	059	Prairie Falcon	PRFA	2	Yes	Active	2	11T	519317	4806731	06062011_PRFA_Obs605.jpg	2 young in scrape, 1 unhatched egg	URS_2011_Surveys
606	6/6/2011	MOB_2	060	Unid Owl	UNOW	1	No	NA	NA	11T	512407	4810948	None	flushed	URS_2011_Surveys
607	6/6/2011	MOB_2	062	Prairie Falcon	PRFA	2	Yes	Active	2	11T	504163	4814620	06062011_PRFA_Obs607.jpg		URS_2011_Surveys
608	6/6/2011	MOB_2	063	Burrowing Owl	BUOW	1	No	NA	NA	11T	502076	4818969	None		URS_2011_Surveys
609	6/6/2011	MOB_2	064	American Kestrel	AMKE	1	No	NA	NA	11T	500427	4820419	None	kestrel flushed from rock face	URS_2011_Surveys
610	6/6/2011	MOB_2	065	Common Raven	CORA	1	Yes	Active	1	11T	498288	4824304	06062011_CORA_Obs610.jpg	1 young in nest	URS_2011_Surveys
611	6/6/2011	MOB_2	066	Unkn	UNKN	0	Yes	Inactive	NA	11T	496383	4823447	06062011_UNKN_Obs611.jpg	nest in deciduous tree	URS_2011_Surveys
612	6/6/2011	MOB_2	067	Unkn	UNKN	0	Yes	Inactive	NA	11T	496207	4823392	06062011_UNKN_Obs612.jpg	nest in Russian olive	URS_2011_Surveys
613	6/6/2011	MOB_2	068	Unkn	UNKN	0	Yes	Inactive	NA	11T	496101	4823393	06062011_UNKN_Obs613.jpg	nest in Russian olive	URS_2011_Surveys
614	6/6/2011	MOB_2	069	Unkn	UNKN	0	Yes	Inactive	NA	11T	495989	4823359	06062011_UNKN_Obs614.jpg	nest in Russian olive	URS_2011_Surveys
615	6/6/2011	MOB_2	070	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	495462	4826696	None	1 adult and 1 juvenile flushed from cottonwood tree along river	URS_2011_Surveys
616	6/6/2011	MOB_2	071	Unkn	UNKN	0	Yes	Inactive	NA	11T	497155	4825315	06062011_UNKN_Obs616.jpg	blood feathers in nest, looks like a young bird was depredated in the nest	URS_2011_Surveys
617	6/6/2011	MOB_2	778	Red-tailed Hawk	RTHA	2	Yes	Active	2	11T	522520	4803133	06062011_RTHA_Obs617.jpg		URS_2011_Surveys
618	6/7/2011	MOB_2	802	Ferruginous Hawk	FEHA	0	Yes	Inactive	NA	11T	482821	4848281	06072011_FEHA_Obs618.jpg		URS_2011_Surveys
619	6/7/2011	MOB_2	806	Ferruginous Hawk	FEHA	0	Yes	Inactive	NA	11T	478026	4851534	06072011_FEHA_Obs619.jpg		URS_2011_Surveys
620	6/7/2011	MOB_2	810	Burrowing Owl	BUOW	0	Yes	Inactive	NA	11T	470460	4858351	None	no sightings near historical observation	URS_2011_Surveys
621	6/7/2011	MOB_2	028	Unkn	UNKN	0	Yes	Inactive	NA	11T	480955	4851186	06072011_UNKN_Obs621.jpg	Nest in Russian olive	URS_2011_Surveys
622	6/7/2011	MOB_2	041	Common Raven	CORA	2	Yes	Active	2	11T	485213	4845622	06072011_CORA_Obs622.jpg	2 young in nest	URS_2011_Surveys
623	6/7/2011	MOB_2	052	Ferruginous Hawk	FEHA	6	Yes	Active	5	11T	482505	4849146	06072011_FEHA_Obs623.jpg	5 young in large stick nest on rock outcrop, adult FEHA nearby	URS_2011_Surveys
624	6/7/2011	MOB_2	072	Great Horned Owl	GHOW	1	No	NA	NA	11T	502335	4819889	06072011_GHOW_Obs624.jpg	Flushed 1 fledgeling great-horned owl from Russian olive tree near canal	URS_2011_Surveys
625	6/7/2011	MOB_2	073	Unkn	UNKN	0	Yes	Inactive	NA	11T	503272	4819122	06072011_UNKN_Obs625.jpg		URS_2011_Surveys
626	6/7/2011	MOB_2	074	Swainson's Hawk	SWHA	30	No	NA	NA	11T	505381	4818461	None	Kettle of raptors soaring over agricultural fields	URS_2011_Surveys
628	6/7/2011	MOB_2	077	Swainson's Hawk	SWHA	4	Yes	Active	3	11T	506890	4816917	06072011_SWHA_Obs628.jpg	1 adult, 3 eggs in nest	URS_2011_Surveys
629	6/7/2011	MOB_2	078	Barn Owl	BAOW	1	No	NA	NA	11T	507005	4816518	None	flushed BAOW	URS_2011_Surveys
630	6/7/2011	MOB_2	079	Golden Eagle	GOEA	2	No	NA	NA	11T	492634	4824626	None	2 GOEA in flight	URS_2011_Surveys
631	6/7/2011	MOB_2	080	Unkn	UNKN	0	Yes	Inactive	NA	11T	491506	4835192	06072011_UNKN_Obs631.jpg	Large nest in cottonwood tree	URS_2011_Surveys
632	6/7/2011	MOB_2	081	Short-eared Owl	SEOW	2	No	NA	NA	11T	492215	4833068	None	Flushed 2 SEOW	URS_2011_Surveys
633	6/7/2011	MOB_2	082	Great Horned Owl	GHOW	1	No	NA	NA	11T	491973	4833065	None	Flushed GHOW	URS_2011_Surveys
634	6/7/2011	MOB_2	085	Great Horned Owl	GHOW	2	No	NA	NA	11T	492933	4831448	None	Flushed 2 GHOW	URS_2011_Surveys
635	6/7/2011	MOB_2	085	Short-eared Owl	SEOW	2	No	NA	NA	11T	492933	4831448	None	Flushed 2 SEOW	URS_2011_Surveys
636	6/7/2011	MOB_2	086	Unkn	UNKN	0	Yes	Inactive	NA	11T	493589	4830596	06072011_UNKN_Obs636.jpg	Nest in cottonwood tree	URS_2011_Surveys
637	6/7/2011	MOB_2	087	Great Horned Owl	GHOW	4	No	NA	NA	11T	493424	4830770	06072011_GHOW_Obs637.jpg	Flushed 4 GHOW and 1 BAOW	URS_2011_Surveys
638	6/7/2011	MOB_2	088	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	493417	4830382	06072011_RTHA_Obs638.jpg	2 RTHA in flight	URS_2011_Surveys
639	6/7/2011	MOB_2	089	Barn Owl	BAOW	2	No	NA	NA	11T	493758	4829658	None	Flushed 2 BAOW	URS_2011_Surveys
640	6/7/2011	MOB_2	090	Swainson's Hawk	SWHA	1	Yes	Inactive	NA	11T	495003	4829383	06072011_SWHA_Obs640.jpg	Swainson's hawk in vicinity of nest	URS_2011_Surveys
641	6/7/2011	MOB_2	091	Great Horned Owl	GHOW	1	Yes	Inactive	NA	11T	494773	4829375	06072011_GHOW_Obs641.jpg	Flushed GHOW from tree with nest in it	URS_2011_Surveys
642	6/7/2011	MOB_2	092	American Kestrel	AMKE	1	No	NA	NA	11T	495199	4829125	None	Adult Male kestrel in flight	URS_2011_Surveys
643	6/7/2011	MOB_2	093	Unkn	UNKN	0	Yes	Inactive	NA	11T	495225	4827425	06072011_UNKN_Obs643.jpg	Nest in dead cottonwood	URS_2011_Surveys
644	6/7/2011	MOB_2	094	Red-tailed Hawk	RTHA	3	No	NA	NA	11T	473677	4858702	None	Flushed 1 adult and 2 young	URS_2011_Surveys
645	6/7/2011	MOB_2	095	Golden Eagle	GOEA	1	No	NA	NA	11T	475351	4858473	None	in flight	URS_2011_Surveys
646	6/7/2011	MOB_2	096	Ferruginous Hawk	FEHA	1	No	NA	NA	11T	480496	4855764	None	in flight	URS_2011_Surveys
647	6/7/2011	MOB_2	097	Unkn	UNKN	0	Yes	Inactive	NA	11T	481128	4851761	06072011_UNKN_Obs647.jpg	nest in Russian olive tree	URS_2011_Surveys
648	6/7/2011	MOB_2	098	Unkn	UNKN	0	Yes	Inactive	NA	11T	481116	4851896	06072011_UNKN_Obs648.jpg		URS_2011_Surveys
649	6/7/2011	MOB_2	099	Unkn	UNKN	0	Yes	Inactive	NA	11T	481050	4852094	06072011_UNKN_Obs649.jpg		URS_2011_Surveys
650	6/7/2011	MOB_2	520	Unkn	UNKN	0	Yes	Inactive	NA	11T	487771	4839286	06072011_UNKN_Obs650.jpg		URS_2011_Surveys
651	6/7/2011	MOB_2	747B	Golden Eagle	GOEA	1	No	NA	NA	11T	483196	4846874	06072011_GOEA_Obs651.jpg	perched juvenile 1st year GOEA	URS_2011_Surveys
652	6/7/2011	MOB_2	748B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	485314	4845296	None	Flushed adult RTHA from tree	URS_2011_Surveys
653	6/7/2011	MOB_2	749	Unkn	UNKN	0	Yes	Inactive	NA	11T	487723	4842250	06072011_UNKN_Obs653.jpg		URS_2011_Surveys
654	6/7/2011	MOB_2	750	American Kestrel	AMKE	1	No	NA	NA	11T	487711	4842102	None	Flushed from creek bottom	URS_2011_Surveys
655	6/7/2011	MOB_2	751	Unkn	UNKN	0	Yes	Inactive	NA	11T	487602	4842684	06072011_UNKN_Obs655.jpg		URS_2011_Surveys
656	6/7/2011	MOB_2	752	American Kestrel	AMKE	1	No	NA	NA	11T	487276	4842371	None		URS_2011_Surveys
657	6/7/2011	MOB_2	753B	American Kestrel	AMKE	1	No	NA	NA	11T	490659	4838869	None		URS_2011_Surveys
658	6/7/2011	MOB_2	754B	Unid Falcon	UNFA	1	No	NA	NA	11T	494136	4839262	None		URS_2011_Surveys
659	6/7/2011	MOB_2	755B	Unkn	UNKN	0	Yes	Inactive	NA	11T	491651	4839523	06072011_UNKN_Obs659.jpg	2 large nests on cliff	URS_2011_Surveys
660	6/7/2011	MOB_2	756B	Unkn	UNKN	0	Yes	Inactive	NA	11T	491528	4838264	06072011_UNKN_Obs660.jpg	1 large nest on cliff	URS_2011_Surveys
661	6/7/2011	MOB_2	757	Prairie Falcon	PRFA	1	No	NA	NA	11T	486106	4840277	None	Flushed PRFA	URS_2011_Surveys
662	6/7/2011	MOB_2	758	Unkn	UNKN	0	Yes	Inactive	NA	11T	483834	4841016	06072011_UNKN_Obs662.jpg		URS_2011_Surveys
664	6/7/2011	MOB_2	760	Unkn	UNKN	0	Yes	Inactive	NA	11T	483989	4839633	06072011_UNKN_Obs664.jpg		URS_2011_Surveys
665	6/7/2011	MOB_2	761	Unkn	UNKN	0	Yes	Inactive	NA	11T	484471	4842456	06072011_UNKN_Obs665.jpg		URS_2011_Surveys
666	6/7/2011	MOB_2	762	Prairie Falcon	PRFA	4	Yes	Active	2	11T	484556	4842150	06072011_PRFA_Obs666.jpg	Flushed 2 adult PRFA, 2 young on scrape	URS_2011_Surveys
667	6/7/2011	MOB_2	763	Swainson's Hawk	SWHA	1	No	NA	NA	11T	503271	4819123	None	In flight	URS_2011_Surveys
668	6/7/2011	MOB_2	764	Unkn	UNKN	0	Yes	Inactive	NA	11T	472639	4853314	06072011_UNKN_Obs668.jpg		URS_2011_Surveys
669	6/7/2011	MOB_2	765	Golden Eagle	GOEA	1	Yes	Active	1	11T	472604	4853194	06072011_GOEA_Obs669.jpg	1 GOEA young in nest	URS_2011_Surveys
670	6/7/2011	MOB_2	766	Prairie Falcon	PRFA	3	Yes	Active	2	11T	472734	4852854	06072011_PRFA_Obs670.jpg		URS_2011_Surveys
671	6/7/2011	MOB_2	767	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	477647	4852894	06072011_RTHA_Obs671.jpg	In flight	URS_2011_Surveys
672	6/7/2011	MOB_2	768	Northern Harrier	NOHA	1	No	NA	NA	11T	480058	4850663	None	Flushed from tree	URS_2011_Surveys
673	6/7/2011	MOB_2	769	Prairie Falcon	PRFA	2	No	NA	NA	11T	480420	4845565	None	Flushed 2 PRFA from rock point	URS_2011_Surveys
674	6/7/2011	MOB_2	770	Unkn	UNKN	0	Yes	Inactive	NA	11T	481586	4844274	06072011_UNKN_Obs674.jpg		URS_2011_Surveys
675	6/7/2011	MOB_2	771	Northern Harrier	NOHA	1	No	NA	NA	11T	482387	4843224	None	In flight	URS_2011_Surveys
676	6/7/2011	MOB_2	772	Golden Eagle	GOEA	2	Yes	Active	2	11T	481751	4842267	06072011_GOEA_Obs676.jpg	2 GOEA young on nest	URS_2011_Surveys
677	6/7/2011	MOB_2	773	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	482444	4846782	06072011_RTHA_Obs677.jpg	Flushed from sagebrush	URS_2011_Surveys
678	6/7/2011	MOB_2	775	Unkn	UNKN	0	Yes	Inactive	NA	11T	480388	4852484	06072011_UNKN_Obs678.jpg		URS_2011_Surveys
679	6/7/2011	MOB_2	776B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	479103	4854410	None	In flight	URS_2011_Surveys
681	6/7/2011	MOB_2	778B	Prairie Falcon	PRFA	2	No	NA	NA	11T	474162	4857953	None	Flushed from power line	URS_2011_Surveys

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
682	6/7/2011	MOB_2	779	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	473252	4858014	None	Juvenile RTHA in flight	URS_2011_Surveys
683	6/7/2011	MOB_2	780B	Ferruginous Hawk	FEHA	2	No	NA	NA	11T	471659	4858112	06072011_FEHA_Obs683.jpg	2 FEHA chasing GOEA, likely FEHA nest in area but could not locate	URS_2011_Surveys
684	6/7/2011	MOB_2	780B	Golden Eagle	GOEA	1	No	NA	NA	11T	471659	4858112	None	GOEA being chased by 2 FEHA	URS_2011_Surveys
685	6/7/2011	MOB_2	781B	Unkn	UNKN	0	Yes	Inactive	NA	11T	470346	4857027	06072011_UNKN_Obs685.jpg		URS_2011_Surveys
686	6/7/2011	MOB_2	782B	Unkn	UNKN	0	Yes	Inactive	NA	11T	470182	4856791	06072011_UNKN_Obs686.jpg		URS_2011_Surveys
687	6/7/2011	MOB_2	783B	Unkn	UNKN	0	Yes	Inactive	NA	11T	470110	4856528	06072011_UNKN_Obs687.jpg		URS_2011_Surveys
688	6/7/2011	MOB_2	784B	Unkn	UNKN	0	Yes	Inactive	NA	11T	469974	4856320	06072011_UNKN_Obs688.jpg		URS_2011_Surveys
690	6/7/2011	MOB_2	786B	Northern Harrier	NOHA	1	No	NA	NA	11T	467521	4859481	None	In flight	URS_2011_Surveys
691	6/7/2011	MOB_2	787B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	464957	4860121	None		URS_2011_Surveys
692	6/7/2011	MOB_2	788B	Northern Harrier	NOHA	1	No	NA	NA	11T	467084	4858657	None		URS_2011_Surveys
693	6/7/2011	MOB_2	789B	Northern Harrier	NOHA	1	No	NA	NA	11T	467872	4858104	None		URS_2011_Surveys
694	6/7/2011	MOB_2	790B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	467991	4858526	None		URS_2011_Surveys
695	6/7/2011	MOB_2	791B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	469481	4857970	None		URS_2011_Surveys
697	6/7/2011	MOB_2	792B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	470321	4857159	None		URS_2011_Surveys
698	6/7/2011	MOB_2	793B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	481898	4846284	None		URS_2011_Surveys
699	6/7/2011	MOB_2	794B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	482750	4844251	None		URS_2011_Surveys
700	6/7/2011	MOB_2	795	Unkn	UNKN	0	Yes	Inactive	NA	11T	483131	4843525	06072011_UNKN_Obs700.jpg		URS_2011_Surveys
701	6/7/2011	MOB_2	796	Unkn	UNKN	0	Yes	Inactive	NA	11T	483773	4844388	06072011_UNKN_Obs701.jpg	5 inactive nest on rock face	URS_2011_Surveys
702	6/7/2011	MOB_2	797B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	493099	4828197	None		URS_2011_Surveys
703	6/7/2011	MOB_2	774	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	481739	4848158	06072011_RTHA_Obs703.jpg		URS_2011_Surveys
704	6/8/2011	MOB_2	575	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	463051	4868046	06082011_RTHA_Obs704.jpg	Juvenile RTHA flushed	URS_2011_Surveys
705	6/8/2011	MOB_2	576	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	462329	4871399	None	Juvenile RTHA in flight	URS_2011_Surveys
706	6/8/2011	MOB_2	577	Great Horned Owl	GHOW	4	No	NA	NA	11T	462499	4873043	06082011_GHOW_Obs706.jpg	Flushed	URS_2011_Surveys
707	6/8/2011	MOB_2	578	Unkn	UNKN	0	Yes	Inactive	NA	11T	461915	4872790	06082011_UNKN_Obs707.jpg	Small nest on rock face	URS_2011_Surveys
708	6/8/2011	MOB_2	579	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	463470	4876355	None	Juvenile RTHA in flight	URS_2011_Surveys
709	6/8/2011	MOB_2	580	Common Raven	CORA	3	Yes	Active	3	11T	463228	4877038	06082011_CORA_Obs709.jpg		URS_2011_Surveys
710	6/8/2011	MOB_2	581	Red-tailed Hawk	RTHA	3	No	NA	NA	11T	461607	4874103	None	2 adult and 1 juvenile RTHA in flight	URS_2011_Surveys
711	6/8/2011	MOB_2	582	Common Raven	CORA	1	Yes	Active	1	11T	461490	4872602	06082011_CORA_Obs711.jpg		URS_2011_Surveys
712	6/8/2011	MOB_2	583	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	461404	4869743	None	2 juvenile RTHA, 1 in flight 1 on rocks	URS_2011_Surveys
713	6/8/2011	MOB_2	584	American Kestrel	AMKE	1	No	NA	NA	11T	461511	4867712	06082011_AMKE_Obs713.jpg		URS_2011_Surveys
714	6/8/2011	MOB_2	585	Unkn	UNKN	0	Yes	Inactive	NA	11T	461797	4867828	06082011_UNKN_Obs714.jpg		URS_2011_Surveys
715	6/8/2011	MOB_2	586	Unkn	UNKN	0	Yes	Inactive	NA	11T	462075	4865277	06082011_UNKN_Obs715.jpg		URS_2011_Surveys
716	6/8/2011	MOB_2	587	Unkn	UNKN	0	Yes	Inactive	NA	11T	462063	4865241	06082011_UNKN_Obs716.jpg		URS_2011_Surveys
717	6/8/2011	MOB_2	588	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	460964	4869443	06082011_RTHA_Obs717.jpg		URS_2011_Surveys
718	6/8/2011	MOB_2	589	Unkn	UNKN	0	Yes	Inactive	NA	11T	461024	4874824	06082011_UNKN_Obs718.jpg		URS_2011_Surveys
719	6/8/2011	MOB_2	590	Red-tailed Hawk	RTHA	3	Yes	Active	1	11T	460741	4875258	06082011_RTHA_Obs719.jpg		URS_2011_Surveys
720	6/8/2011	MOB_2	591	Unkn	UNKN	0	Yes	Inactive	NA	11T	460638	4875680	06082011_UNKN_Obs720.jpg		URS_2011_Surveys
721	6/8/2011	MOB_2	592	Prairie Falcon	PRFA	1	No	NA	NA	11T	461265	4877539	None		URS_2011_Surveys
722	6/8/2011	MOB_2	593	Unkn	UNKN	0	Yes	Inactive	NA	11T	461358	4877532	06082011_UNKN_Obs722.jpg		URS_2011_Surveys
723	6/8/2011	MOB_2	594	Unkn	UNKN	0	Yes	Inactive	NA	11T	459591	4872381	06082011_UNKN_Obs723.jpg		URS_2011_Surveys
724	6/8/2011	MOB_2	595	Prairie Falcon	PRFA	5	Yes	Active	3	11T	459222	4871435	06082011_PRFA_Obs724.jpg	3 young, 2 adults in area	URS_2011_Surveys
725	6/8/2011	MOB_2	596	Unkn	UNKN	0	Yes	Inactive	NA	11T	460273	4868335	06082011_UNKN_Obs725.jpg		URS_2011_Surveys
726	6/8/2011	MOB_2	597	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	460226	4867974	None		URS_2011_Surveys
727	6/8/2011	MOB_2	598	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	460721	4866540	06082011_RTHA_Obs727.jpg		URS_2011_Surveys
728	6/8/2011	MOB_2	599	Unkn	UNKN	0	Yes	Inactive	NA	11T	460773	4865615	06082011_UNKN_Obs728.jpg		URS_2011_Surveys
729	6/8/2011	MOB_2	600	Prairie Falcon	PRFA	1	No	NA	NA	11T	460798	4865482	None		URS_2011_Surveys
730	6/8/2011	MOB_2	601	Unkn	UNKN	0	Yes	Inactive	NA	11T	460954	4864824	06082011_UNKN_Obs730.jpg		URS_2011_Surveys
731	6/8/2011	MOB_2	602	Golden Eagle	GOEA	2	Yes	Active	2	11T	460969	4862270	06082011_GOEA_Obs731.jpg		URS_2011_Surveys
732	6/8/2011	MOB_2	603	Unkn	UNKN	0	Yes	Inactive	NA	11T	460823	4862143	06082011_UNKN_Obs732.jpg		URS_2011_Surveys
733	6/8/2011	MOB_2	604	American Kestrel	AMKE	1	No	NA	NA	11T	461223	4862605	None		URS_2011_Surveys
734	6/8/2011	MOB_2	605	Unkn	UNKN	0	Yes	Active	0	11T	461141	4863099	06082011_UNKN_Obs734.jpg	molt feathers and other sign indicating activity	URS_2011_Surveys
735	6/8/2011	MOB_2	605	Golden Eagle	GOEA	1	No	NA	NA	11T	461141	4863099	None	flushed from rocks, active GOEA nest nearby at 602	URS_2011_Surveys
736	6/8/2011	MOB_2	606	Unkn	UNKN	0	Yes	Inactive	NA	11T	461208	4863320	06082011_UNKN_Obs736.jpg		URS_2011_Surveys
737	6/8/2011	MOB_2	607	Unkn	UNKN	0	Yes	Inactive	NA	11T	461729	4863028	06082011_UNKN_Obs737.jpg		URS_2011_Surveys
738	6/8/2011	MOB_2	608	Unkn	UNKN	0	Yes	Inactive	NA	11T	461727	4862860	06082011_UNKN_Obs738.jpg	flushed unid falcon nearby	URS_2011_Surveys
739	6/8/2011	MOB_2	609	Unkn	UNKN	0	Yes	Inactive	NA	11T	461683	4862731	06082011_UNKN_Obs739.jpg		URS_2011_Surveys
740	6/8/2011	MOB_2	610	Barn Owl	BAOW	1	No	NA	NA	11T	461664	4862655	None		URS_2011_Surveys
741	6/8/2011	MOB_2	611	Unkn	UNKN	0	Yes	Inactive	NA	11T	460582	4863916	06082011_UNKN_Obs741.jpg		URS_2011_Surveys
742	6/8/2011	MOB_2	612	Short-eared Owl	SEOW	1	No	NA	NA	11T	463551	4882389	None		URS_2011_Surveys
743	6/8/2011	MOB_2	613	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	459865	4885924	None		URS_2011_Surveys
744	6/8/2011	MOB_2	614	Unkn	UNKN	0	Yes	Inactive	NA	11T	458709	4882212	06082011_UNKN_Obs744.jpg		URS_2011_Surveys
745	6/8/2011	MOB_2	615	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	457743	4897438	None		URS_2011_Surveys
746	6/8/2011	MOB_2	616	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	459321	4892538	None		URS_2011_Surveys
747	6/8/2011	MOB_2	617	Northern Harrier	NOHA	1	No	NA	NA	11T	459855	4891139	None		URS_2011_Surveys
748	6/8/2011	MOB_2	618	Unkn	UNKN	0	Yes	Inactive	NA	11T	453833	4897201	06082011_UNKN_Obs748.jpg		URS_2011_Surveys
749	6/8/2011	MOB_2	619	Golden Eagle	GOEA	1	Yes	Active	1	11T	454181	4897126	06082011_GOEA_Obs749.jpg	1 young on nest, 2 other nest structures nearby	URS_2011_Surveys
750	6/8/2011	MOB_2	620	Unkn	UNKN	0	Yes	Inactive	NA	11T	454450	4896793	06082011_UNKN_Obs750.jpg		URS_2011_Surveys
751	6/8/2011	MOB_2	621	Burrowing Owl	BUOW	1	No	NA	NA	11T	458251	4890200	None	Flushed BUOW	URS_2011_Surveys
752	6/9/2011	MOB_2	622	Unkn	UNKN	0	Yes	Inactive	NA	11T	453870	4902459	06092011_UNKN_Obs752.jpg		URS_2011_Surveys
753	6/9/2011	MOB_2	623	Unkn	UNKN	0	Yes	Inactive	NA	11T	453948	4902389	06092011_UNKN_Obs753.jpg		URS_2011_Surveys
754	6/9/2011	MOB_2	624	Barn Owl	BAOW	1	No	NA	NA	11T	454039	4902396	None		URS_2011_Surveys
755	6/9/2011	MOB_2	625	Prairie Falcon	PRFA	5	Yes	Active	4	11T	454039	4902396	06092011_PRFA_Obs755.jpg	1 adult in flight, 4 chicks on scrape	URS_2011_Surveys
756	6/9/2011	MOB_2	626	Red-tailed Hawk	RTHA	3	Yes	Active	3	11T	454135	4902399	06092011_RTHA_Obs756.jpg		URS_2011_Surveys
757	6/9/2011	MOB_2	627	Unkn	UNKN	0	Yes	Inactive	NA	11T	454754	4902549	06092011_UNKN_Obs757.jpg		URS_2011_Surveys
758	6/9/2011	MOB_2	629	Unkn	UNKN	0	Yes	Inactive	NA	11T	457584	4901711	06092011_UNKN_Obs758.jpg		URS_2011_Surveys
759	6/9/2011	MOB_2	630	Golden Eagle	GOEA	1	No	NA	NA	11T	457276	4902087	None		URS_2011_Surveys

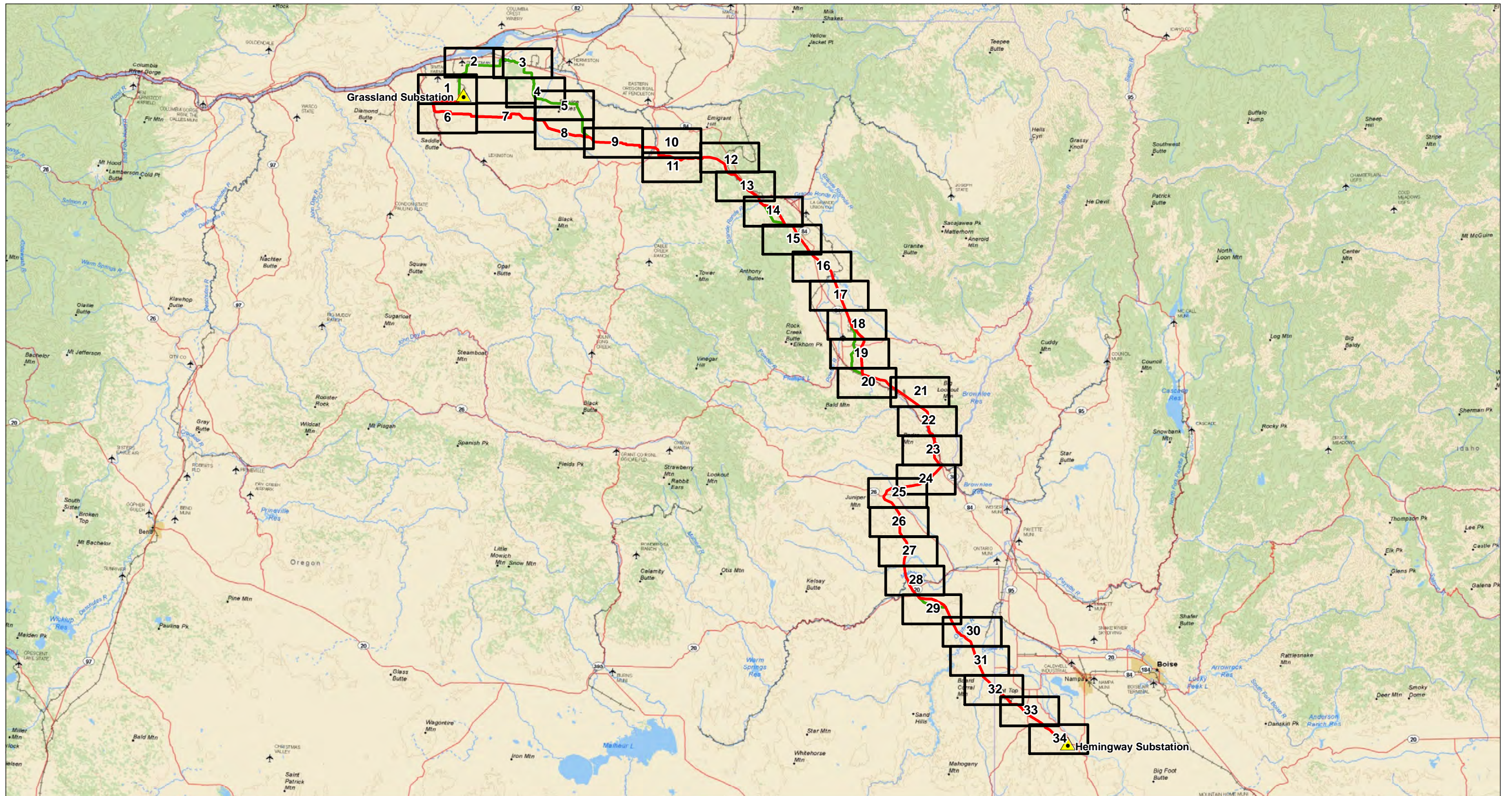
Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
760	6/9/2011	MOB_2	631	Unkn	UNKN	0	Yes	Inactive	NA	11T	456875	4901930	06092011_UNKN_Obs760.jpg		URS_2011_Surveys
761	6/9/2011	MOB_2	632	Unkn	UNKN	0	Yes	Inactive	NA	11T	456585	4902369	06092011_UNKN_Obs761.jpg		URS_2011_Surveys
762	6/9/2011	MOB_2	633	Barn Owl	BAOW	2	No	NA	NA	11T	455741	4903264	None		URS_2011_Surveys
763	6/9/2011	MOB_2	634	Unkn	UNKN	0	Yes	Inactive	NA	11T	455757	4903613	06092011_UNKN_Obs763.jpg		URS_2011_Surveys
764	6/9/2011	MOB_2	635	Barn Owl	BAOW	1	No	NA	NA	11T	455825	4904141	None		URS_2011_Surveys
765	6/9/2011	MOB_2	636	Unkn	UNKN	0	Yes	Inactive	NA	11T	455669	4904655	06092011_UNKN_Obs765.jpg		URS_2011_Surveys
766	6/9/2011	MOB_2	637	Prairie Falcon	PRFA	5	Yes	Active	4	11T	455373	4905230	06092011_PRFA_Obs766.jpg		URS_2011_Surveys
767	6/9/2011	MOB_2	638	Barn Owl	BAOW	2	Yes	Active	2	11T	454473	4906365	06092011_BAOW_Obs767.jpg		URS_2011_Surveys
768	6/9/2011	MOB_2	639	American Kestrel	AMKE	1	No	NA	NA	11T	454420	4906548	None		URS_2011_Surveys
769	6/9/2011	MOB_2	640	Unkn	UNKN	0	Yes	Inactive	NA	11T	456391	4903831	06092011_UNKN_Obs769.jpg		URS_2011_Surveys
770	6/9/2011	MOB_2	641	Unkn	UNKN	0	Yes	Inactive	NA	11T	455914	4905379	06092011_UNKN_Obs770.jpg		URS_2011_Surveys
771	6/9/2011	MOB_2	642	Barn Owl	BAOW	2	No	NA	NA	11T	455833	4905537	None		URS_2011_Surveys
772	6/9/2011	MOB_2	643	Prairie Falcon	PRFA	1	Yes	Active	0	11T	455780	4905589	06092011_PRFA_Obs772.jpg	Nest with 1 adult and 3 eggs	URS_2011_Surveys
773	6/9/2011	MOB_2	644	Golden Eagle	GOEA	1	No	NA	NA	11T	455351	4906189	None		URS_2011_Surveys
774	6/9/2011	MOB_2	645	Unkn	UNKN	0	Yes	Inactive	NA	11T	455284	4906338	06092011_UNKN_Obs774.jpg		URS_2011_Surveys
775	6/9/2011	MOB_2	646	Unkn	UNKN	0	Yes	Inactive	NA	11T	455210	4906393	06092011_UNKN_Obs775.jpg		URS_2011_Surveys
776	6/9/2011	MOB_2	647	Common Raven	CORA	2	Yes	Active	2	11T	458737	4902960	06092011_CORA_Obs776.jpg		URS_2011_Surveys
777	6/9/2011	MOB_2	648	Prairie Falcon	PRFA	6	Yes	Active	4	11T	458915	4902701	06092011_PRFA_Obs777.jpg	2 adults flying in area, 4 young on scrape	URS_2011_Surveys
778	6/9/2011	MOB_2	649	Golden Eagle	GOEA	1	No	NA	NA	11T	461779	4902967	None	in flight	URS_2011_Surveys
779	6/9/2011	MOB_2	650	Golden Eagle	GOEA	1	No	NA	NA	11T	461105	4904258	None	flushed	URS_2011_Surveys
780	6/9/2011	MOB_2	651	Unkn	UNKN	0	Yes	Inactive	NA	11T	460805	4905168	06092011_UNKN_Obs780.jpg		URS_2011_Surveys
781	6/9/2011	MOB_2	652	Golden Eagle	GOEA	1	No	NA	NA	11T	461551	4905198	None		URS_2011_Surveys
782	6/9/2011	MOB_2	653	Unkn	UNKN	0	Yes	Inactive	NA	11T	463620	4903333	06092011_UNKN_Obs782.jpg		URS_2011_Surveys
783	6/9/2011	MOB_2	654	Swainson's Hawk	SWHA	1	No	NA	NA	11T	465274	4903535	None		URS_2011_Surveys
784	6/9/2011	MOB_2	655	Prairie Falcon	PRFA	3	Yes	Active	2	11T	472144	4903632	06092011_PRFA_Obs784.jpg		URS_2011_Surveys
785	6/9/2011	MOB_2	656	Common Raven	CORA	2	Yes	Active	2	11T	471936	4903718	06092011_CORA_Obs785.jpg		URS_2011_Surveys
786	6/9/2011	MOB_2	657	Swainson's Hawk	SWHA	1	No	NA	NA	11T	472246	4906210	None		URS_2011_Surveys
787	6/9/2011	MOB_2	658	Red-tailed Hawk	RTHA	4	Yes	Active	4	11T	473599	4908051	06092011_RTHA_Obs787.jpg		URS_2011_Surveys
788	6/9/2011	MOB_2	660	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	477225	4910929	None		URS_2011_Surveys
789	6/9/2011	MOB_2	661	Swainson's Hawk	SWHA	1	No	NA	NA	11T	472572	4908900	None		URS_2011_Surveys
790	6/9/2011	MOB_2	662	Prairie Falcon	PRFA	5	Yes	Active	3	11T	471316	4907516	06092011_PRFA_Obs790.jpg		URS_2011_Surveys
792	6/9/2011	MOB_2	665	Golden Eagle	GOEA	1	No	NA	NA	11T	462414	4906416	06092011_GOEA_Obs792.jpg		URS_2011_Surveys
793	6/9/2011	MOB_2	666	Unkn	UNKN	0	Yes	Inactive	NA	11T	465198	4905572	06092011_UNKN_Obs793.jpg		URS_2011_Surveys
794	6/9/2011	MOB_2	667	Unkn	UNKN	0	Yes	Inactive	NA	11T	467159	4905572	06092011_UNKN_Obs794.jpg		URS_2011_Surveys
795	6/9/2011	MOB_2	668	Swainson's Hawk	SWHA	1	No	NA	NA	11T	471659	4908925	None		URS_2011_Surveys
796	6/9/2011	MOB_2	669	Unkn	UNKN	0	Yes	Inactive	NA	11T	472705	4911683	06092011_UNKN_Obs796.jpg		URS_2011_Surveys
797	6/9/2011	MOB_2	670	Unkn	UNKN	0	Yes	Inactive	NA	11T	471679	4909703	06092011_UNKN_Obs797.jpg		URS_2011_Surveys
798	6/9/2011	MOB_2	671	Short-eared Owl	SEOW	1	No	NA	NA	11T	471544	4909456	None		URS_2011_Surveys
799	6/9/2011	MOB_2	673	Swainson's Hawk	SWHA	1	Yes	Active	NA	11T	468045	4907524	06092011_SWHA_Obs799.jpg	At least 2 eggs in nest	URS_2011_Surveys
800	6/9/2011	MOB_2	674	Swainson's Hawk	SWHA	1	Yes	Active	NA	11T	465030	4906334	06092011_SWHA_Obs800.jpg	Adult on nest	URS_2011_Surveys
801	6/9/2011	MOB_2	675	Short-eared Owl	SEOW	2	No	NA	NA	11T	464807	4906248	None		URS_2011_Surveys
802	6/9/2011	MOB_2	676	Prairie Falcon	PRFA	3	Yes	Active	2	11T	460694	4906298	06092011_PRFA_Obs802.jpg		URS_2011_Surveys
803	6/9/2011	MOB_2	677	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	452665	4901094	None		URS_2011_Surveys
804	6/9/2011	MOB_2	678	Unkn	UNKN	0	Yes	Inactive	NA	11T	452632	4900363	06092011_UNKN_Obs804.jpg		URS_2011_Surveys
805	6/9/2011	MOB_2	679	Unkn	UNKN	0	Yes	Inactive	NA	11T	451859	4898812	06092011_UNKN_Obs805.jpg		URS_2011_Surveys
806	6/9/2011	MOB_2	680	Unkn	UNKN	0	Yes	Inactive	NA	11T	450690	4897140	06092011_UNKN_Obs806.jpg		URS_2011_Surveys
807	6/9/2011	MOB_2	681	Barn Owl	BAOW	1	No	NA	NA	11T	475793	4916437	None		URS_2011_Surveys
808	6/9/2011	MOB_2	682	Unkn	UNKN	0	Yes	Inactive	NA	11T	475922	4916563	06092011_UNKN_Obs808.jpg		URS_2011_Surveys
809	6/9/2011	MOB_2	683	Unkn	UNKN	0	Yes	Inactive	NA	11T	474557	4925086	06092011_UNKN_Obs809.jpg		URS_2011_Surveys
810	6/9/2011	MOB_2	684	Unkn	UNKN	0	Yes	Inactive	NA	11T	473808	4926388	06092011_UNKN_Obs810.jpg		URS_2011_Surveys
811	6/9/2011	MOB_2	685	Unkn	UNKN	0	Yes	Inactive	NA	11T	472949	4927705	06092011_UNKN_Obs811.jpg		URS_2011_Surveys
812	6/9/2011	MOB_2	686	Cooper's Hawk	COHA	1	No	NA	NA	11T	472889	4927952	None		URS_2011_Surveys
813	6/9/2011	MOB_2	688	Red-tailed Hawk	RTHA	1	Yes	Active	0	11T	473025	4930514	06092011_RTHA_Obs813.jpg	Adult on nest with 3 eggs	URS_2011_Surveys
814	6/9/2011	MOB_2	689	Unkn	UNKN	0	Yes	Inactive	NA	11T	472599	4930453	06092011_UNKN_Obs814.jpg		URS_2011_Surveys
815	6/9/2011	MOB_2	690	Swainson's Hawk	SWHA	1	No	NA	NA	11T	472198	4932322	None		URS_2011_Surveys
816	6/9/2011	MOB_2	691	American Kestrel	AMKE	1	No	NA	NA	11T	469346	4928087	None		URS_2011_Surveys
817	6/9/2011	MOB_2	692	Long-eared Owl	LEOW	4	No	NA	NA	11T	471536	4915771	06092011_LEOW_Obs817.jpg		URS_2011_Surveys
818	6/9/2011	MOB_2	693	Red-tailed Hawk	RTHA	2	Yes	Active	1	11T	471887	4914414	06092011_RTHA_Obs818.jpg		URS_2011_Surveys
819	6/9/2011	MOB_2	694	Short-eared Owl	SEOW	5	No	NA	NA	11T	472903	4925055	None		URS_2011_Surveys
820	6/9/2011	MOB_2	695	Unkn	UNKN	0	Yes	Inactive	NA	11T	473985	4922407	06092011_UNKN_Obs820.jpg		URS_2011_Surveys
821	6/9/2011	MOB_2	696	Short-eared Owl	SEOW	2	Yes	Active	Unkn	11T	474143	4920279	None	west side of river, owls on the ground	URS_2011_Surveys
822	6/9/2011	MOB_2	697	Red-tailed Hawk	RTHA	5	Yes	Active	3	11T	473777	4916251	06092011_RTHA_Obs822.jpg		URS_2011_Surveys
823	6/9/2011	MOB_2	698	Great Horned Owl	GHOW	1	No	NA	NA	11T	473106	4916398	06092011_GHOW_Obs823.jpg		URS_2011_Surveys
824	6/9/2011	MOB_2	699	Long-eared Owl	LEOW	1	Yes	Inactive	NA	11T	474454	4915511	06092011_LEOW_Obs824.jpg		URS_2011_Surveys
825	6/9/2011	MOB_2	700	Red-tailed Hawk	RTHA	1	Yes	Active	1	11T	470497	4934438	06092011_RTHA_Obs825.jpg		URS_2011_Surveys
826	6/9/2011	MOB_2	701	Unkn	UNKN	0	Yes	Inactive	NA	11T	470453	4934461	06092011_UNKN_Obs826.jpg		URS_2011_Surveys
827	6/9/2011	MOB_2	702	American Kestrel	AMKE	0	No	NA	NA	11T	471043	4937117	None		URS_2011_Surveys
828	6/9/2011	MOB_2	703	Swainson's Hawk	SWHA	1	Yes	Active	NA	11T	465969	4933272	06092011_SWHA_Obs828.jpg		URS_2011_Surveys
829	6/9/2011	MOB_2	704	Common Raven	CORA	1	Yes	Active	0	11T	466210	4933126	06092011_CORA_Obs829.jpg		URS_2011_Surveys
830	6/9/2011	MOB_2	705	Unkn	UNKN	0	Yes	Inactive	NA	11T	467344	4931863	06092011_UNKN_Obs830.jpg		URS_2011_Surveys
831	6/9/2011	MOB_2	706	Unkn	UNKN	0	Yes	Inactive	NA	11T	467218	4933995	06092011_UNKN_Obs831.jpg		URS_2011_Surveys
832	6/9/2011	MOB_2	707	Red-tailed Hawk	RTHA	3	No	NA	NA	11T	467170	4933994	06092011_RTHA_Obs832.jpg	1 adult and 2 young birds, 50 meters w of wp 706	URS_2011_Surveys
833	6/9/2011	MOB_2	708	Unkn	UNKN	0	Yes	Inactive	NA	11T	467043	4934023	06092011_UNKN_Obs833.jpg		URS_2011_Surveys
834	6/9/2011	MOB_2	709	American Kestrel	AMKE	1	No	NA	NA	11T	466770	4934303	06092011_AMKE_Obs834.jpg		URS_2011_Surveys
835	6/9/2011	MOB_2	710	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	463442	4935839	06092011_RTHA_Obs835.jpg		URS_2011_Surveys
836	6/9/2011	MOB_2	711	Swainson's Hawk	SWHA	1	No	NA	NA	11T	465551	4935830	06092011_SWHA_Obs836.jpg		URS_2011_Surveys

Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
837	6/9/2011	MOB_2	712	Red-tailed Hawk	RTHA	3	No	NA	NA	11T	468051	4934850	None		URS_2011_Surveys
838	6/9/2011	MOB_2	713	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	468752	4932097	None		URS_2011_Surveys
839	6/9/2011	MOB_2	714	Great Horned Owl	GHOW	3	No	NA	NA	11T	465988	4936656	06092011_GHOW_Obs839.jpg		URS_2011_Surveys
840	6/9/2011	MOB_2	715	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	470761	4932725	None		URS_2011_Surveys
841	6/9/2011	MOB_2	716	American Kestrel	AMKE	1	No	NA	NA	11T	471004	4932761	None		URS_2011_Surveys
842	6/9/2011	MOB_2	717	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	467301	4937442	None		URS_2011_Surveys
843	6/10/2011	MOB_2	718	Golden Eagle	GOEA	1	No	NA	NA	11T	440281	4959039	None		URS_2011_Surveys
844	6/10/2011	MOB_2	719	Unkn	UNKN	0	Yes	Inactive	NA	11T	440771	4949632	06102011_UNKN_Obs844.jpg	potential raven nest	URS_2011_Surveys
845	6/10/2011	MOB_2	720	Red-tailed Hawk	RTHA	0	Yes	Inactive	NA	11T	441510	4949795	06102011_RTHA_Obs845.jpg	nest on power pole, RTHA perched on pole, no evidence of nest activity	URS_2011_Surveys
846	6/10/2011	MOB_2	721	Red-tailed Hawk	RTHA	1	Yes	Active	1	11T	446655	4947778	06102011_RTHA_Obs846.jpg		URS_2011_Surveys
847	6/10/2011	MOB_2	722	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	448971	4947009	06102011_RTHA_Obs847.jpg		URS_2011_Surveys
848	6/10/2011	MOB_2	723	Unkn	UNKN	0	Yes	Inactive	NA	11T	453039	4945733	06102011_UNKN_Obs848.jpg		URS_2011_Surveys
849	6/10/2011	MOB_2	724	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	453813	4945289	06102011_RTHA_Obs849.jpg		URS_2011_Surveys
850	6/10/2011	MOB_2	725	Unkn	UNKN	0	Yes	Inactive	NA	11T	459222	4940527	06102011_UNKN_Obs850.jpg		URS_2011_Surveys
851	6/10/2011	MOB_2	726	Unkn	UNKN	0	Yes	Inactive	NA	11T	462841	4939397	06102011_UNKN_Obs851.jpg		URS_2011_Surveys
852	6/10/2011	MOB_2	727	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	460525	4941462	06102011_RTHA_Obs852.jpg		URS_2011_Surveys
853	6/10/2011	MOB_2	728	Red-tailed Hawk	RTHA	2	Yes	Active	1	11T	453519	4946492	06102011_RTHA_Obs853.jpg		URS_2011_Surveys
854	6/10/2011	MOB_2	729	Unkn	UNKN	0	Yes	Inactive	NA	11T	442124	4950712	06102011_UNKN_Obs854.jpg	nest on power pole west of l84	URS_2011_Surveys
855	6/10/2011	MOB_2	730	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	439075	4953335	06102011_RTHA_Obs855.jpg		URS_2011_Surveys
856	6/10/2011	MOB_2	731	Unkn	UNKN	0	Yes	Inactive	NA	11T	462085	4941748	06102011_UNKN_Obs856.jpg	nest in juniper	URS_2011_Surveys
857	6/10/2011	MOB_2	732	Unkn	UNKN	0	Yes	Active	0	11T	464821	4940795	06102011_UNKN_Obs857.jpg	2 eggs or egg shells on nest	URS_2011_Surveys
858	6/10/2011	MOB_2	733	Unkn	UNKN	0	Yes	Inactive	NA	11T	463989	4941471	06102011_UNKN_Obs858.jpg	nest in rock formation, se aspect	URS_2011_Surveys
859	6/10/2011	MOB_2	734	Unkn	UNKN	0	Yes	Inactive	NA	11T	463718	4941396	06102011_UNKN_Obs859.jpg	nest on rock face, north aspect	URS_2011_Surveys
860	6/10/2011	MOB_2	735	Unkn	UNKN	0	Yes	Inactive	NA	11T	461780	4942663	06102011_UNKN_Obs860.jpg	juniper tree	URS_2011_Surveys
861	6/10/2011	MOB_2	736	Unkn	UNKN	0	Yes	Inactive	NA	11T	461421	4943288	06102011_UNKN_Obs861.jpg	juniper tree	URS_2011_Surveys
862	6/10/2011	MOB_2	737	Golden Eagle	GOEA	1	No	NA	NA	11T	460988	4943386	None		URS_2011_Surveys
863	6/10/2011	MOB_2	738	Unkn	UNKN	0	Yes	Inactive	NA	11T	458864	4944453	06102011_UNKN_Obs863.jpg		URS_2011_Surveys
864	6/10/2011	MOB_2	739	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	454421	4947955	None		URS_2011_Surveys
865	6/10/2011	MOB_2	741	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	453600	4948781	None		URS_2011_Surveys
866	6/10/2011	MOB_2	743	Golden Eagle	GOEA	1	No	NA	NA	11T	439253	4956581	06102011_GOEA_Obs866.jpg		URS_2011_Surveys
867	6/10/2011	MOB_2	749B	Unkn	UNKN	0	Yes	Inactive	NA	11T	441735	4956188	06102011_UNKN_Obs867.jpg	aspen grove	URS_2011_Surveys
868	6/10/2011	MOB_2	750B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	435037	4979104	None		URS_2011_Surveys
870	6/10/2011	MOB_2	752B	Unkn	UNKN	0	Yes	Inactive	NA	11T	434595	4976725	06102011_UNKN_Obs870.jpg	nest on west facing rock face	URS_2011_Surveys
871	6/10/2011	MOB_2	757B	Barn Owl	BAOW	1	No	NA	NA	11T	436134	4975062	None		URS_2011_Surveys
872	6/10/2011	MOB_2	758B	Common Raven	CORA	3	Yes	Active	2	11T	436531	4974698	06102011_CORA_Obs872.jpg		URS_2011_Surveys
873	6/10/2011	MOB_2	759B	Common Raven	CORA	2	Yes	Active	2	11T	436810	4974495	06102011_CORA_Obs873.jpg		URS_2011_Surveys
874	6/10/2011	MOB_2	760B	Swainson's Hawk	SWHA	1	Yes	Active	0	11T	438104	4968033	06102011_SWHA_Obs874.jpg	flushed adult SWHA from nest, 1 egg on nest	URS_2011_Surveys
875	6/10/2011	MOB_2	761B	Swainson's Hawk	SWHA	1	No	NA	NA	11T	439091	4970164	None		URS_2011_Surveys
876	6/10/2011	MOB_2	762B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	438662	4971287	06102011_RTHA_Obs876.jpg		URS_2011_Surveys
877	6/10/2011	MOB_2	763B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	436575	4979114	None		URS_2011_Surveys
878	6/10/2011	MOB_2	764B	Common Raven	CORA	1	Yes	Active	Unkn	11T	436791	4978524	06102011_CORA_Obs878.jpg		URS_2011_Surveys
879	6/10/2011	MOB_2	765B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	438746	4973549	None		URS_2011_Surveys
880	6/10/2011	MOB_2	766B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	439392	4971999	06102011_RTHA_Obs880.jpg		URS_2011_Surveys
881	6/10/2011	MOB_2	767B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	439357	4971674	None		URS_2011_Surveys
882	6/10/2011	MOB_2	768B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	439779	4970582	06102011_RTHA_Obs882.jpg		URS_2011_Surveys
883	6/10/2011	MOB_2	769B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	439988	4970016	06102011_RTHA_Obs883.jpg		URS_2011_Surveys
884	6/10/2011	MOB_2	770B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	441045	4967248	06102011_RTHA_Obs884.jpg		URS_2011_Surveys
885	6/10/2011	MOB_2	771B	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	441746	4969131	None		URS_2011_Surveys
886	6/10/2011	MOB_2	772B	Ferruginous Hawk	FEHA	1	No	NA	NA	11T	445075	4966259	None		URS_2011_Surveys
887	6/10/2011	MOB_2	773B	Ferruginous Hawk	FEHA	1	Yes	Active	Unkn	11T	445113	4966152	06102011_FEHA_Obs887.jpg		URS_2011_Surveys
888	6/10/2011	MOB_2	774B	Unid Owl	UNOW	1	No	NA	NA	11T	444405	4958169	06102011_UNOW_Obs888.jpg		URS_2011_Surveys
889	6/10/2011	MOB_2	775B	Barn Owl	BAOW	1	No	NA	NA	11T	436276	4987296	None		URS_2011_Surveys
890	6/10/2011	MOB_2	777B	Prairie Falcon	PRFA	1	No	NA	NA	11T	436076	4987294	None		URS_2011_Surveys
891	6/10/2011	MOB_2	795B	Unkn	UNKN	0	Yes	Inactive	NA	11T	434141	4987272	None		URS_2011_Surveys
892	6/10/2011	MOB_2	796B	Golden Eagle	GOEA	1	No	NA	NA	11T	434316	4988485	None		URS_2011_Surveys
893	6/10/2011	MOB_2	798	Swainson's Hawk	SWHA	1	Yes	Active	0	11T	430033	4995095	06102011_SWHA_Obs893.jpg	nest with adult and 2 eggs	URS_2011_Surveys
894	6/10/2011	MOB_2	799	American Kestrel	AMKE	1	No	NA	NA	11T	425874	4997924	None		URS_2011_Surveys
895	6/10/2011	MOB_2	800	American Kestrel	AMKE	1	No	NA	NA	11T	425530	4998108	None		URS_2011_Surveys
896	6/10/2011	MOB_2	811	Golden Eagle	GOEA	2	No	NA	NA	11T	421588	5002733	06102011_GOEA_Obs896.jpg		URS_2011_Surveys
897	6/10/2011	MOB_2	812	Common Raven	CORA	1	Yes	Inactive	NA	11T	427538	4996260	06102011_CORA_Obs897.jpg		URS_2011_Surveys
898	6/10/2011	MOB_2	813	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	429368	4994687	06102011_RTHA_Obs898.jpg		URS_2011_Surveys
899	6/10/2011	MOB_2	815	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	431755	4992161	06102011_RTHA_Obs899.jpg		URS_2011_Surveys
900	6/10/2011	MOB_2	816	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	433280	4987722	06102011_RTHA_Obs900.jpg	nest in willows	URS_2011_Surveys
901	6/10/2011	MOB_2	817	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	434700	4984095	06102011_RTHA_Obs901.jpg		URS_2011_Surveys
902	6/10/2011	MOB_2	820	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	431176	4990613	06102011_RTHA_Obs902.jpg		URS_2011_Surveys
903	6/10/2011	MOB_2	824	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	430440	4992624	None		URS_2011_Surveys
904	6/10/2011	MOB_2	830	Unkn	UNKN	0	Yes	Inactive	NA	11T	429702	4991491	06102011_UNKN_Obs904.jpg		URS_2011_Surveys
905	6/10/2011	MOB_2	831	Barn Owl	BAOW	1	No	NA	NA	11T	429872	4991476	None		URS_2011_Surveys
906	6/10/2011	MOB_2	835	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	430580	4989649	None		URS_2011_Surveys
907	6/10/2011	MOB_2	836	American Kestrel	AMKE	1	No	NA	NA	11T	432212	4984655	None		URS_2011_Surveys
908	6/10/2011	MOB_2	877	Golden Eagle	GOEA	4	Yes	Active	2	11T	442408	4960569	06102011_GOEA_Obs908.jpg	lone juniper tree on ridgeline	URS_2011_Surveys
909	6/10/2011	MOB_2	922	Unkn	UNKN	0	Yes	Inactive	NA	11T	438300	4974758	06102011_UNKN_Obs909.jpg	nest east aspect	URS_2011_Surveys
910	6/11/2011	MOB_2	838	Unkn	UNKN	0	Yes	Active	0	11T	361867	5037493	06112011_UNKN_Obs910.jpg	nest with 2 eggs	URS_2011_Surveys
911	6/11/2011	MOB_2	839	American Kestrel	AMKE	1	No	NA	NA	11T	366126	5037092	None		URS_2011_Surveys
912	6/11/2011	MOB_2	842	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	367681	5036679	None		URS_2011_Surveys
913	6/11/2011	MOB_2	843	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	370942	5036268	None		URS_2011_Surveys





Obs ID	Date	Survey	GPS ID	Species	Sp Code	Total Birds	Nest Y N	Nest Activity	Num of Young	UTM Zone	NAD83 UTM E	NAD83 UTM N	Photo Name	Comments	Source
914	6/11/2011	MOB_2	844	Swainson's Hawk	SWHA	1	No	NA	NA	11T	372715	5036628	None		URS_2011_Surveys
915	6/11/2011	MOB_2	845	Short-eared Owl	SEOW	1	No	NA	NA	11T	369578	5037097	None		URS_2011_Surveys
916	6/11/2011	MOB_2	847	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	360458	5040168	06112011_RTHA_Obs916.jpg		URS_2011_Surveys
917	6/11/2011	MOB_2	848	Unkn	UNKN	0	Yes	Inactive	NA	11T	371808	5038128	06112011_UNKN_Obs917.jpg	in upper quarter of pine tree	URS_2011_Surveys
918	6/11/2011	MOB_2	850	American Kestrel	AMKE	1	No	NA	NA	11T	415844	5008546	None		URS_2011_Surveys
919	6/11/2011	MOB_2	851	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	420838	5002354	None		URS_2011_Surveys
920	6/11/2011	MOB_2	852	Great Horned Owl	GHOW	1	No	NA	NA	11T	413846	5010299	06112011_GHOW_Obs920.jpg		URS_2011_Surveys
921	6/11/2011	MOB_2	853	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	404576	5017797	None		URS_2011_Surveys
922	6/11/2011	MOB_2	854	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	387303	5037003	None		URS_2011_Surveys
923	6/11/2011	MOB_2	857	Great Horned Owl	GHOW	1	No	NA	NA	11T	380958	5039305	06112011_GHOW_Obs923.jpg		URS_2011_Surveys
924	6/11/2011	MOB_2	858	Barn Owl	BAOW	1	No	NA	NA	11T	363178	5040531	None		URS_2011_Surveys
925	6/11/2011	MOB_2	859	Swainson's Hawk	SWHA	1	No	NA	NA	11T	361722	5041779	06112011_SWHA_Obs925.jpg		URS_2011_Surveys
926	6/11/2011	MOB_2	860	Northern Harrier	NOHA	1	No	NA	NA	11T	290911	5077241	None		URS_2011_Surveys
927	6/11/2011	MOB_2	863	Barn Owl	BAOW	1	No	NA	NA	11T	278148	5072462	None		URS_2011_Surveys
928	6/11/2011	MOB_2	865	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	277787	5064336	None		URS_2011_Surveys
929	6/11/2011	MOB_2	866	Swainson's Hawk	SWHA	1	No	NA	NA	11T	270389	5055519	None		URS_2011_Surveys
930	6/11/2011	MOB_2	867	Common Raven	CORA	3	Yes	Active	1	11T	280179	5055405	06112011_CORA_Obs930.jpg		URS_2011_Surveys
931	6/11/2011	MOB_2	868	Swainson's Hawk	SWHA	1	No	NA	NA	11T	285790	5055080	None		URS_2011_Surveys
932	6/11/2011	MOB_2	869	Swainson's Hawk	SWHA	1	Yes	Active	Unkn	11T	285840	5055213	06112011_SWHA_Obs932.jpg		URS_2011_Surveys
933	6/11/2011	MOB_2	871	Swainson's Hawk	SWHA	2	Yes	Active	1	11T	311030	5052421	06112011_SWHA_Obs933.jpg	At least 1 hatchling visible	URS_2011_Surveys
934	6/11/2011	MOB_2	872	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	315008	5050026	None		URS_2011_Surveys
935	6/11/2011	MOB_2	873	Swainson's Hawk	SWHA	1	No	NA	NA	11T	303086	5058024	None		URS_2011_Surveys
936	6/11/2011	MOB_2	874	Short-eared Owl	SEOW	1	No	NA	NA	11T	300564	5057847	06112011_SEOW_Obs936.jpg		URS_2011_Surveys
937	6/11/2011	MOB_2	876	Swainson's Hawk	SWHA	3	Yes	Active	2	11T	287572	5056030	06112011_SWHA_Obs937.jpg		URS_2011_Surveys
938	6/11/2011	MOB_2	880	Ferruginous Hawk	FEHA	2	Yes	Active	2	11T	286400	5056582	06112011_FEHA_Obs938.jpg	Adult was banded and had a radio transmitter	URS_2011_Surveys
939	6/11/2011	MOB_2	882	Unkn	UNKN	0	Yes	Inactive	NA	11T	280077	5058568	06112011_UNKN_Obs939.jpg		URS_2011_Surveys
940	6/11/2011	MOB_2	883	Unkn	UNKN	0	Yes	Inactive	NA	11T	275745	5057639	06112011_UNKN_Obs940.jpg		URS_2011_Surveys
941	6/11/2011	MOB_2	884	Swainson's Hawk	SWHA	4	Yes	Active	3	11T	269913	5059108	06112011_SWHA_Obs941.jpg		URS_2011_Surveys
942	6/11/2011	MOB_2	885	Unkn	UNKN	0	Yes	Inactive	NA	11T	270116	5059146	06112011_UNKN_Obs942.jpg		URS_2011_Surveys
943	6/11/2011	MOB_2	888	Ferruginous Hawk	FEHA	1	Yes	Active	Unkn	11T	270207	5059524	06112011_FEHA_Obs943.jpg		URS_2011_Surveys
944	6/11/2011	MOB_2	889	Unkn	UNKN	0	Yes	Inactive	NA	11T	270400	5059189	06112011_UNKN_Obs944.jpg		URS_2011_Surveys
945	6/11/2011	MOB_2	890	Unkn	UNKN	0	Yes	Inactive	NA	11T	269297	5061033	06112011_UNKN_Obs945.jpg		URS_2011_Surveys
946	6/11/2011	MOB_2	891	Unkn	UNKN	0	Yes	Inactive	NA	11T	270112	5061097	06112011_UNKN_Obs946.jpg		URS_2011_Surveys
947	6/11/2011	MOB_2	892	Great Horned Owl	GHOW	1	No	NA	NA	11T	270373	5061351	None		URS_2011_Surveys
949	6/11/2011	MOB_2	894	Swainson's Hawk	SWHA	3	Yes	Active	2	11T	312610	5060647	06112011_SWHA_Obs949.jpg	1 adult, 2 hatchlings, 1 egg	URS_2011_Surveys
951	6/11/2011	MOB_2	896	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	297010	5075587	None		URS_2011_Surveys
953	6/11/2011	MOB_2	898	Northern Harrier	NOHA	1	No	NA	NA	11T	328977	5049622	None		URS_2011_Surveys
954	6/11/2011	MOB_2	901	Barn Owl	BAOW	4	No	NA	NA	11T	328842	5046131	06112011_BAOW_Obs954.jpg		URS_2011_Surveys
955	6/11/2011	MOB_2	906	Unkn	UNKN	0	Yes	Inactive	NA	11T	328891	5046059	None		URS_2011_Surveys
956	6/11/2011	MOB_2	907	Barn Owl	BAOW	3	Yes	Active	3	11T	330547	5046859	06112011_BAOW_Obs956.jpg		URS_2011_Surveys
957	6/11/2011	MOB_2	909	Prairie Falcon	PRFA	5	Yes	Active	3	11T	330701	5046807	06112011_PRFA_Obs957.jpg		URS_2011_Surveys
958	6/11/2011	MOB_2	910	Ferruginous Hawk	FEHA	4	Yes	Active	4	11T	330867	5046623	06112011_FEHA_Obs958.jpg		URS_2011_Surveys
959	6/11/2011	MOB_2	911	Short-eared Owl	SEOW	2	No	NA	NA	11T	332963	5046035	None	flushed two SEOW from grassland sidehill, pair kept returning to same spot	URS_2011_Surveys
960	6/12/2011	MOB_2	913	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	417930	5005778	06122011_RTHA_Obs960.jpg		URS_2011_Surveys
961	6/12/2011	MOB_2	914	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	420357	5005921	None		URS_2011_Surveys
962	6/12/2011	MOB_2	915	Common Raven	CORA	3	Yes	Active	3	11T	420267	5006096	06122011_CORA_Obs962.jpg		URS_2011_Surveys
963	6/12/2011	MOB_2	916	Prairie Falcon	PRFA	2	No	NA	NA	11T	420115	5006499	None		URS_2011_Surveys
964	6/12/2011	MOB_2	917	Northern Harrier	NOHA	1	No	NA	NA	11T	352896	5041597	None		URS_2011_Surveys
965	6/12/2011	MOB_2	918	Great Horned Owl	GHOW	1	No	NA	NA	11T	351323	5041268	06122011_GHOW_Obs965.jpg		URS_2011_Surveys
966	6/12/2011	MOB_2	919	Unkn	UNKN	0	Yes	Inactive	NA	11T	350045	5042606	06122011_UNKN_Obs966.jpg		URS_2011_Surveys
967	6/12/2011	MOB_2	923	Unkn	UNKN	0	Yes	Inactive	NA	11T	348548	5042698	06122011_UNKN_Obs967.jpg		URS_2011_Surveys
968	6/12/2011	MOB_2	924	Red-tailed Hawk	RTHA	2	Yes	Active	2	11T	347573	5041700	06122011_RTHA_Obs968.jpg		URS_2011_Surveys
969	6/12/2011	MOB_2	927	Great Horned Owl	GHOW	1	No	NA	NA	11T	346246	5042283	None		URS_2011_Surveys
970	6/12/2011	MOB_2	928	Short-eared Owl	SEOW	1	No	NA	NA	11T	343704	5043630	None		URS_2011_Surveys
971	6/12/2011	MOB_2	929	Red-tailed Hawk	RTHA	2	No	NA	NA	11T	341578	5043736	None		URS_2011_Surveys
972	6/12/2011	MOB_2	930	Barn Owl	BAOW	3	Yes	Active	3	11T	341582	5044067	06122011_BAOW_Obs972.jpg		URS_2011_Surveys
973	6/12/2011	MOB_2	931	Unkn	UNKN	0	Yes	Inactive	NA	11T	341386	5043993	06122011_UNKN_Obs973.jpg		URS_2011_Surveys
974	6/12/2011	MOB_2	933	Swainson's Hawk	SWHA	1	Yes	Active	Unkn	11T	340445	5042879	06122011_SWHA_Obs974.jpg		URS_2011_Surveys
975	6/12/2011	MOB_2	934	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	338915	5043417	None		URS_2011_Surveys
976	6/12/2011	MOB_2	935	Short-eared Owl	SEOW	2	No	NA	NA	11T	338791	5043112	None		URS_2011_Surveys
977	6/12/2011	MOB_2	937	Northern Harrier	NOHA	1	No	NA	NA	11T	337393	5043304	None		URS_2011_Surveys
978	6/12/2011	MOB_2	938	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	338915	5043417	06122011_RTHA_Obs978.jpg		URS_2011_Surveys
979	6/12/2011	MOB_2	940	Northern Harrier	NOHA	1	No	NA	NA	11T	334016	5044676	None		URS_2011_Surveys
982	6/12/2011	MOB_2	949	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	342867	5045032	None		URS_2011_Surveys
983	6/12/2011	MOB_2	950	Swainson's Hawk	SWHA	1	Yes	Active	Unkn	11T	348008	5043693	06122011_SWHA_Obs983.jpg	3 eggs	URS_2011_Surveys
984	6/12/2011	MOB_2	951	Swainson's Hawk	SWHA	2	Yes	Active	1	11T	353045	5043798	06122011_SWHA_Obs984.jpg	adult on nest with 1 hatchling and 1 egg	URS_2011_Surveys
985	6/12/2011	MOB_2	956	American Kestrel	AMKE	1	No	NA	NA	11T	352932	5045212	None		URS_2011_Surveys
986	6/12/2011	MOB_2	958	Northern Harrier	NOHA	1	No	NA	NA	11T	348668	5045267	None		URS_2011_Surveys
987	6/12/2011	MOB_2	961	Swainson's Hawk	SWHA	1	No	NA	NA	11T	280513	5066068	None		URS_2011_Surveys
988	6/12/2011	MOB_2	963	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	280865	5063805	None		URS_2011_Surveys
989	6/12/2011	MOB_2	964	Osprey	OSPR	1	No	NA	NA	11T	280197	5061764	None		URS_2011_Surveys
990	6/12/2011	MOB_2	965	Unkn	UNKN	0	Yes	Inactive	NA	11T	279488	5060045	06122011_UNKN_Obs990.jpg		URS_2011_Surveys
991	6/12/2011	MOB_2	960	Red-tailed Hawk	RTHA	3	No	NA	NA	11T	338135	5045615	None	3 RTHA in flight near WP 397	URS_2011_Surveys
992	6/12/2011	MOB_2	837	Red-tailed Hawk	RTHA	1	No	NA	NA	11T	360412	5037602	None	nest in tree that RTHA flushed from	URS_2011_Surveys
993	6/12/2011	MOB_2	837	Unkn	UNKN	0	Yes	Inactive	NA	11T	360412	5037602	06122011_UNKN_Obs993.jpg		URS_2011_Surveys

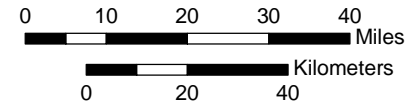
**APPENDIX B**  
**2011 RAPTOR NEST AERIAL SURVEY RESULTS**  
**MAPBOOK**





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

-  Substation
- B2H Transmission Line Routes**
-  Proposed
-  Alternative
-  Map Tile Boundary



Map Scale = 1:1,500,000

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH



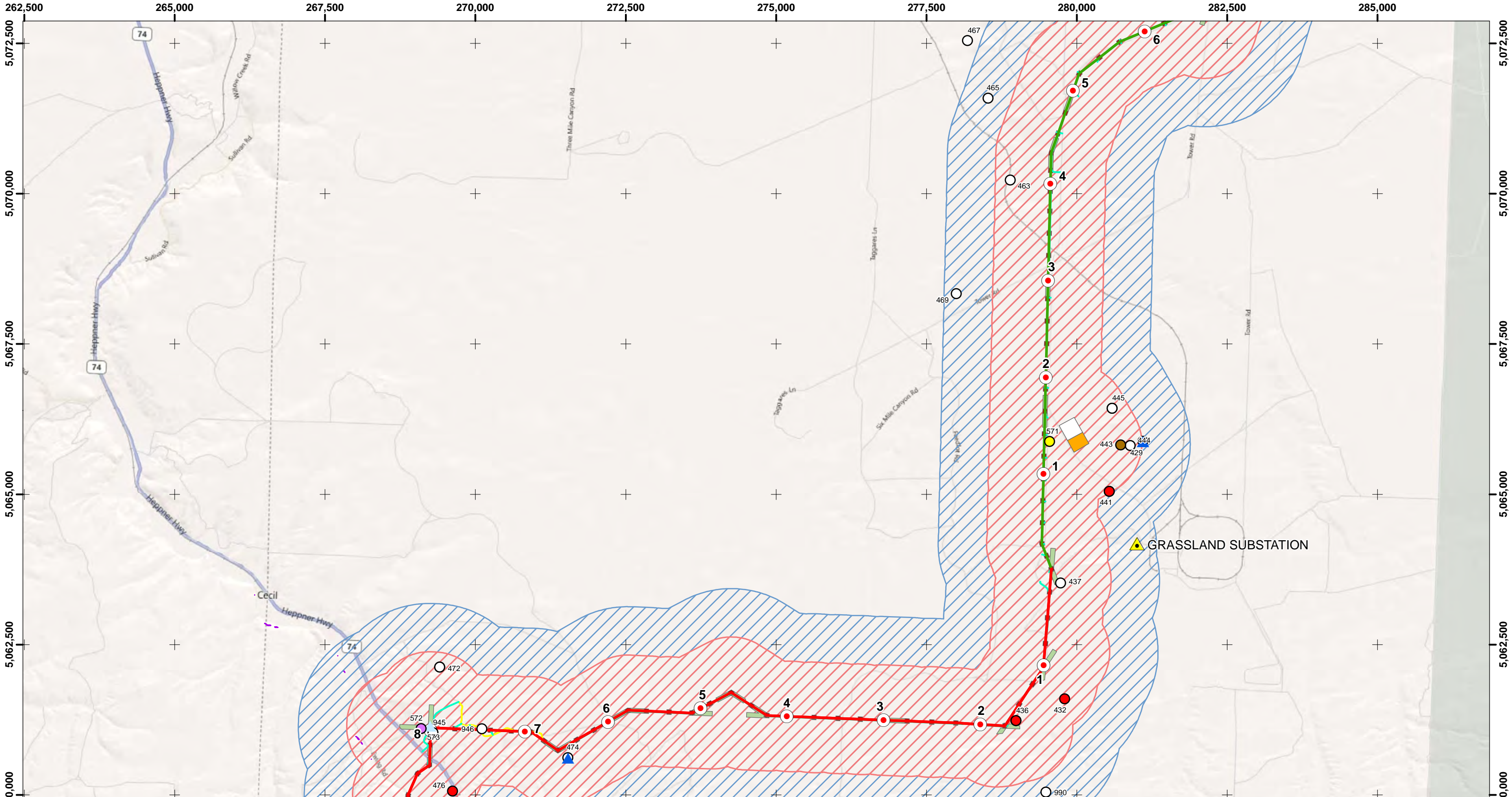
Vicinity Map

**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP OVERVIEW

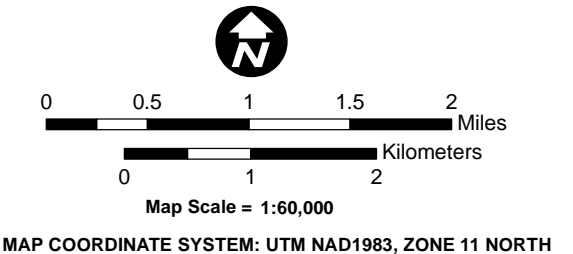






**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |   |   |  |   |
|---|---|--|---|
| <ul style="list-style-type: none"> <li> Milepost</li> <li> Substation</li> <li> Proposed</li> <li> Alternative</li> <li> Recocated</li> <li> Fly Yard</li> <li> Pulling-Tensioning</li> <li> Regeneration Site</li> </ul> | <ul style="list-style-type: none"> <li> Raptor Survey Area 1/2-Mile</li> <li> Ferruginous Hawk Survey Area 1-Mile</li> <li> Golden Eagle Habitat 2-Miles</li> </ul> | <p><b>B2H Transmission Line Routes</b></p> <ul style="list-style-type: none"> <li> Double Circuit 138/69-kV</li> </ul> | <p><b>Observed Raptor Nest Locations (Species)</b></p> <ul style="list-style-type: none"> <li> Barn Owl</li> <li> Burrowing Owl</li> <li> Common Raven</li> <li> Ferruginous Hawk</li> <li> Golden Eagle</li> <li> Great Horned Owl</li> <li> Long-eared Owl</li> <li> Osprey</li> <li> Prairie Falcon</li> <li> Red-tailed Hawk</li> <li> Sharp-shinned Hawk</li> <li> Short-eared Owl</li> <li> Swainson's Hawk</li> <li> Inactive</li> </ul> |
|---|---|--|---|

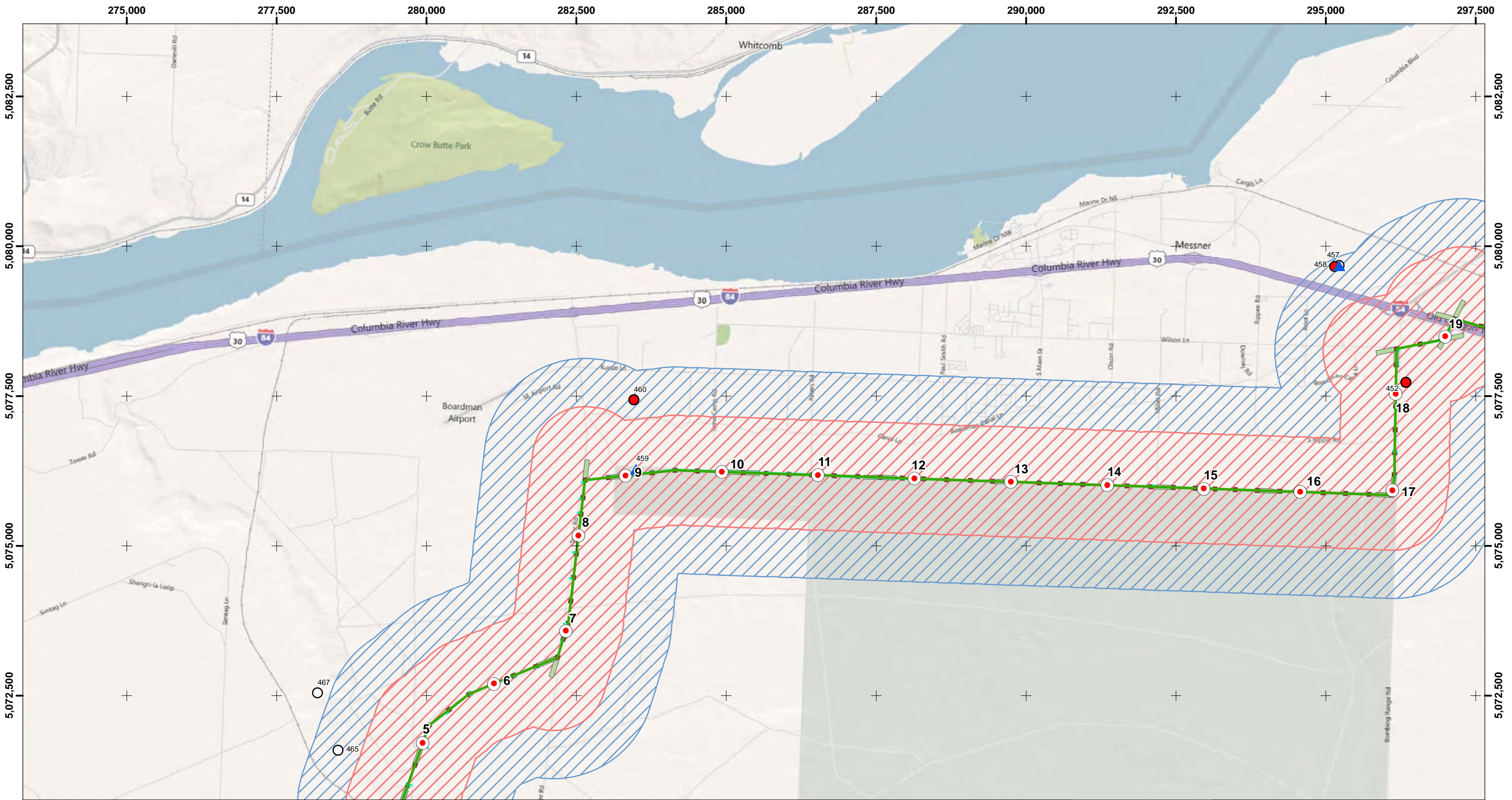


**BOARDMAN - HEMINGWAY  
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2011 TECHNICAL REPORT

MAP TILE 1

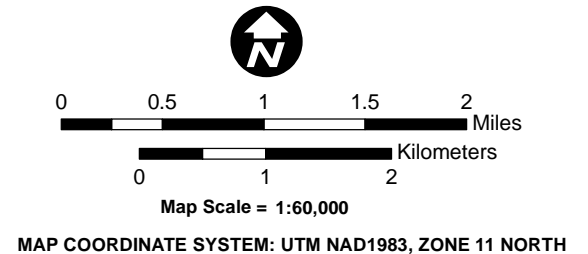




**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- Milepost
- Substation
- Proposed
- Double Circuit 138/69-kV
- Alternative
- Recocated
- Fly Yard
- Staging Area
- Pulling-Tensioning
- Structure
- Regeneration Site
- Raptor Survey Area 1/2-Mile
- Ferruginous Hawk Survey Area 1-Mile
- Golden Eagle Habitat 2-Miles

- Observed Raptor Nest Locations (Species)**
- Barn Owl
  - Long-eared Owl
  - Swainson's Hawk
  - Burrowing Owl
  - Osprey
  - Inactive
  - Common Raven
  - Prairie Falcon
  - Ferruginous Hawk
  - Red-tailed Hawk
  - Golden Eagle
  - Sharp-shinned Hawk
  - Great Horned Owl
  - Short-eared Owl

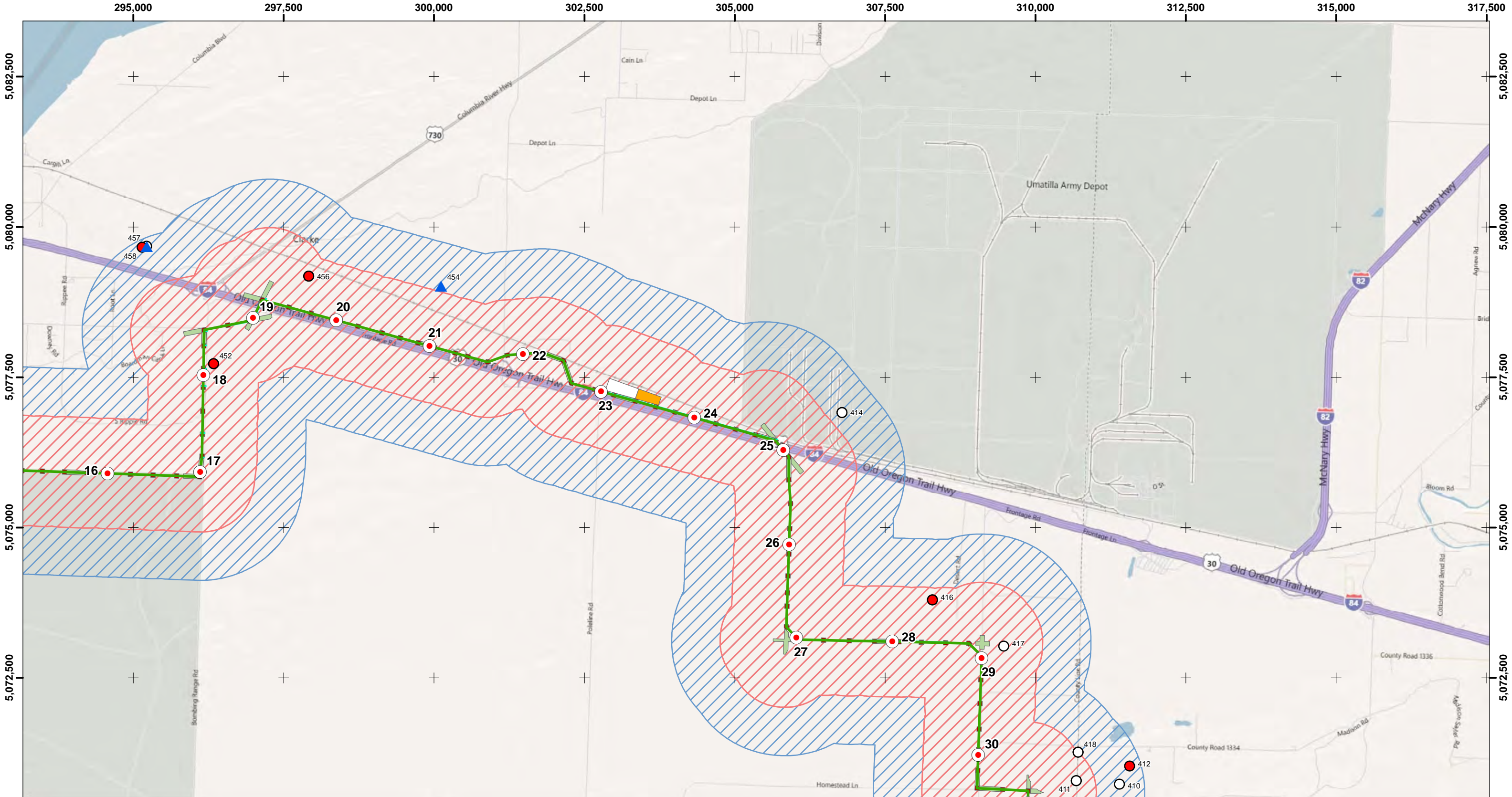


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 2







**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                              |                                     |
|-----------------------------------|------------------------------|-------------------------------------|
| Milepost                          | Substation                   | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                     | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                  | Recocated                           |
| <b>Project Features</b>           | Staging Area                 | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                    | Ferruginous Hawk Survey Area 1-Mile |
| Pulling-Tensioning                | Structure                    | Raptor Survey Area 1/2-Mile         |
| Regeneration Site                 | Golden Eagle Habitat 2-Miles |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles

0 1 2 Kilometers

Map Scale = 1:60,000

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

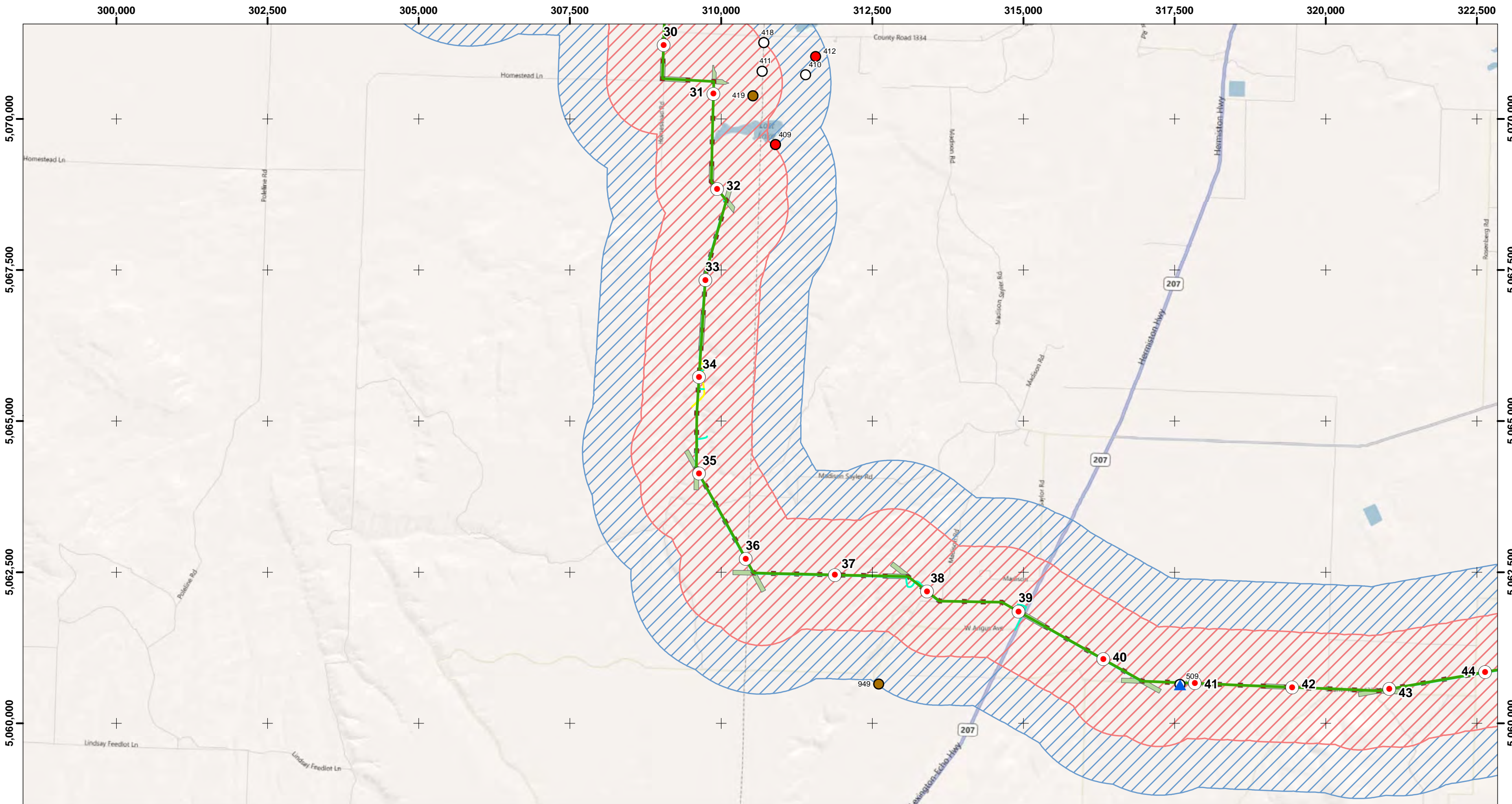


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 3







**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                              |                                     |  |
|-----------------------------------|------------------------------|-------------------------------------|--|
| Milepost                          | Substation                   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed                     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative                  | Recocated                           |  |
| <b>Project Features</b>           |                              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area                 | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure                    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 | Golden Eagle Habitat 2-Miles |                                     |  |

**Observed Raptor Nest Locations (Species)**

- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles  
0 1 2 Kilometers

Map Scale = 1:60,000

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

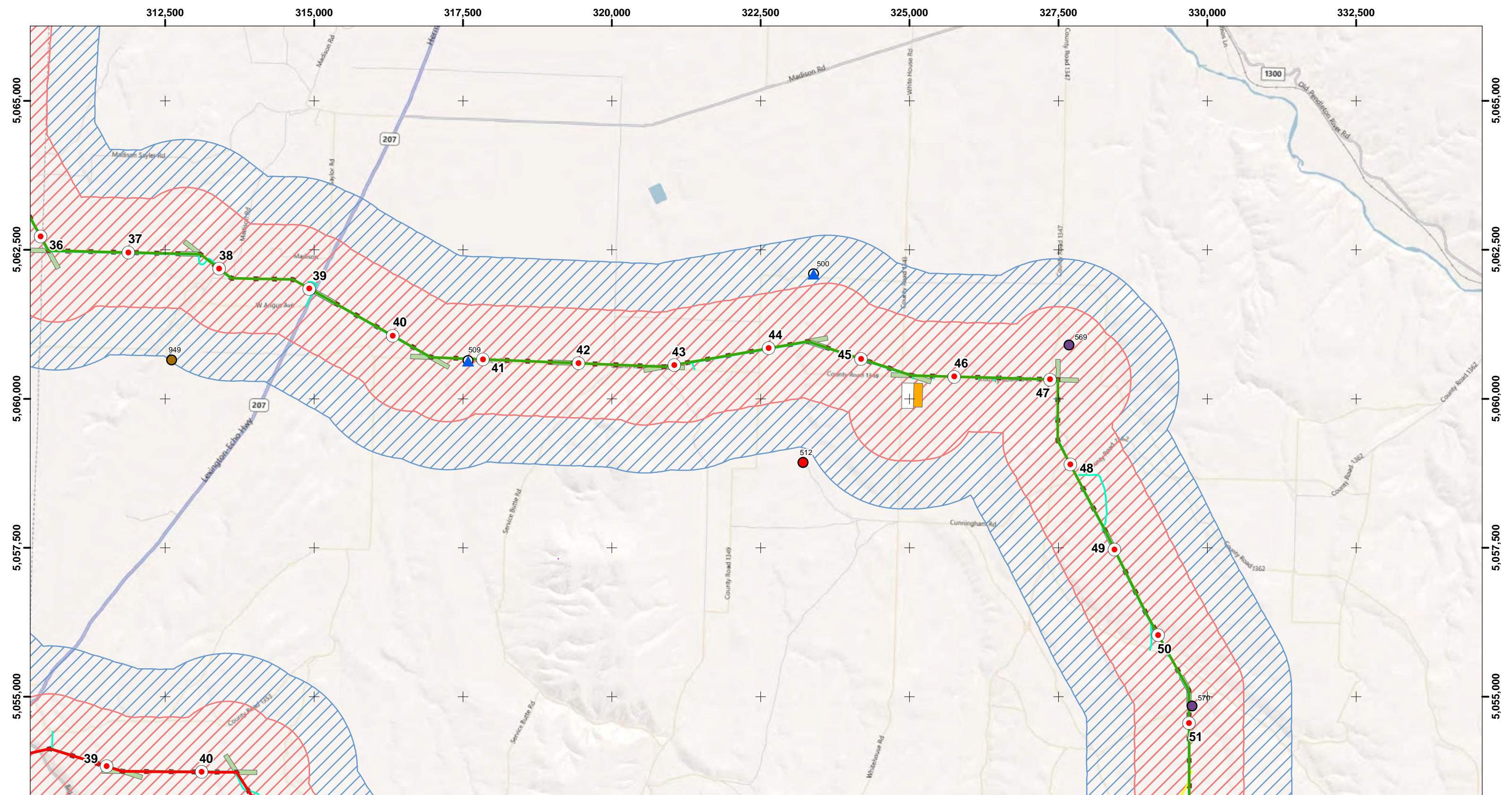


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 4







**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                              |                                     |
|-----------------------------------|------------------------------|-------------------------------------|
| Milepost                          | Substation                   | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                     | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                  | Recocated                           |
| <b>Project Features</b>           | Staging Area                 | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                    | Raptor Survey Area 1/2-Mile         |
| Pulling-Tensioning                | Golden Eagle Habitat 2-Miles | Ferruginous Hawk Survey Area 1-Mile |
| Regeneration Site                 |                              |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles

0 1 2 Kilometers

Map Scale = 1:60,000

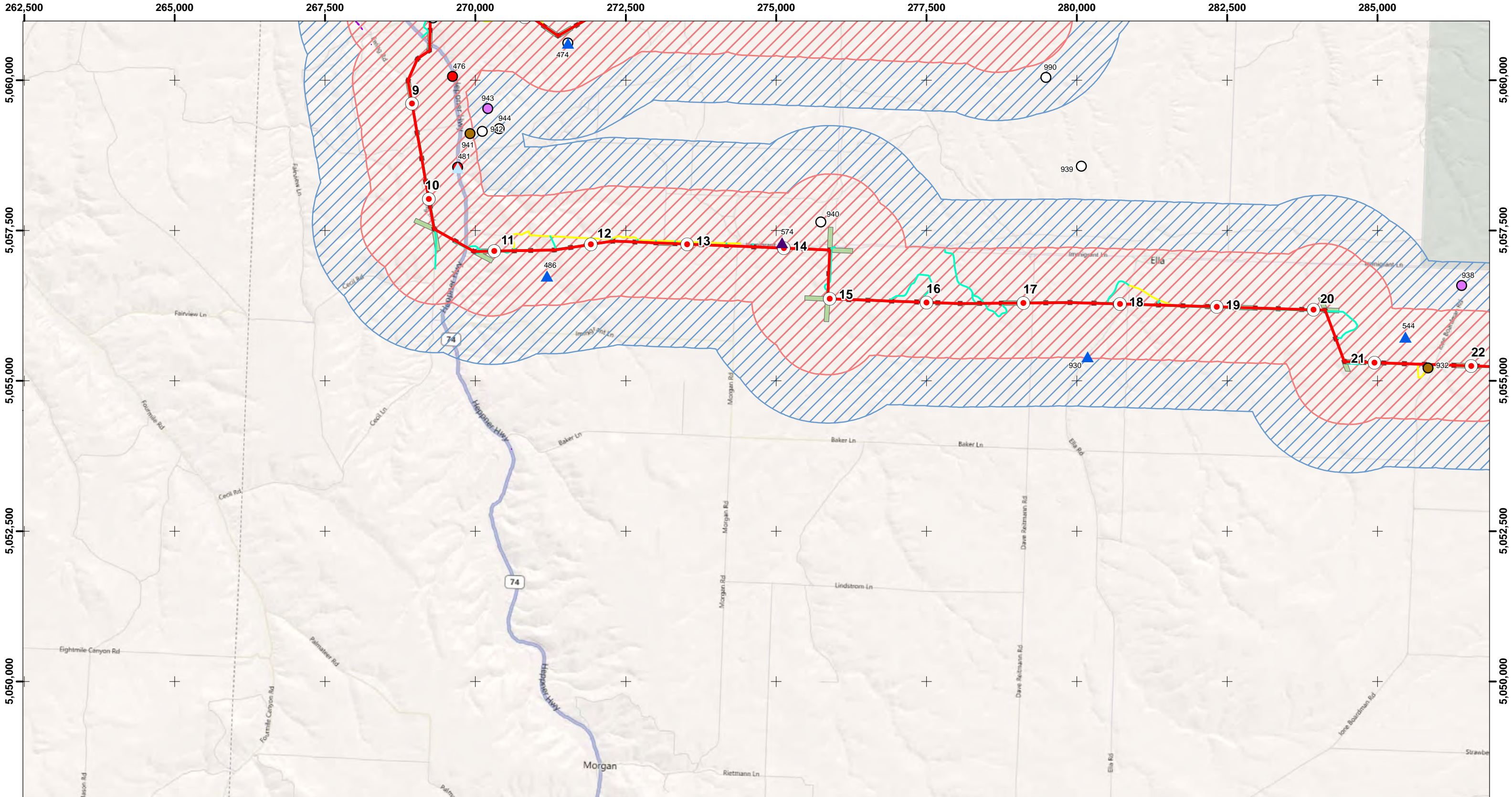
MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

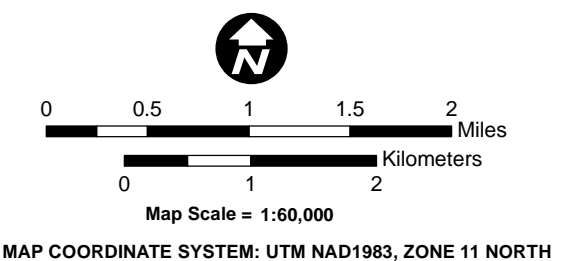
MAP TILE 5





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

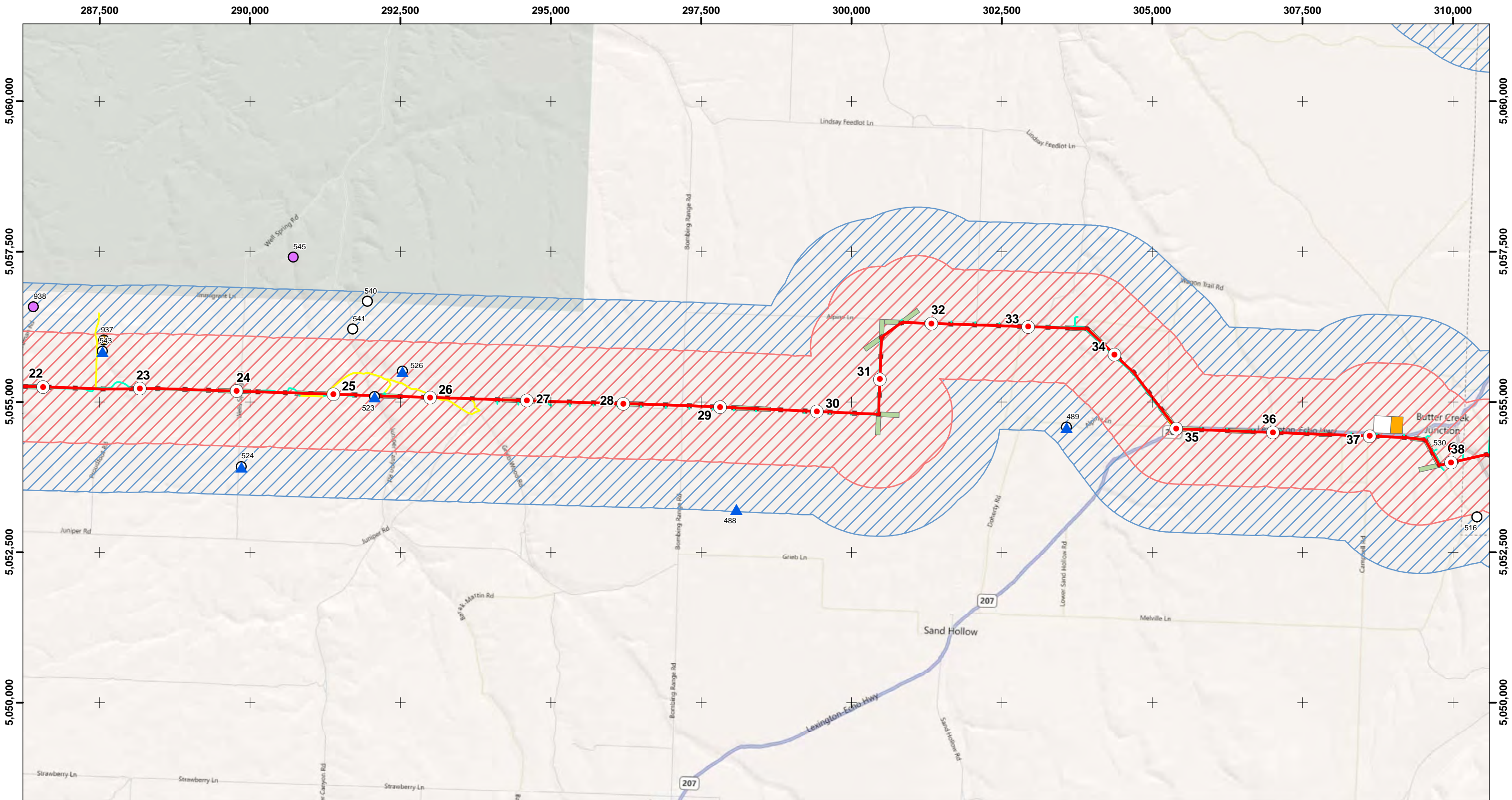
- |   |  |   |
|---|--|---|
| <ul style="list-style-type: none"> <li> Milepost</li> <li> Substation</li> <li> New Road</li> <li> Existing Road - Needs Improvement</li> <li><b>Project Features</b></li> <li> Fly Yard</li> <li> Pulling-Tensioning</li> <li> Regeneration Site</li> <li> Staging Area</li> <li> Structure</li> </ul> | <ul style="list-style-type: none"> <li><b>B2H Transmission Line Routes</b></li> <li> Proposed</li> <li> Alternative</li> <li> Recocated</li> <li> Double Circuit 138/69-kV</li> <li> Recocated</li> <li><b>Raptor Survey Areas</b></li> <li> Raptor Survey Area 1/2-Mile</li> <li> Ferruginous Hawk Survey Area 1-Mile</li> <li> Golden Eagle Habitat 2-Miles</li> </ul> | <ul style="list-style-type: none"> <li><b>Observed Raptor Nest Locations (Species)</b></li> <li> Barn Owl</li> <li> Burrowing Owl</li> <li> Common Raven</li> <li> Ferruginous Hawk</li> <li> Golden Eagle</li> <li> Great Horned Owl</li> <li> Long-eared Owl</li> <li> Osprey</li> <li> Prairie Falcon</li> <li> Red-tailed Hawk</li> <li> Sharp-shinned Hawk</li> <li> Short-eared Owl</li> <li> Swainson's Hawk</li> <li> Inactive</li> </ul> |
|---|--|---|



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

**MAP TILE 6**





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                                     |                                     |
|-----------------------------------|-------------------------------------|-------------------------------------|
| Milepost                          | Substation                          | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                            | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                         | Recocated                           |
| <b>Project Features</b>           | Staging Area                        | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                           | Raptor Survey Area 1/2-Mile         |
| Pulling-Tensioning                | Ferruginous Hawk Survey Area 1-Mile | Golden Eagle Habitat 2-Miles        |
| Regeneration Site                 |                                     |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles

0 1 2 Kilometers

Map Scale = 1:60,000

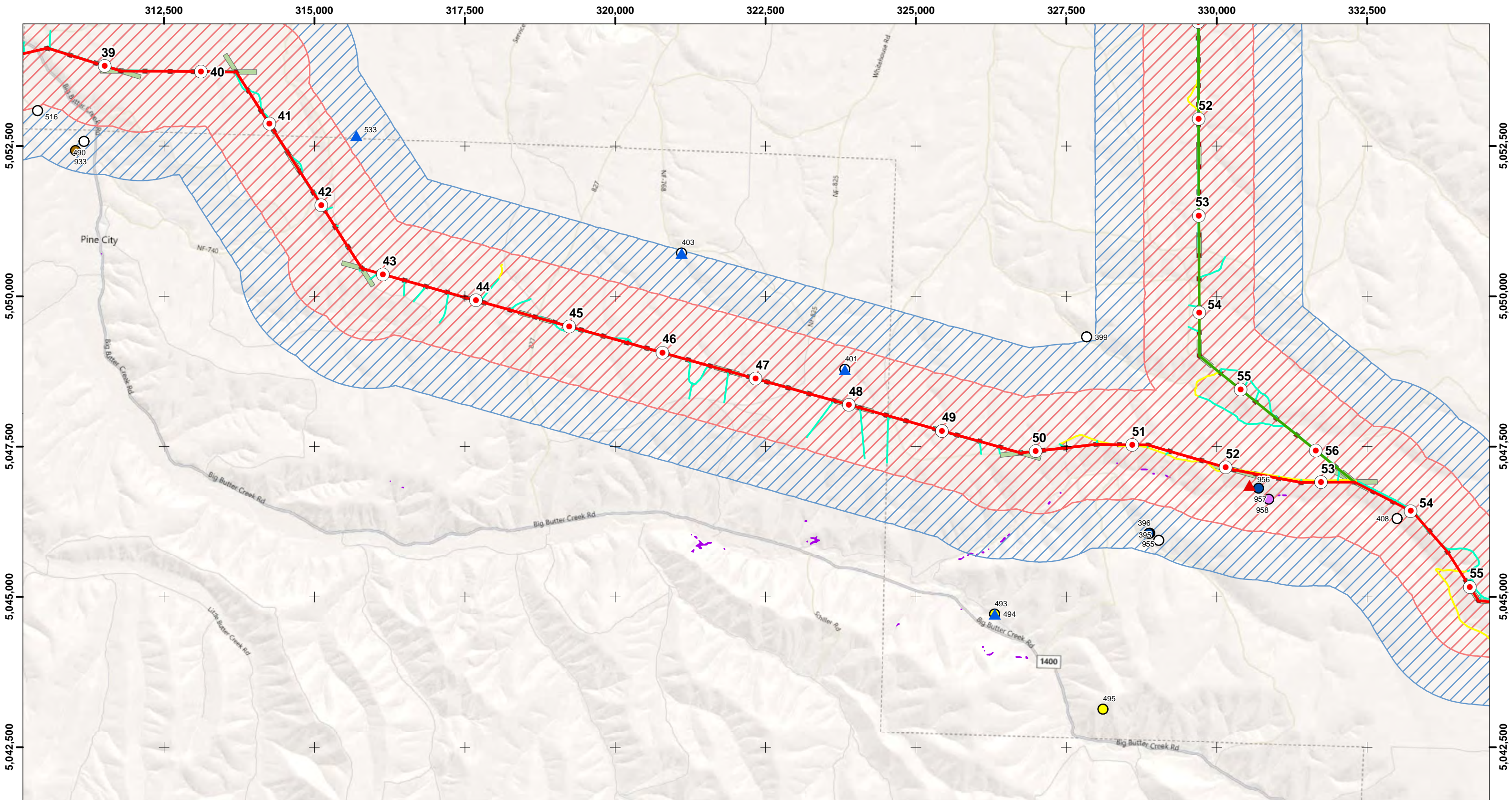
MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

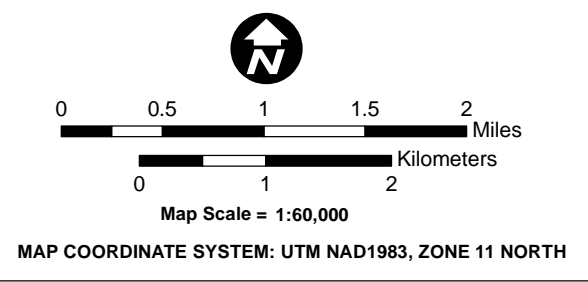
MAP TILE 7





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

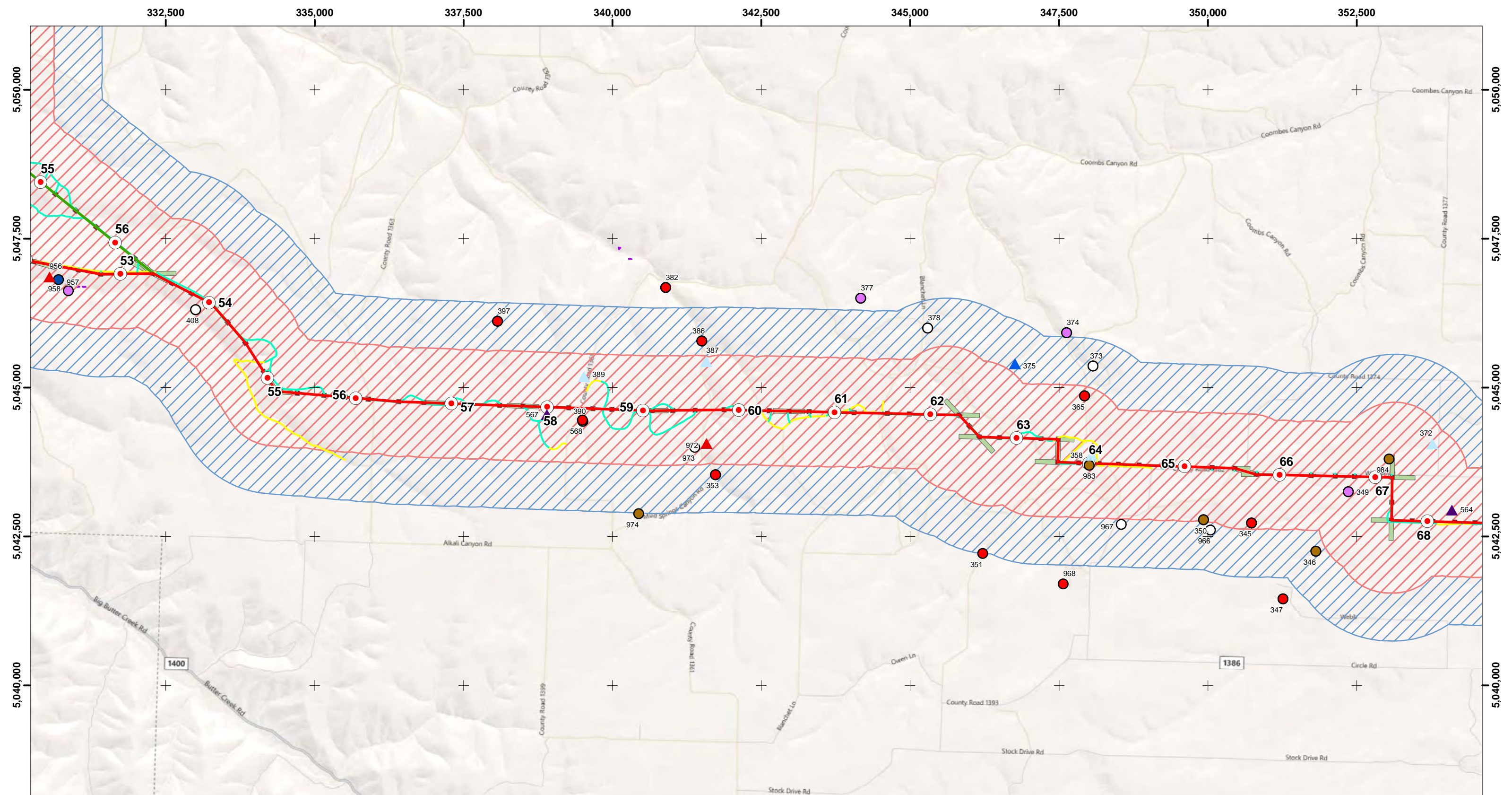
- |   |  |   |
|---|--|---|
| <ul style="list-style-type: none"> <li> Milepost</li> <li> Substation</li> <li> New Road</li> <li> Existing Road - Needs Improvement</li> <li><b>Project Features</b></li> <li> Fly Yard</li> <li> Pulling-Tensioning</li> <li> Regeneration Site</li> <li> Staging Area</li> <li> Structure</li> </ul> | <ul style="list-style-type: none"> <li><b>B2H Transmission Line Routes</b></li> <li> Proposed</li> <li> Alternative</li> <li> Double Circuit 138/69-kV</li> <li> Recocated</li> <li><b>Raptor Survey Areas</b></li> <li> Raptor Survey Area 1/2-Mile</li> <li> Ferruginous Hawk Survey Area 1-Mile</li> <li> Golden Eagle Habitat 2-Miles</li> </ul> | <ul style="list-style-type: none"> <li><b>Observed Raptor Nest Locations (Species)</b></li> <li> Barn Owl</li> <li> Burrowing Owl</li> <li> Common Raven</li> <li> Ferruginous Hawk</li> <li> Golden Eagle</li> <li> Great Horned Owl</li> <li> Long-eared Owl</li> <li> Osprey</li> <li> Prairie Falcon</li> <li> Red-tailed Hawk</li> <li> Sharp-shinned Hawk</li> <li> Short-eared Owl</li> <li> Swainson's Hawk</li> <li> Inactive</li> </ul> |
|---|--|---|



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 8





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                              |                                     |
|-----------------------------------|------------------------------|-------------------------------------|
| Milepost                          | Substation                   | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                     | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                  | Recocated                           |
| <b>Project Features</b>           | Staging Area                 | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                    | Ferruginous Hawk Survey Area 1-Mile |
| Pulling-Tensioning                | Structure                    | Raptor Survey Area 1/2-Mile         |
| Regeneration Site                 | Golden Eagle Habitat 2-Miles |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles

0 1 2 Kilometers

Map Scale = 1:60,000

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

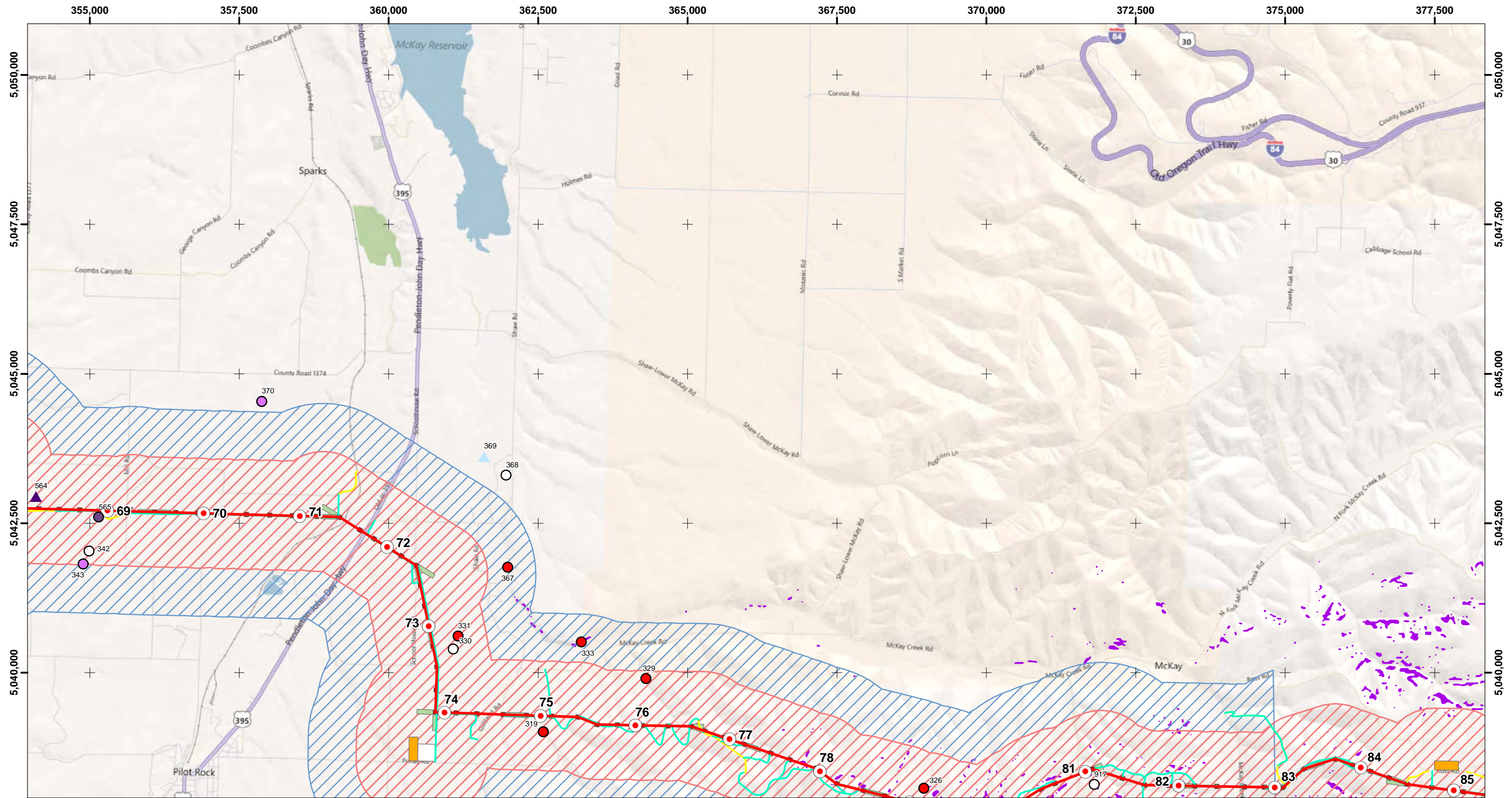


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 9





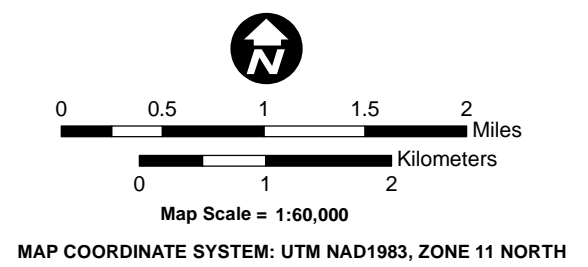


**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- Milepost
- Substation
- B2H Transmission Line Routes - Proposed
- B2H Transmission Line Routes - Double Circuit 138/69-kV
- B2H Transmission Line Routes - Alternative
- B2H Transmission Line Routes - Recocated
- Project Features - Fly Yard
- Project Features - Pulling-Tensioning
- Project Features - Regeneration Site
- Project Features - Staging Area
- Project Features - Structure
- Raptor Survey Area 1/2-Mile
- Ferruginous Hawk Survey Area 1-Mile
- Golden Eagle Habitat 2-Miles

**Observed Raptor Nest Locations (Species)**

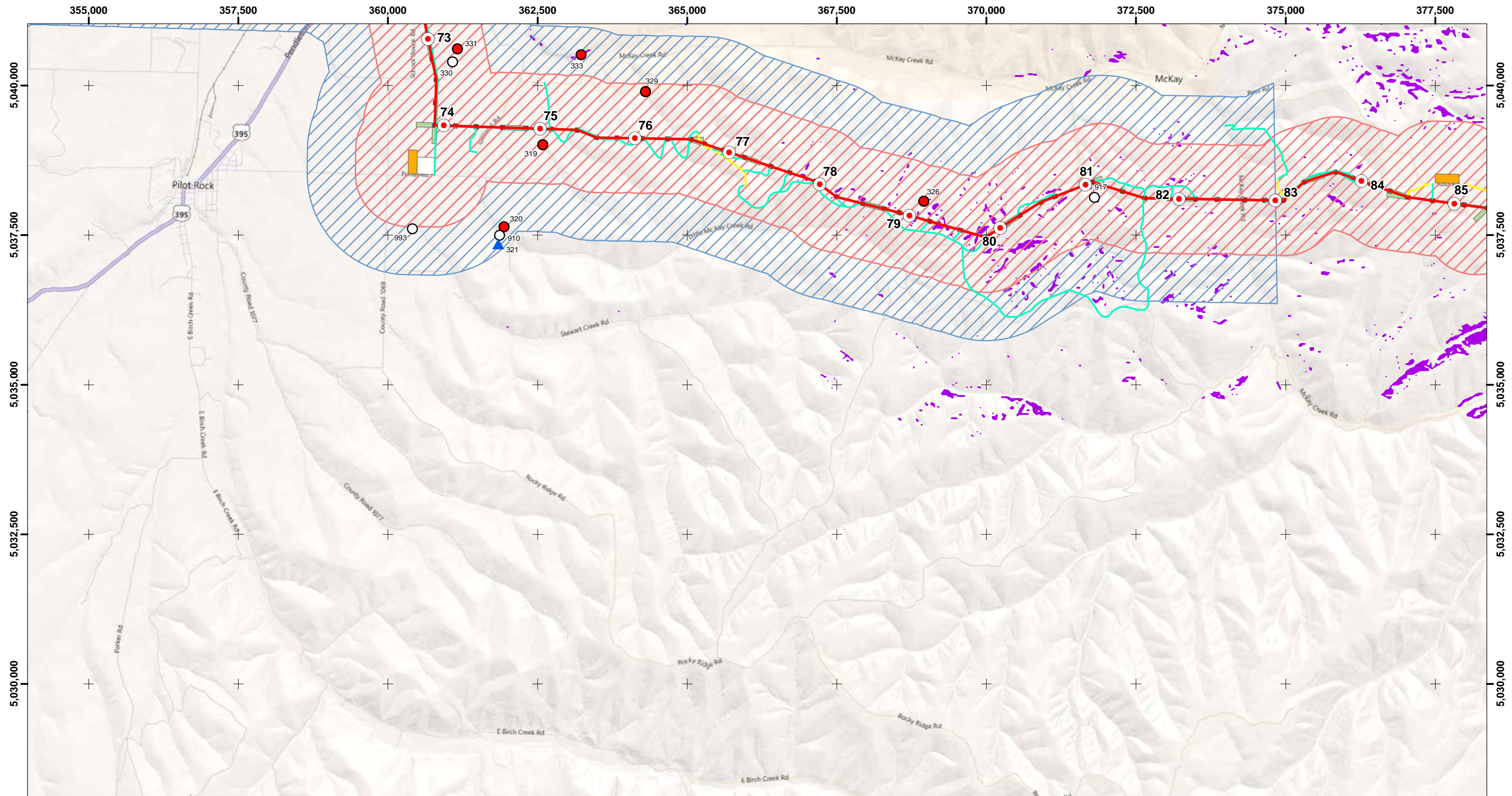
- Barn Owl
- Long-eared Owl
- Swainson's Hawk
- Burrowing Owl
- Osprey
- Inactive
- Common Raven
- Prairie Falcon
- Ferruginous Hawk
- Red-tailed Hawk
- Golden Eagle
- Sharp-shinned Hawk
- Great Horned Owl
- Short-eared Owl



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 10

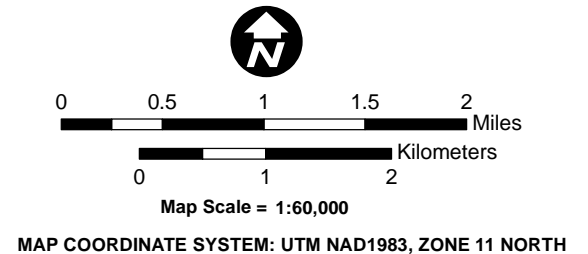




**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |                                     |
|-----------------------------------|--------------|-------------------------------------|-------------------------------------|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |                                     |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |                                     |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |                                     |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |                                     |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         | Ferruginous Hawk Survey Area 1-Mile |
| Pulling-Tensioning                | Structure    | Golden Eagle Habitat 2-Miles        |                                     |
| Regeneration Site                 |              |                                     |                                     |

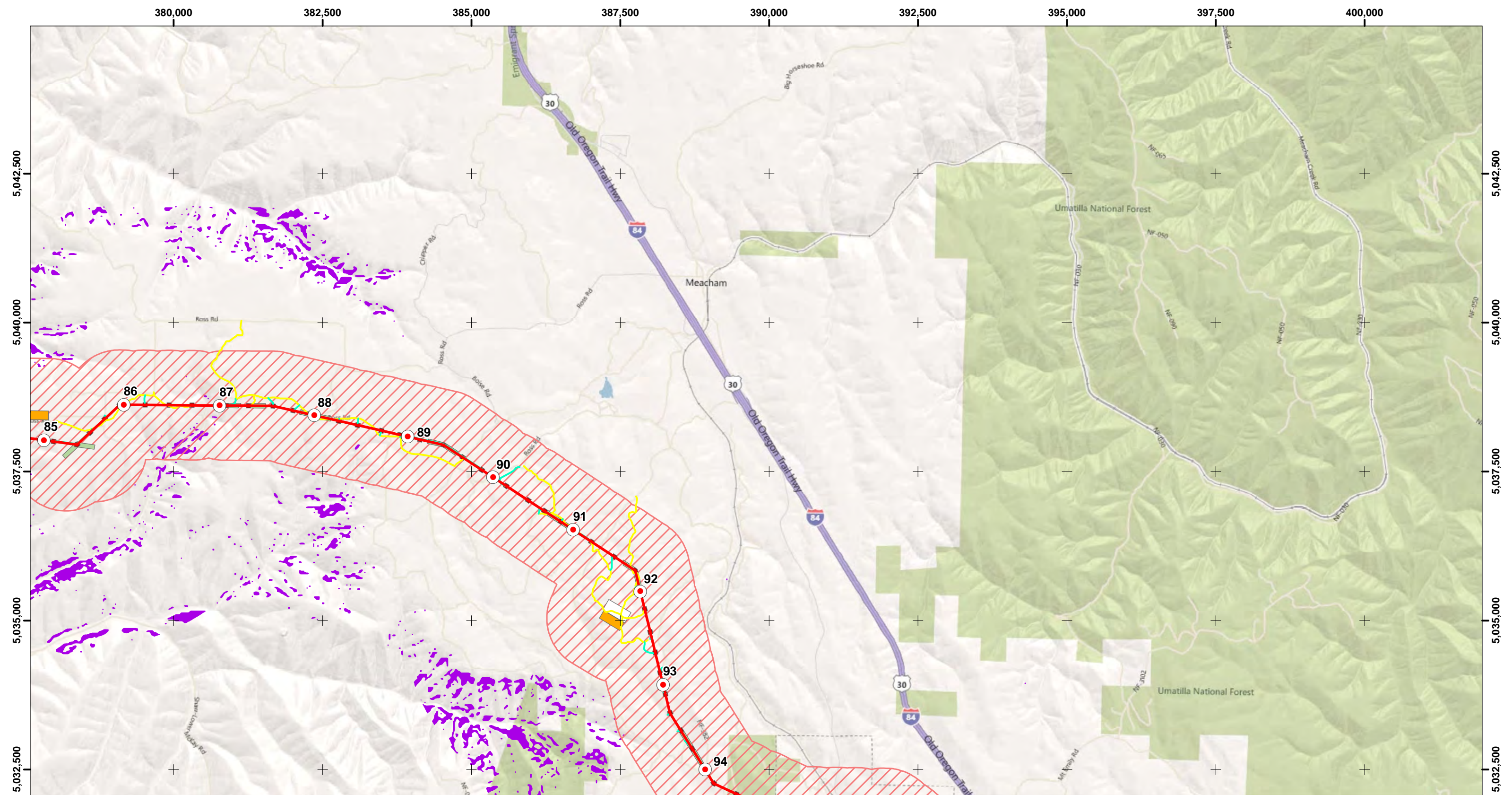
- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 11





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                             |                                     |
|-----------------------------------|-----------------------------|-------------------------------------|
| Milepost                          | Substation                  | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                    | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                 | Recocated                           |
| <b>Project Features</b>           | Raptor Survey Area 1/2-Mile |                                     |
| Fly Yard                          | Staging Area                | Ferruginous Hawk Survey Area 1-Mile |
| Pulling-Tensioning                | Structure                   | Golden Eagle Habitat 2-Miles        |
| Regeneration Site                 |                             |                                     |

**Observed Raptor Nest Locations (Species)**

- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles  
0 1 2 Kilometers

Map Scale = 1:60,000

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

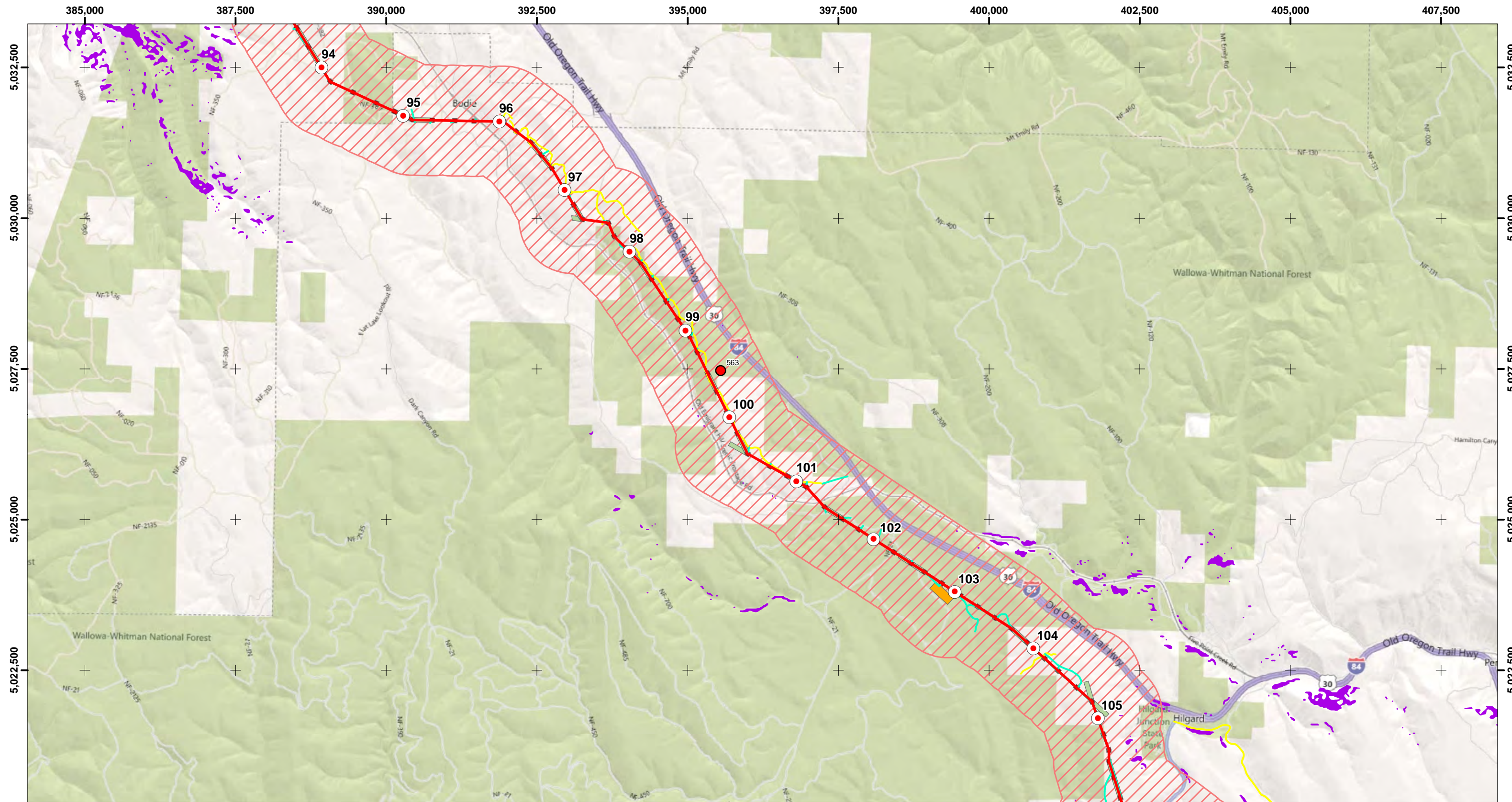


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 12



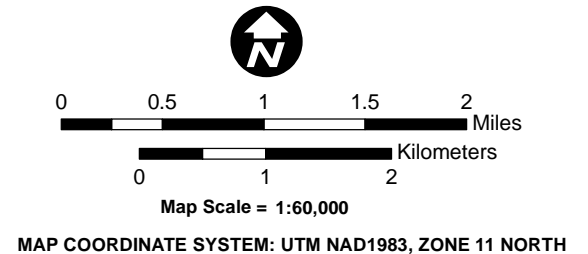




**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                              |                                     |
|-----------------------------------|------------------------------|-------------------------------------|
| Milepost                          | Substation                   | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                     | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                  | Recocated                           |
| <b>Project Features</b>           | Staging Area                 | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                    | Raptor Survey Area 1/2-Mile         |
| Pulling-Tensioning                | Golden Eagle Habitat 2-Miles | Ferruginous Hawk Survey Area 1-Mile |
| Regeneration Site                 |                              |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

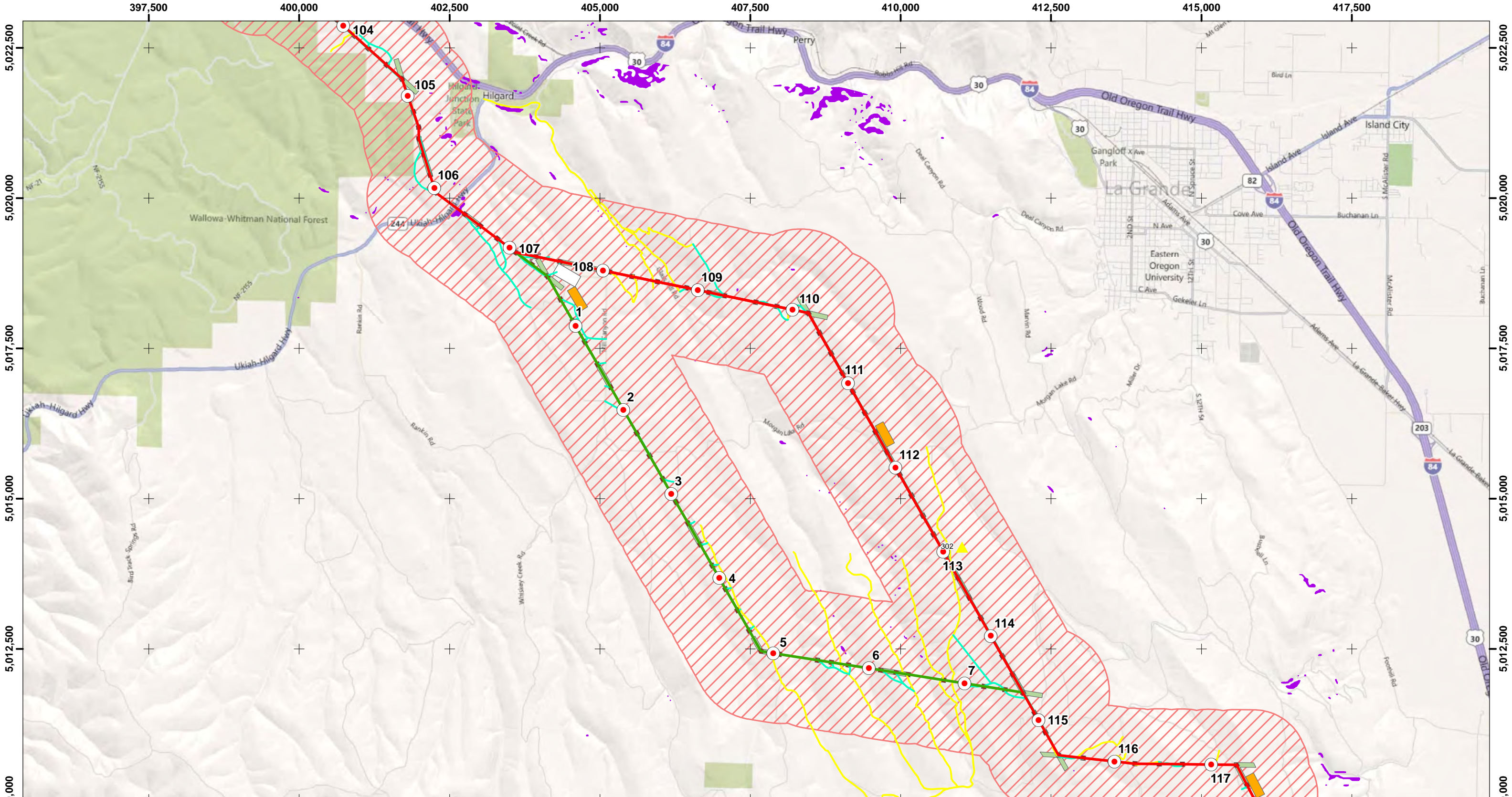


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 13







**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                              |                                     |
|-----------------------------------|------------------------------|-------------------------------------|
| Milepost                          | Substation                   | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                     | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                  | Recocated                           |
| <b>Project Features</b>           | Staging Area                 | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                    | Raptor Survey Area 1/2-Mile         |
| Pulling-Tensioning                | Golden Eagle Habitat 2-Miles | Ferruginous Hawk Survey Area 1-Mile |
| Regeneration Site                 |                              |                                     |

**Observed Raptor Nest Locations (Species)**

- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles  
0 1 2 Kilometers

Map Scale = 1:60,000

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

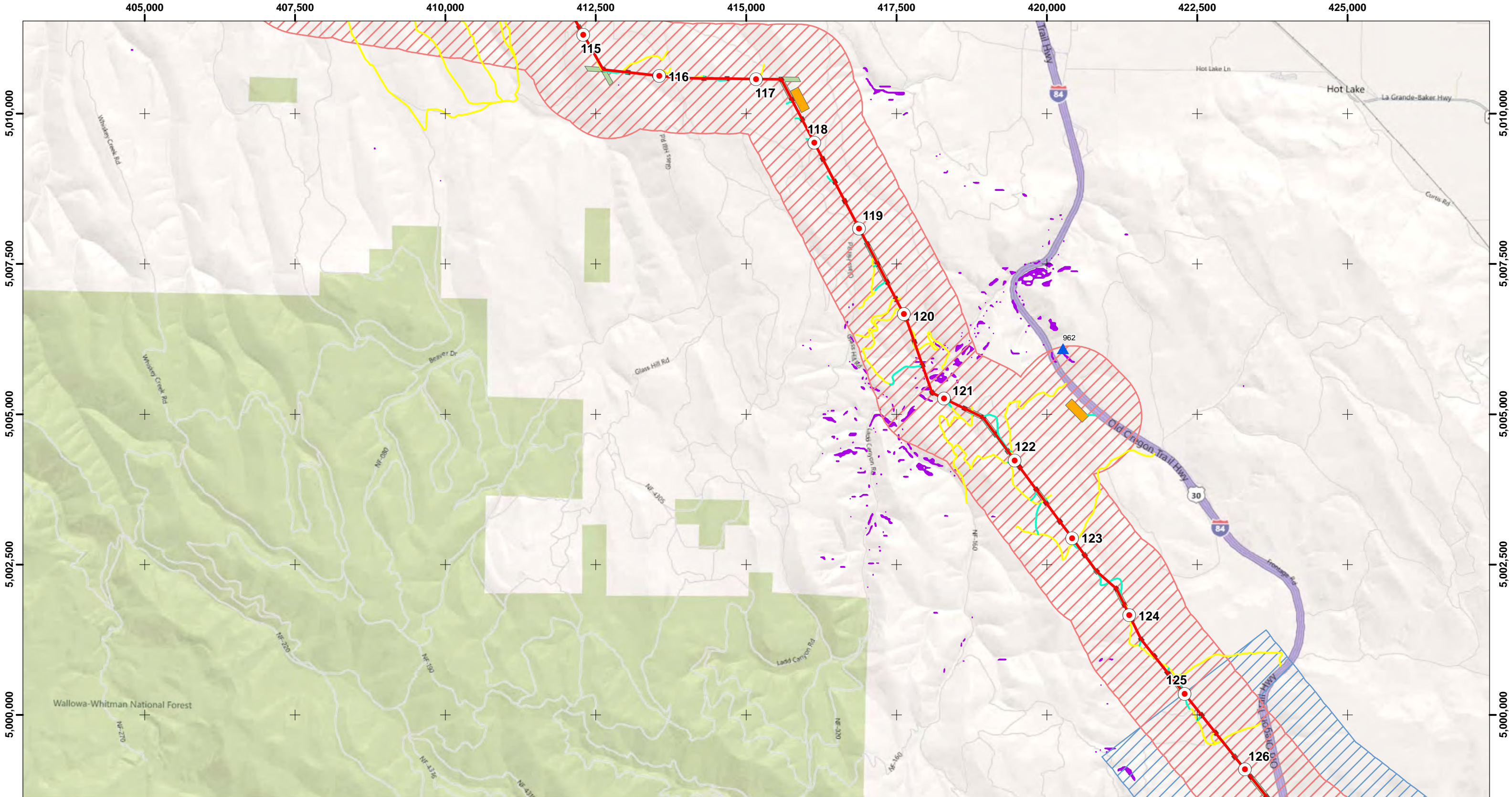


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 14



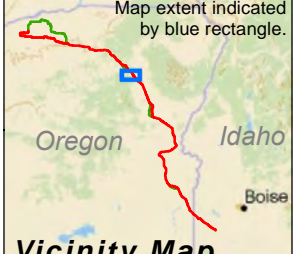
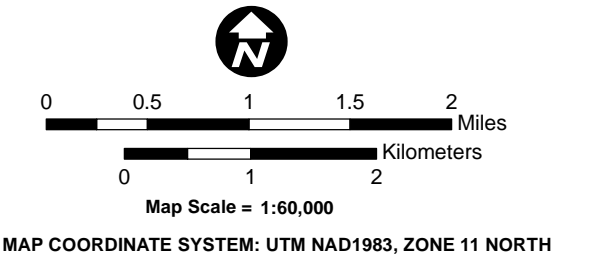




**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

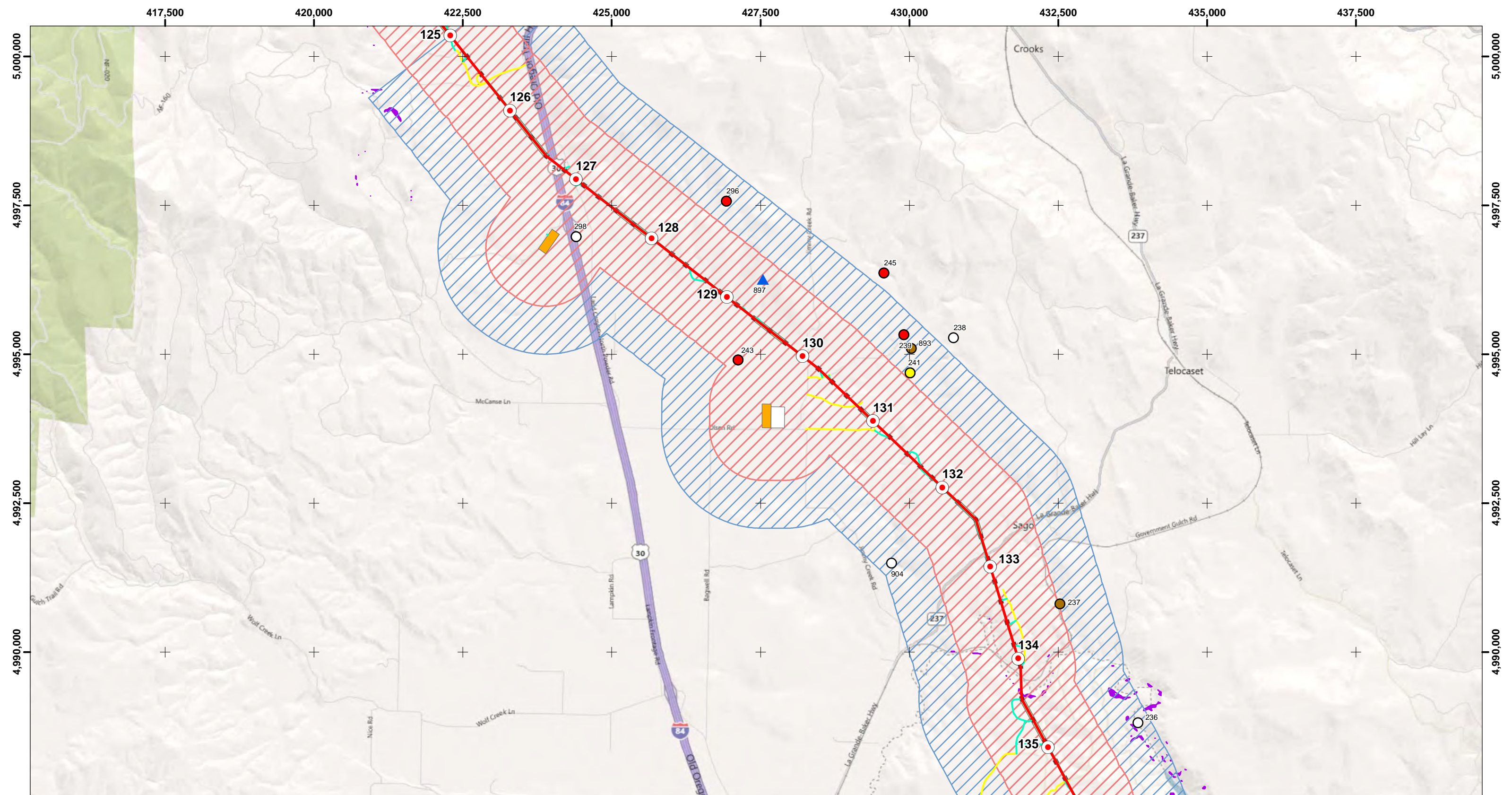


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 15

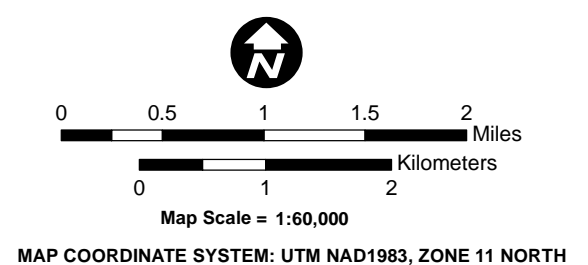






**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

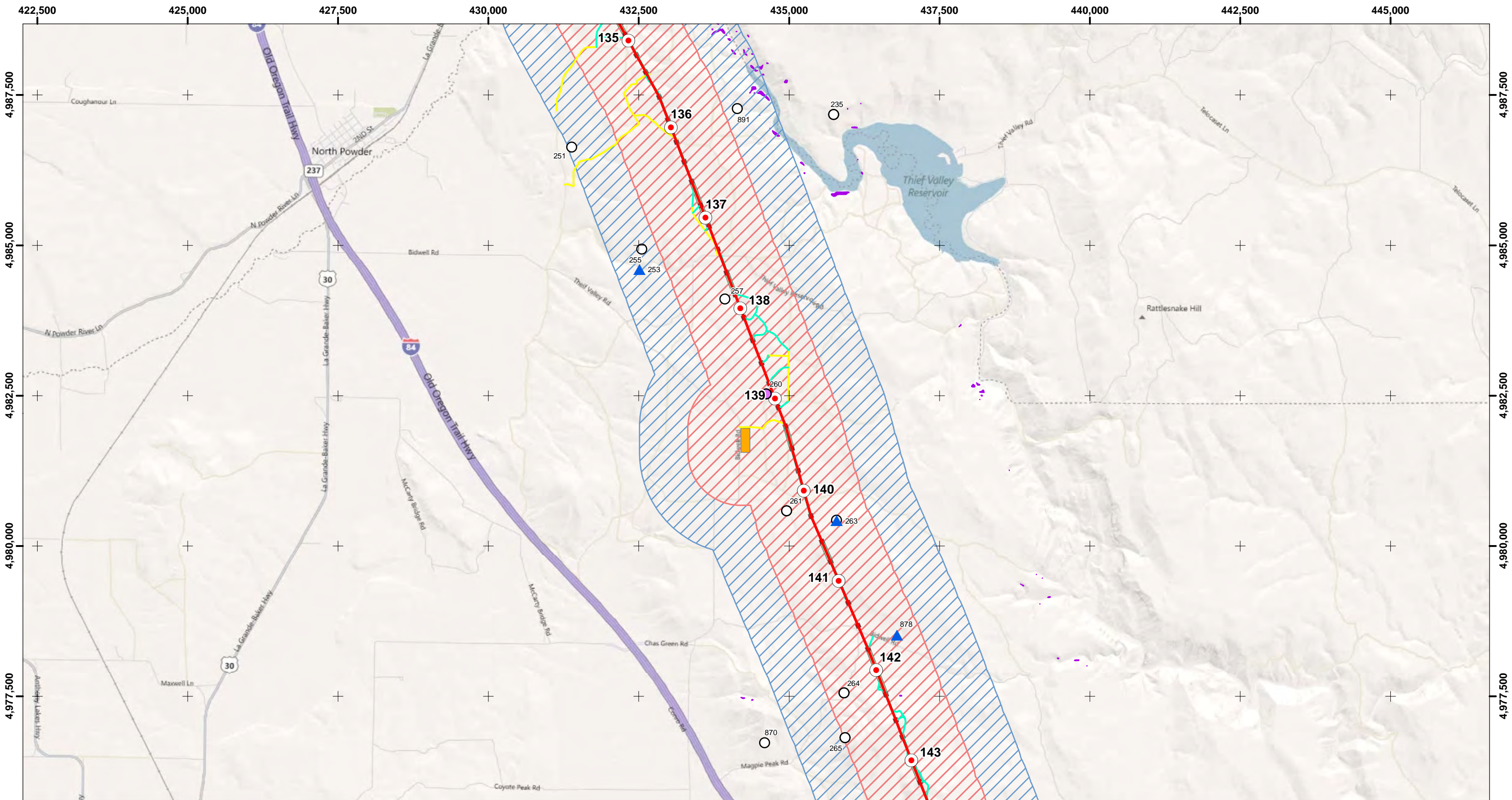
- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li> Milepost</li> <li> Substation</li> <li> Proposed</li> <li> Alternative</li> <li> Recocated</li> <li> Fly Yard</li> <li> Pulling-Tensioning</li> <li> Regeneration Site</li> </ul> | <ul style="list-style-type: none"> <li> Double Circuit 138/69-kV</li> <li> Raptor Survey Area 1/2-Mile</li> <li> Ferruginous Hawk Survey Area 1-Mile</li> <li> Golden Eagle Habitat 2-Miles</li> </ul> | <ul style="list-style-type: none"> <li> Barn Owl</li> <li> Burrowing Owl</li> <li> Common Raven</li> <li> Ferruginous Hawk</li> <li> Golden Eagle</li> <li> Great Horned Owl</li> <li> Long-eared Owl</li> <li> Osprey</li> <li> Prairie Falcon</li> <li> Red-tailed Hawk</li> <li> Sharp-shinned Hawk</li> <li> Short-eared Owl</li> <li> Swainson's Hawk</li> <li> Inactive</li> </ul> |
|---|--|--|



**BOARDMAN - HEMINGWAY  
 TRANSMISSION LINE PROJECT**  
**OREGON - IDAHO**  
 2011 TECHNICAL REPORT

**MAP TILE 16**





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

Map Scale = 1:60,000

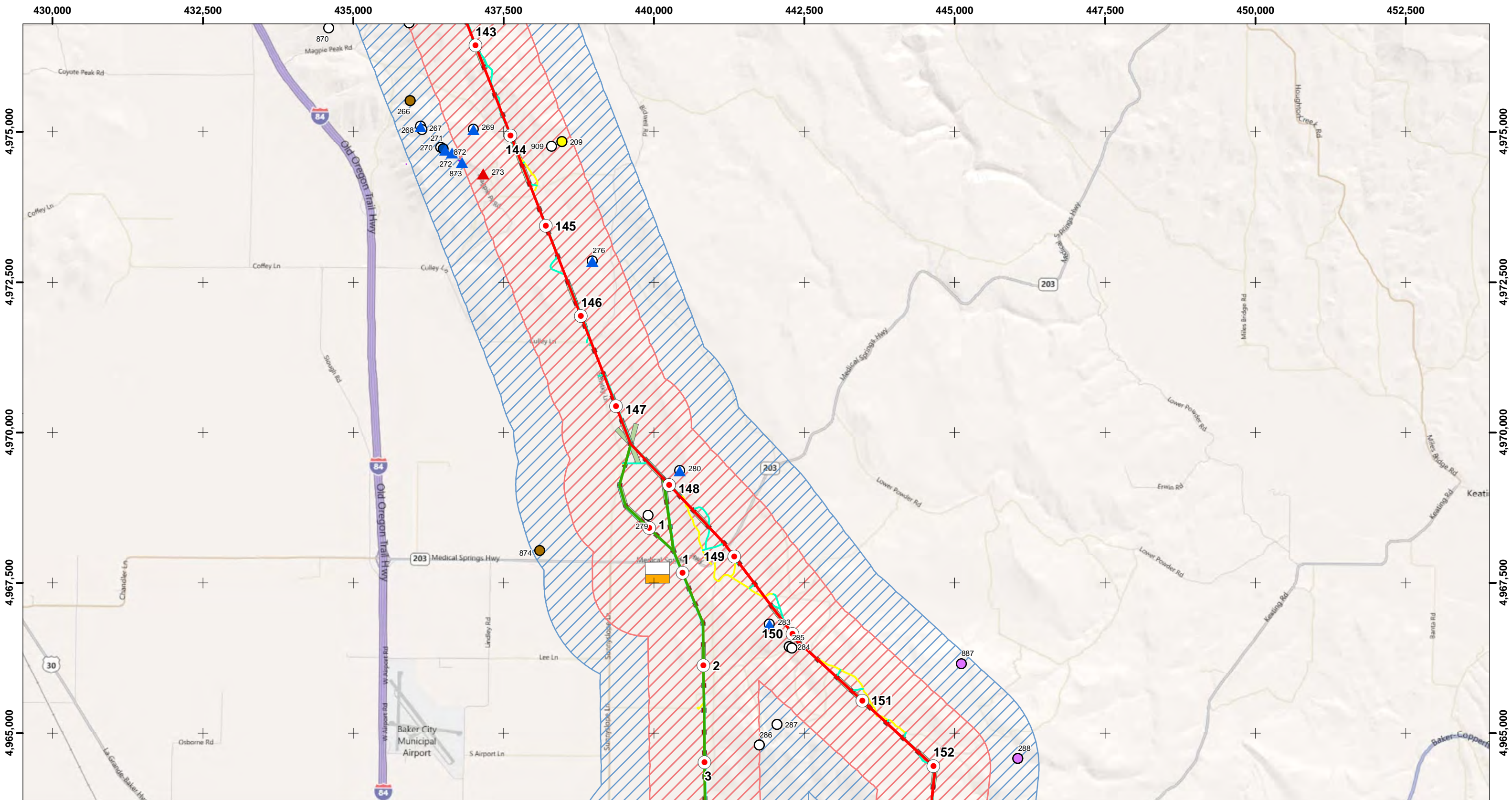
MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH



**BOARDMAN - HEMINGWAY**  
**TRANSMISSION LINE PROJECT**  
**OREGON - IDAHO**  
 2011 TECHNICAL REPORT

MAP TILE 17





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                              |                                     |
|-----------------------------------|------------------------------|-------------------------------------|
| Milepost                          | Substation                   | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                     | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                  | Recocated                           |
| <b>Project Features</b>           | Staging Area                 | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                    | Raptor Survey Area 1/2-Mile         |
| Pulling-Tensioning                | Golden Eagle Habitat 2-Miles | Ferruginous Hawk Survey Area 1-Mile |
| Regeneration Site                 |                              |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles

0 1 2 Kilometers

Map Scale = 1:60,000

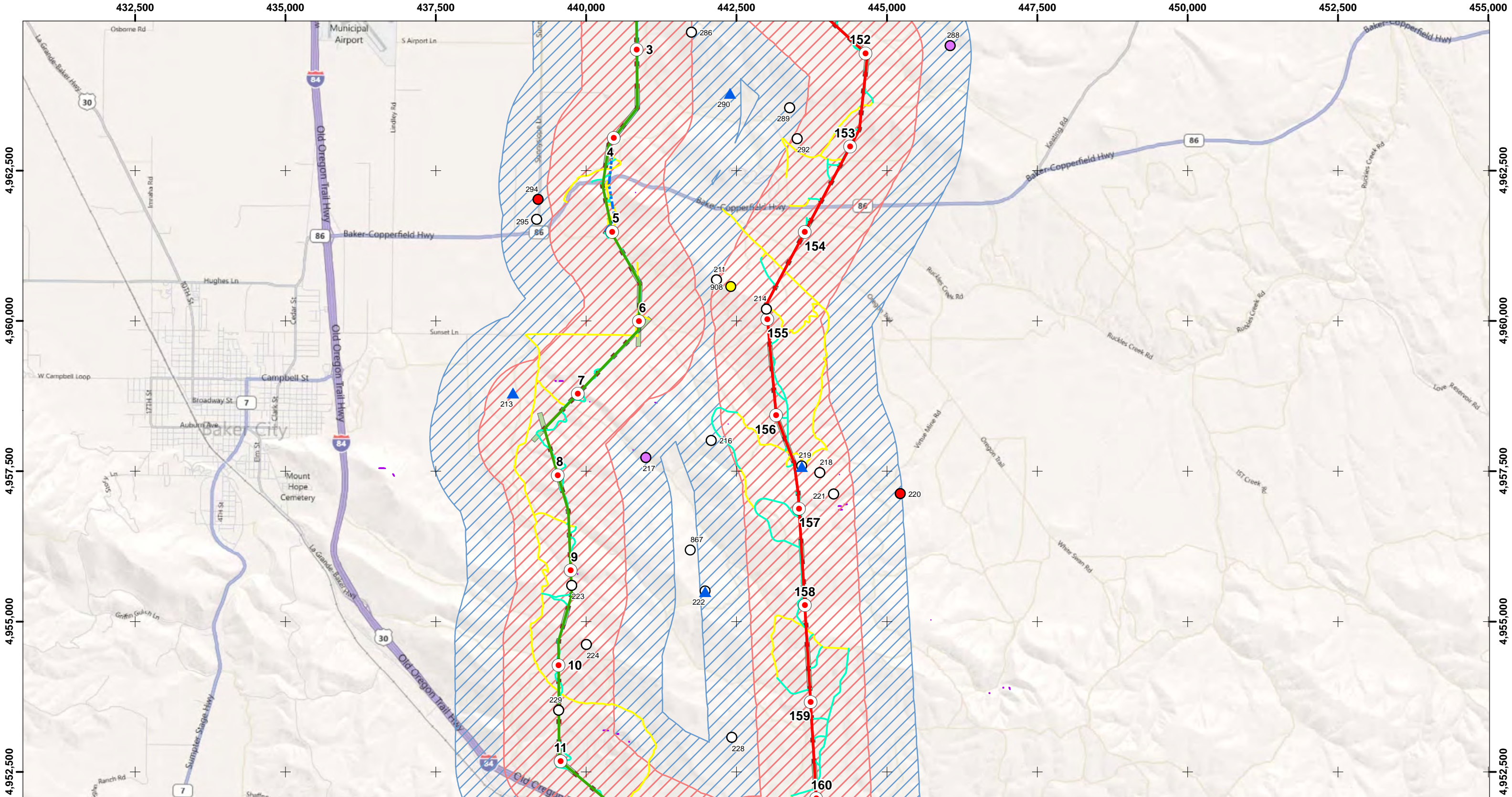
MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 18





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                              |                                     |
|-----------------------------------|------------------------------|-------------------------------------|
| Milepost                          | Substation                   | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                     | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                  | Recocated                           |
| <b>Project Features</b>           | Staging Area                 | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                    | Raptor Survey Area 1/2-Mile         |
| Pulling-Tensioning                | Golden Eagle Habitat 2-Miles | Ferruginous Hawk Survey Area 1-Mile |
| Regeneration Site                 |                              |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles

0 1 2 Kilometers

Map Scale = 1:60,000

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

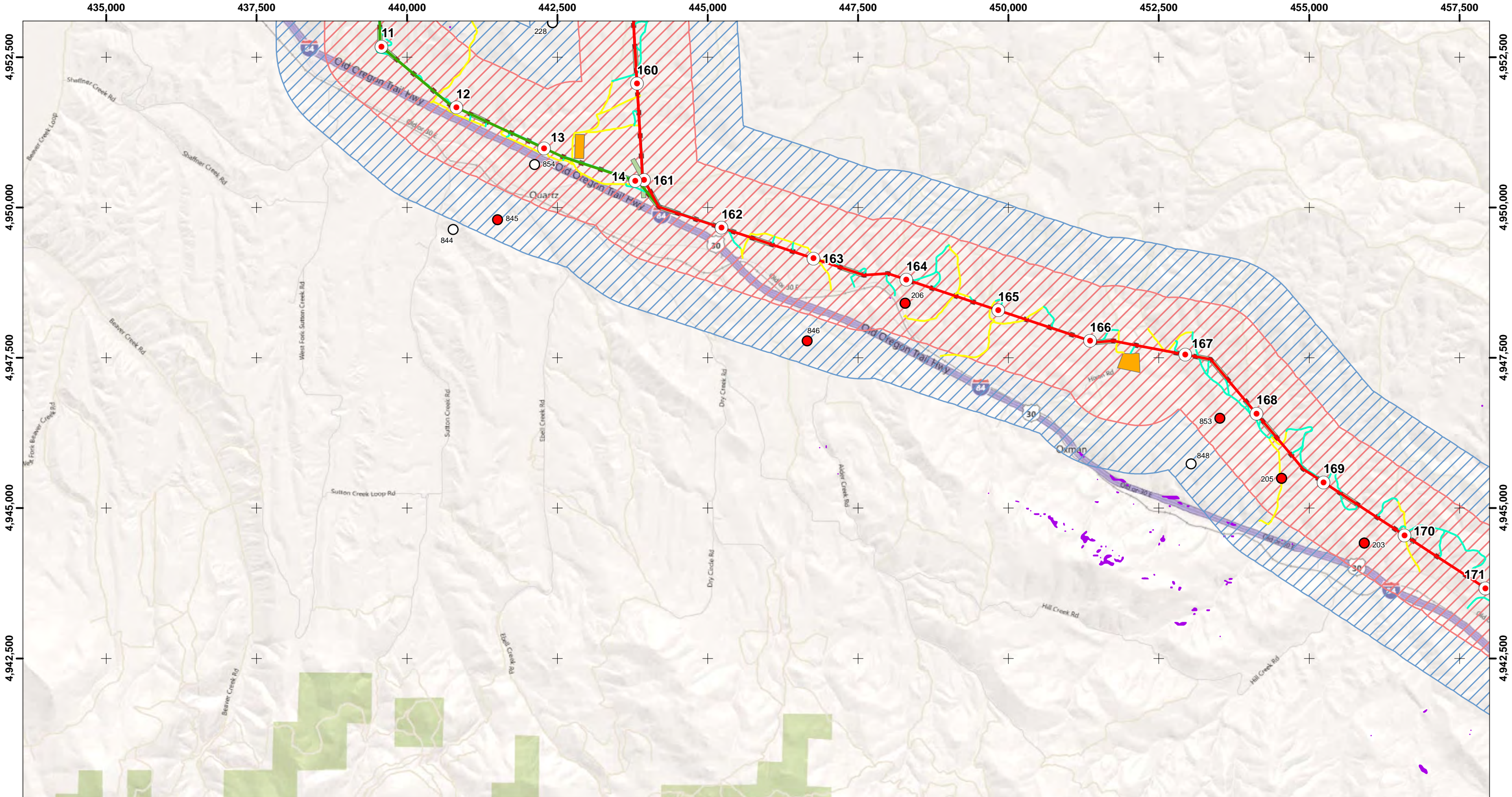


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 19







**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- Milepost
- Substation
- Proposed
- Alternative
- Recocated
- Fly Yard
- Pulling-Tensioning
- Regeneration Site
- Staging Area
- Structure
- Raptor Survey Area 1/2-Mile
- Ferruginous Hawk Survey Area 1-Mile
- Golden Eagle Habitat 2-Miles
- Double Circuit 138/69-kV
- Recocated

- Observed Raptor Nest Locations (Species)**
- Barn Owl
  - Burrowing Owl
  - Common Raven
  - Ferruginous Hawk
  - Golden Eagle
  - Great Horned Owl
  - Long-eared Owl
  - Osprey
  - Prairie Falcon
  - Red-tailed Hawk
  - Sharp-shinned Hawk
  - Short-eared Owl
  - Swainson's Hawk
  - Inactive

0 0.5 1 1.5 2 Miles

0 1 2 Kilometers

Map Scale = 1:60,000

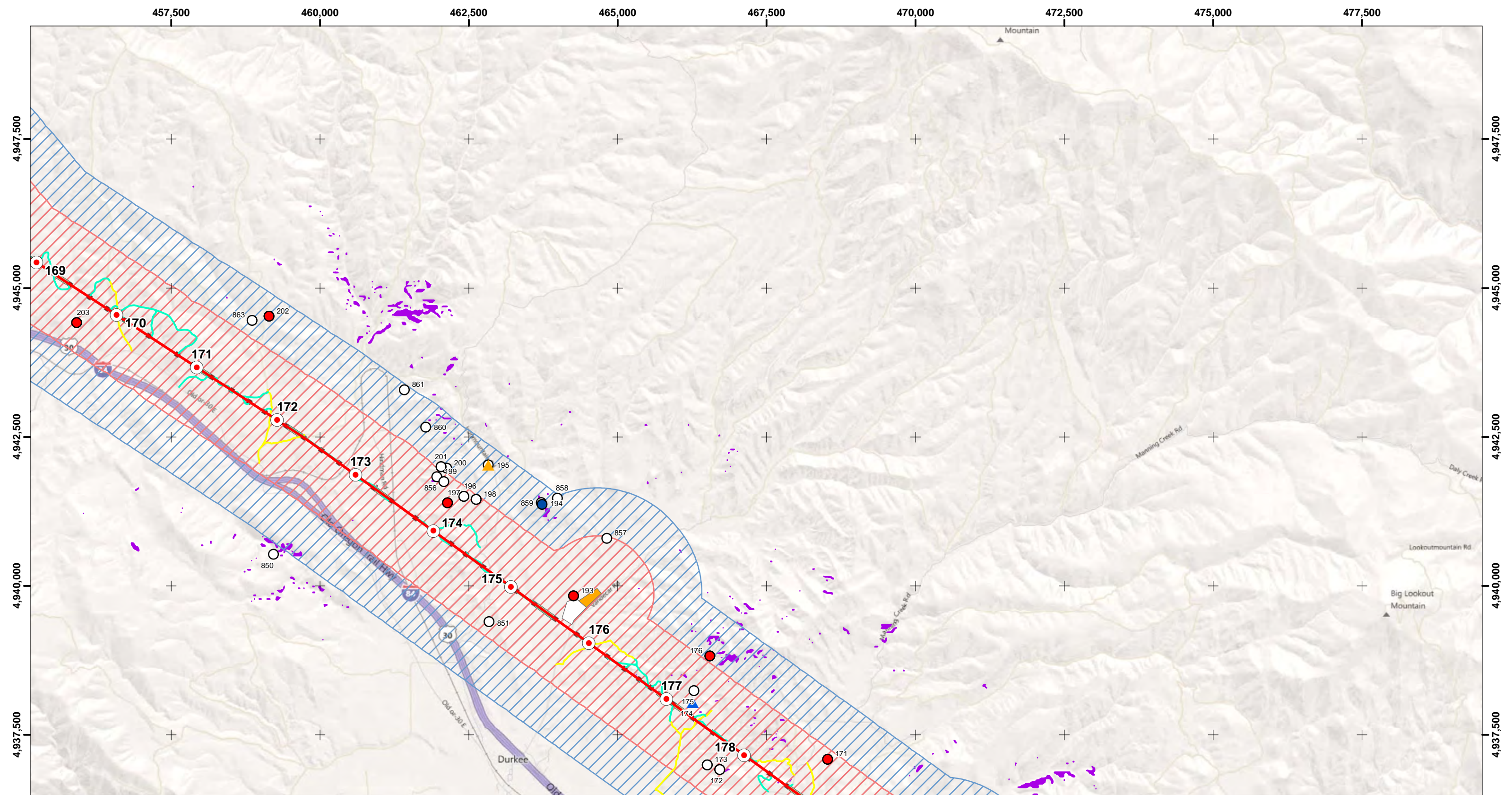
MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 20





**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

**Observed Raptor Nest Locations (Species)**

- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles  
0 1 2 Kilometers

Map Scale = 1:60,000

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

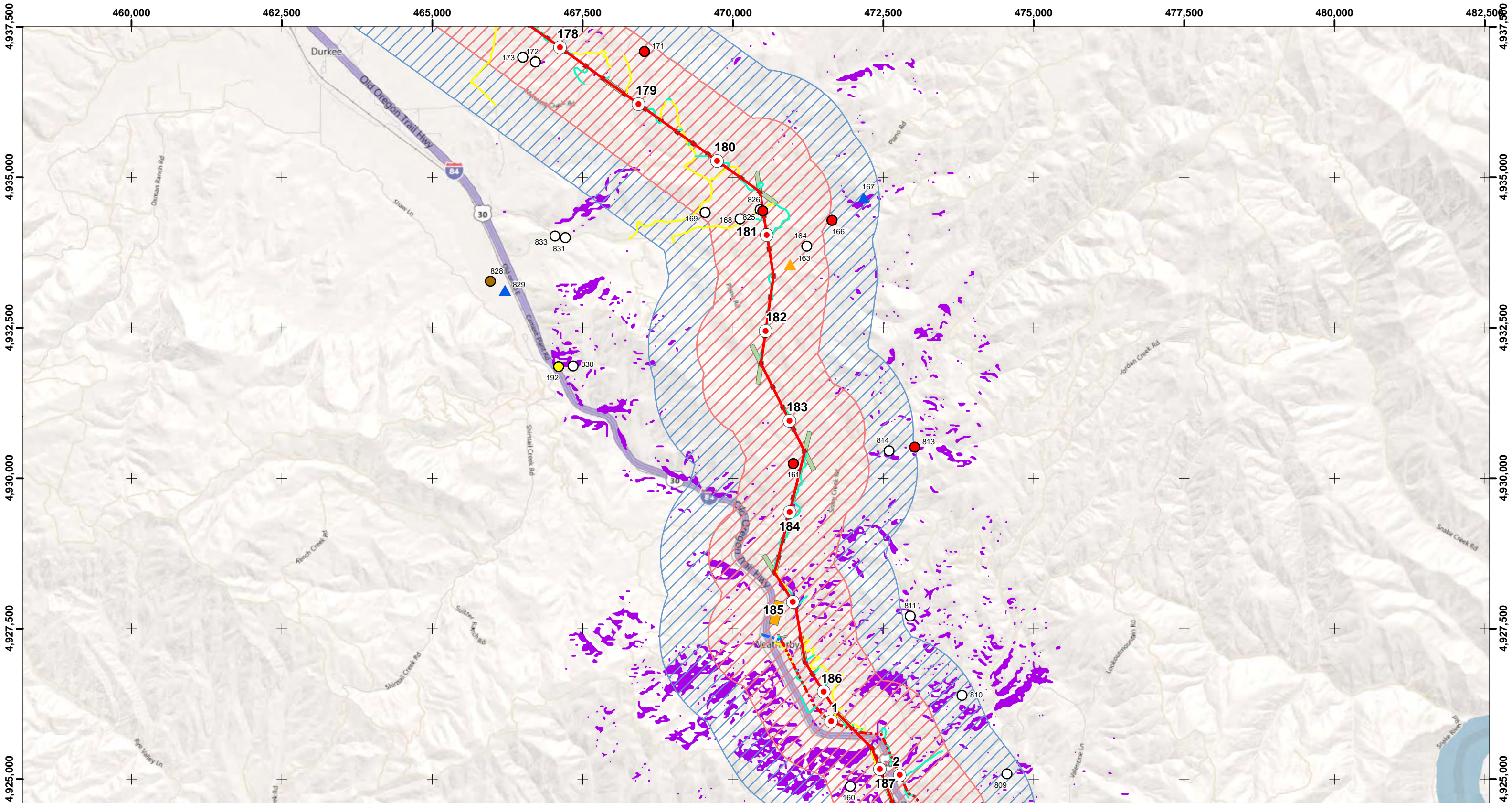


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 21







**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

**Observed Raptor Nest Locations (Species)**

- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

Map Scale = 1:60,000  
 MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

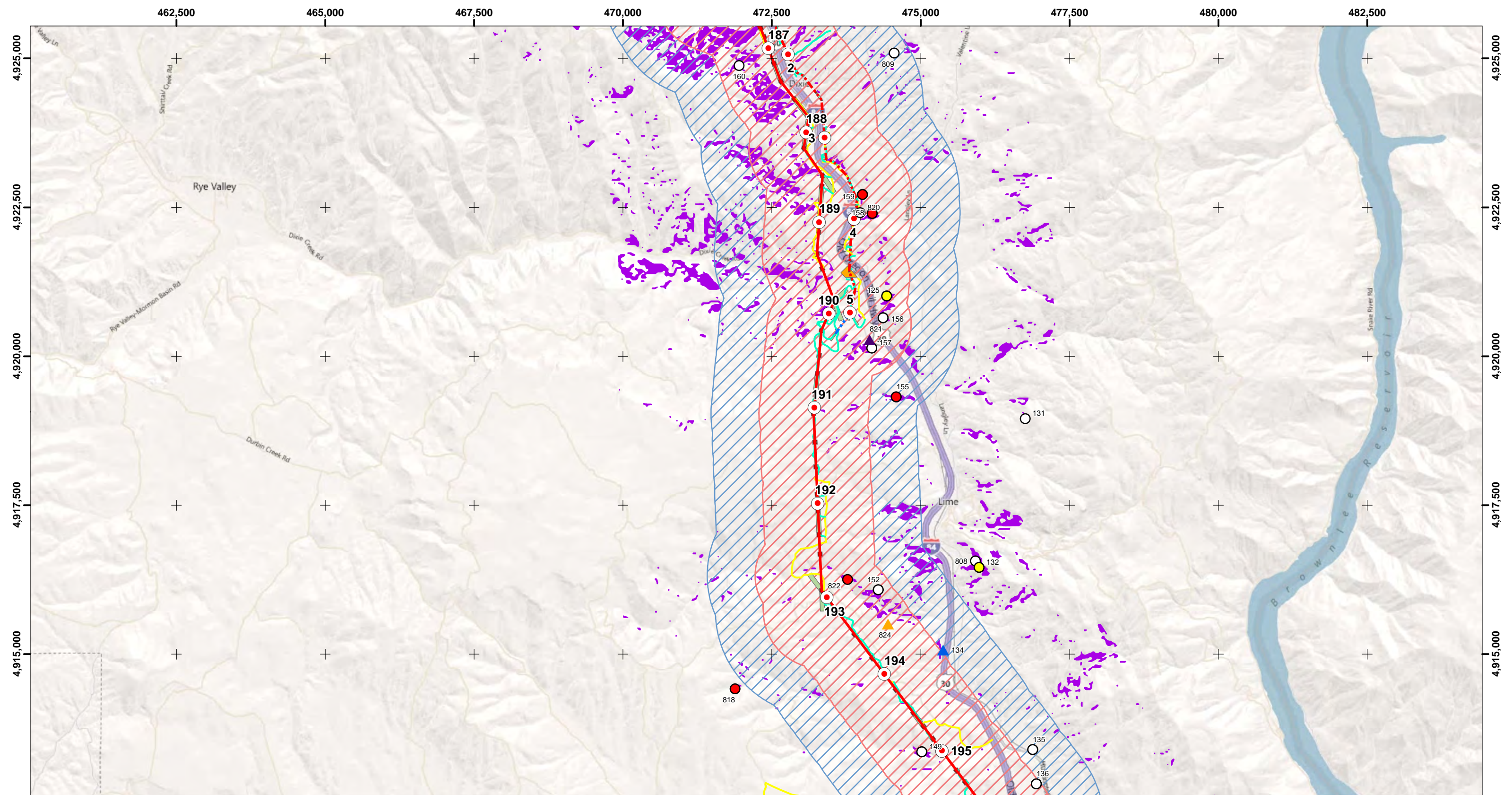


**BOARDMAN - HEMINGWAY  
 TRANSMISSION LINE PROJECT  
 OREGON - IDAHO  
 2011 TECHNICAL REPORT**

MAP TILE 22



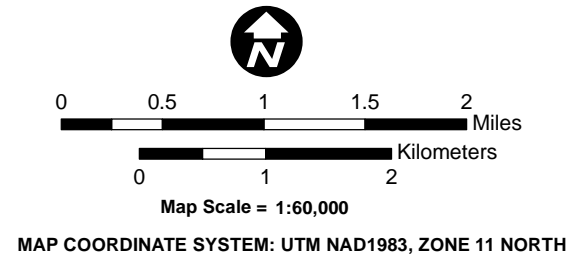




**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

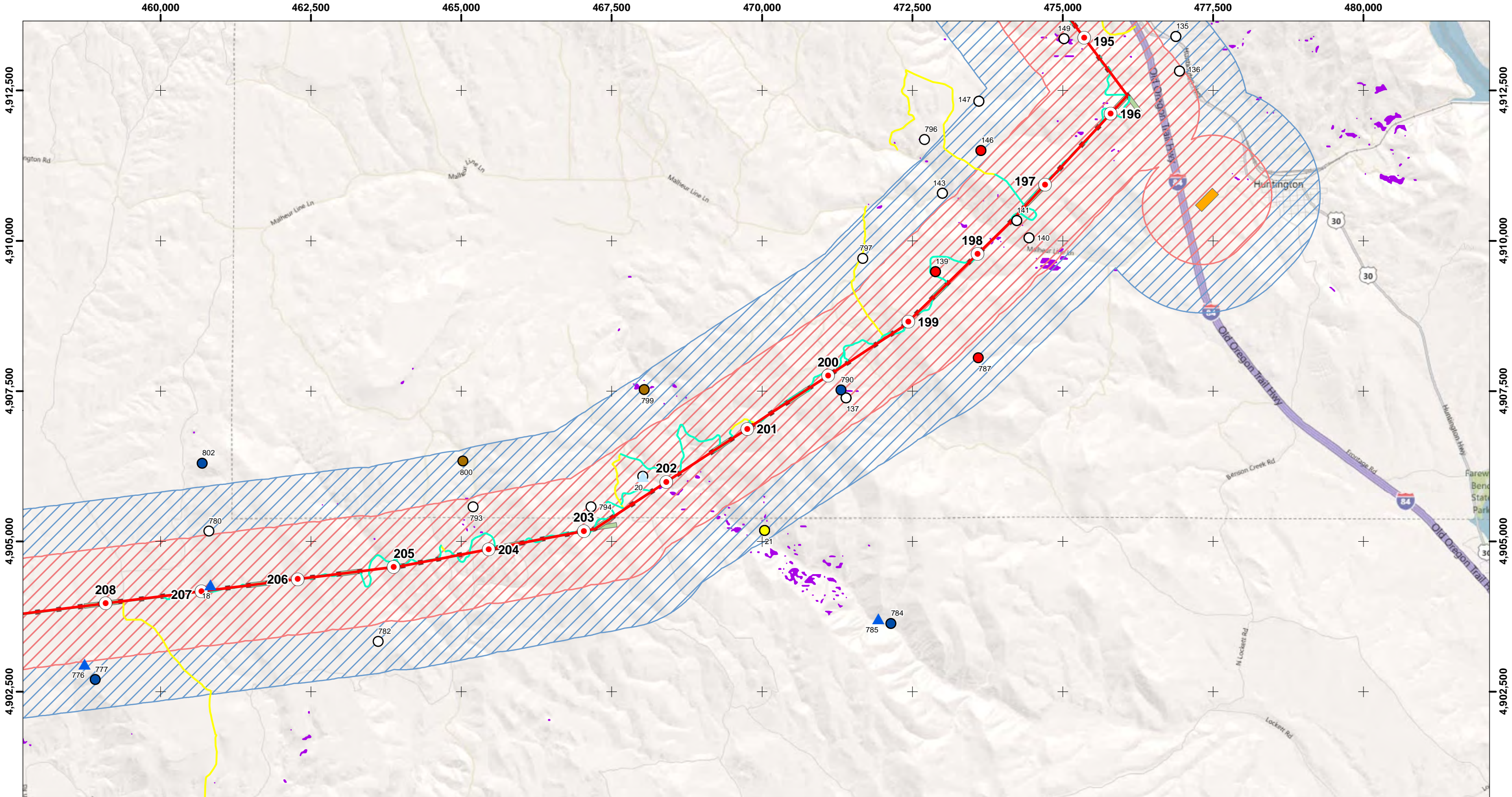


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 23







**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

**Observed Raptor Nest Locations (Species)**

- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

Map Scale = 1:60,000

0 0.5 1 1.5 2 Miles

0 1 2 Kilometers

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

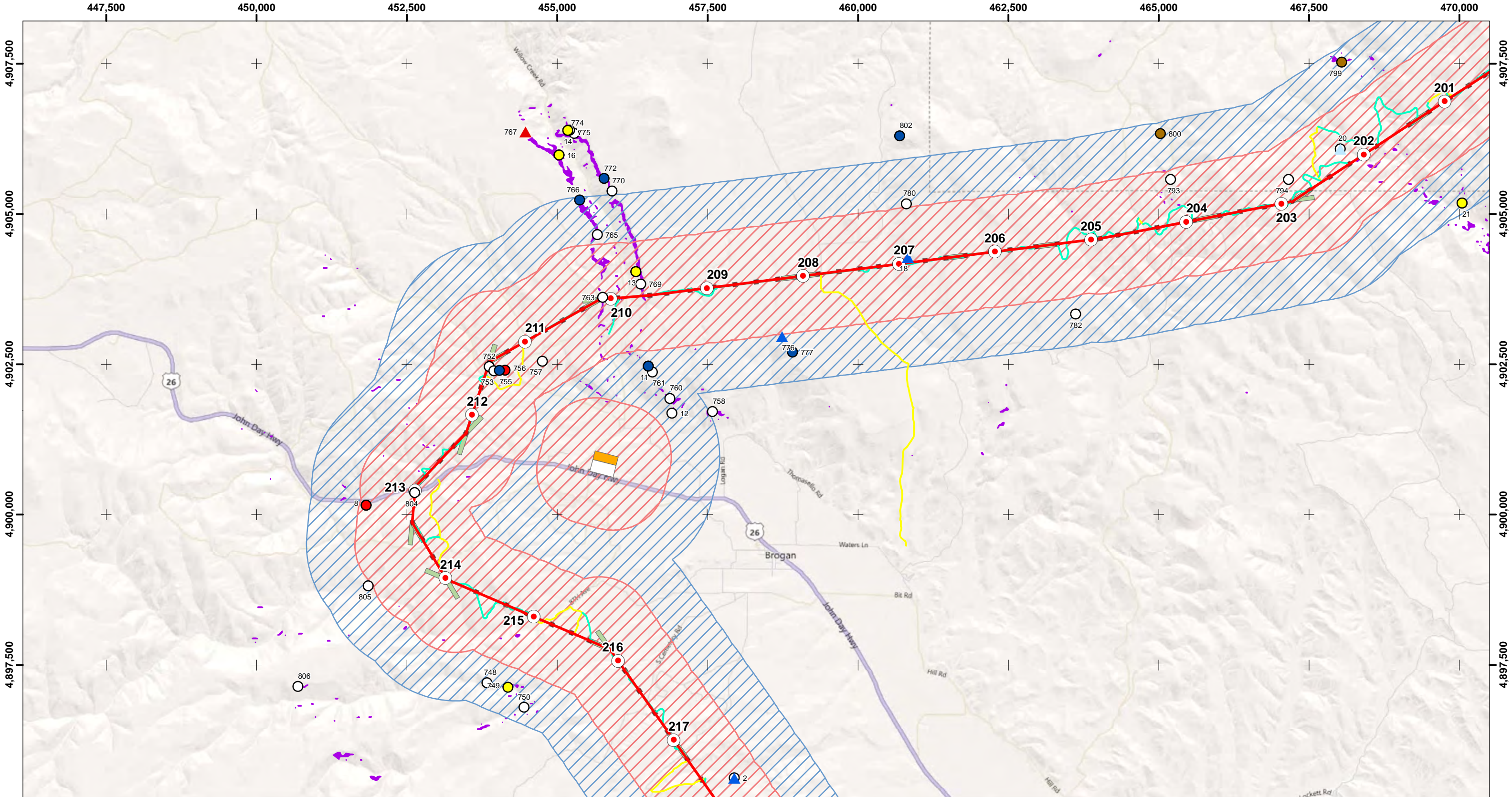


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 24







**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                                     |                                     |
|-----------------------------------|-------------------------------------|-------------------------------------|
| Milepost                          | Substation                          | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                            | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                         | Recocated                           |
| <b>Project Features</b>           | Staging Area                        | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                           | Raptor Survey Area 1/2-Mile         |
| Pulling-Tensioning                | Ferruginous Hawk Survey Area 1-Mile | Golden Eagle Habitat 2-Miles        |
| Regeneration Site                 |                                     |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles

0 1 2 Kilometers

Map Scale = 1:60,000

MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH

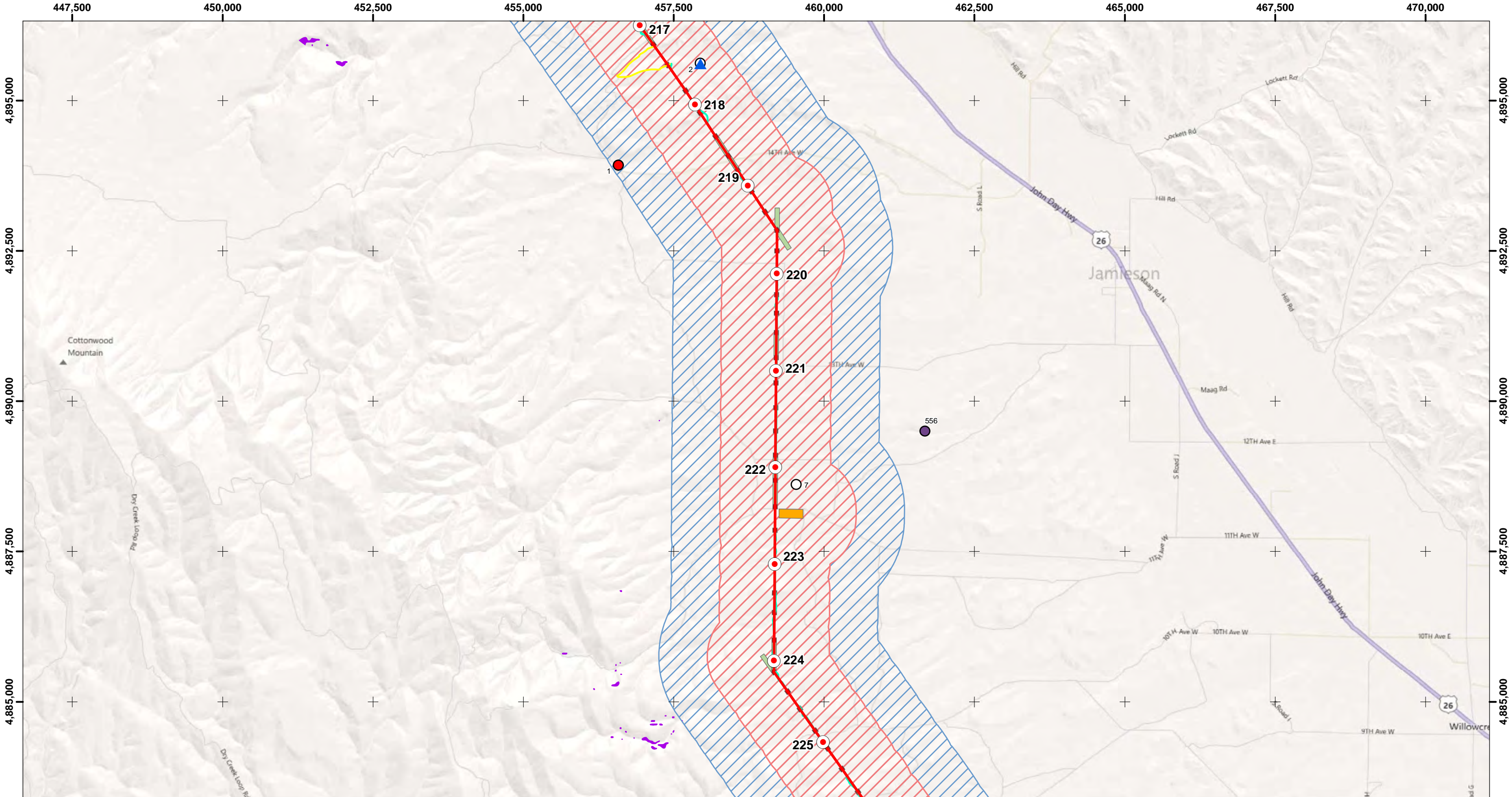


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO**

2011 TECHNICAL REPORT

MAP TILE 25



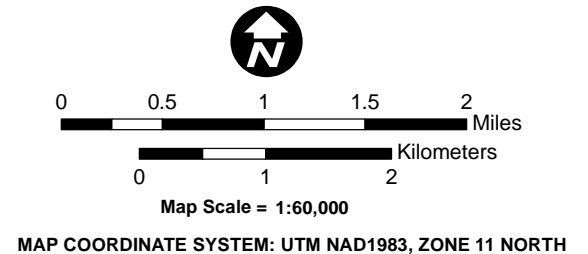


**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

**Observed Raptor Nest Locations (Species)**

- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

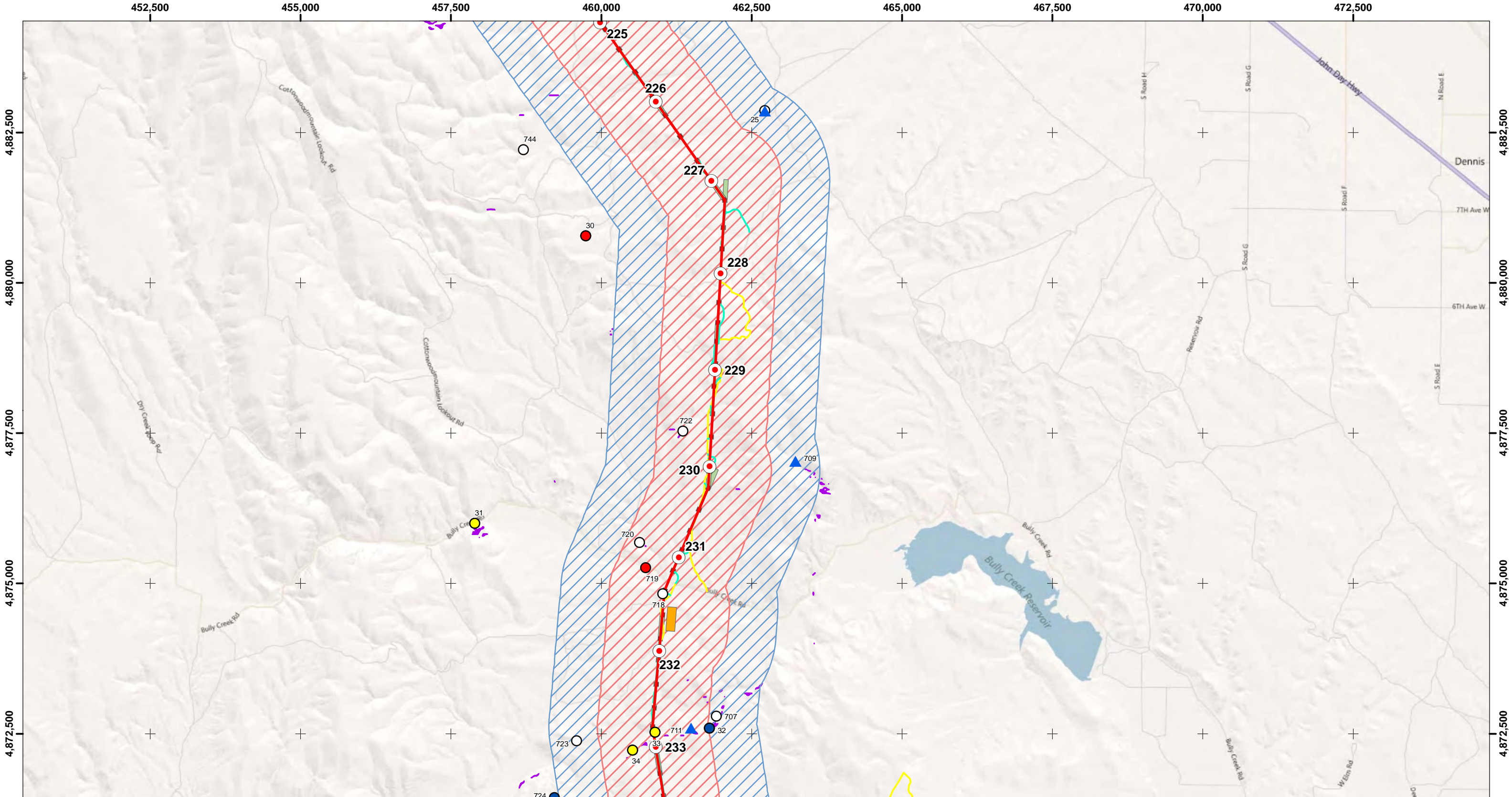


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 26



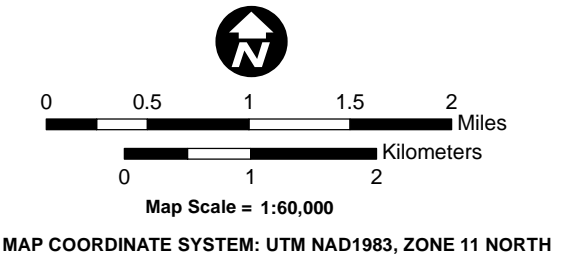




**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

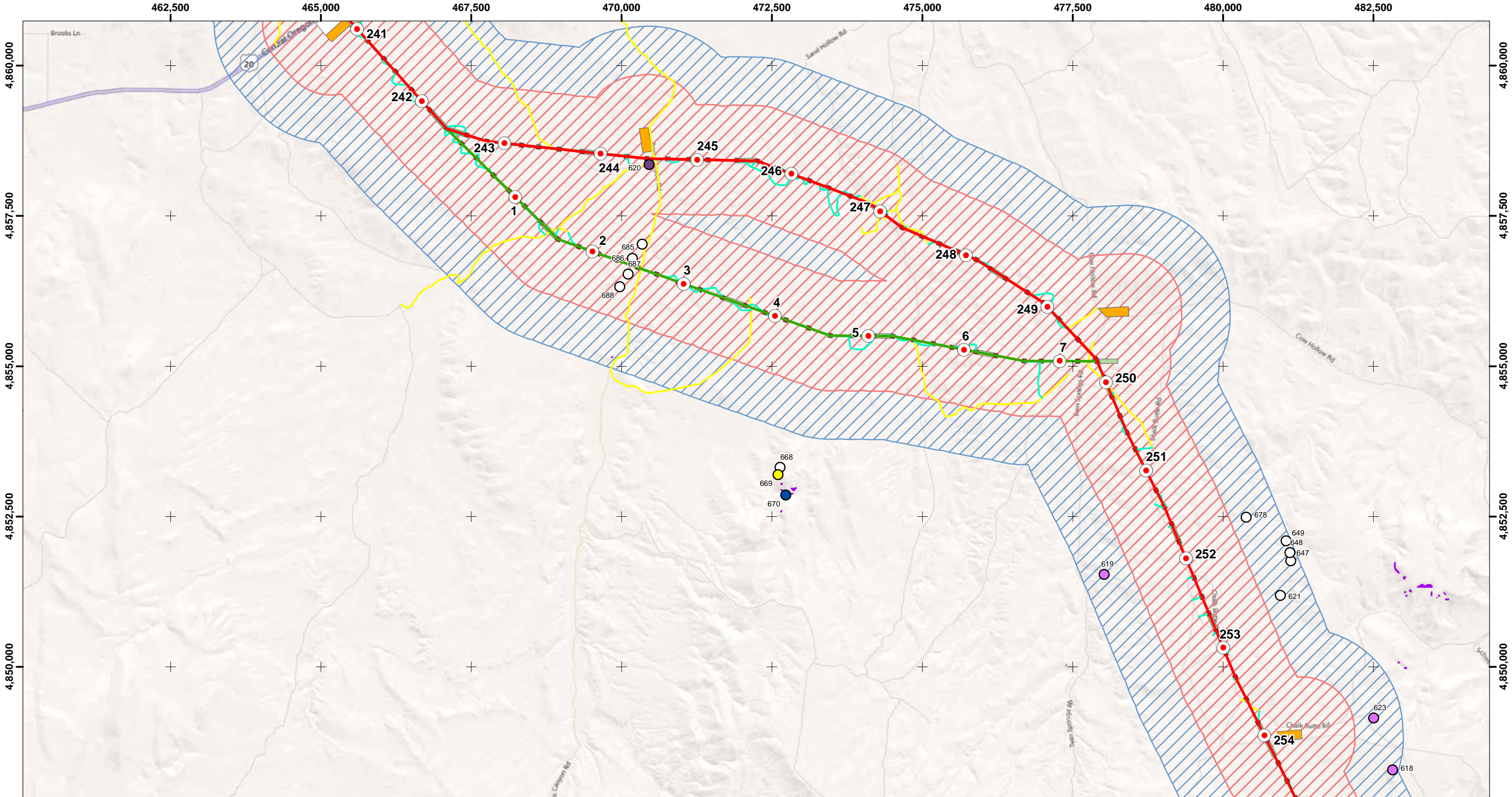
MAP TILE 27











**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |                                     |
|-----------------------------------|--------------|-------------------------------------|-------------------------------------|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |                                     |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |                                     |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |                                     |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |                                     |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         | Ferruginous Hawk Survey Area 1-Mile |
| Pulling-Tensioning                | Structure    | Golden Eagle Habitat 2-Miles        |                                     |
| Regeneration Site                 |              |                                     |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

0 0.5 1 1.5 2 Miles  
0 1 2 Kilometers

Map Scale = 1:60,000

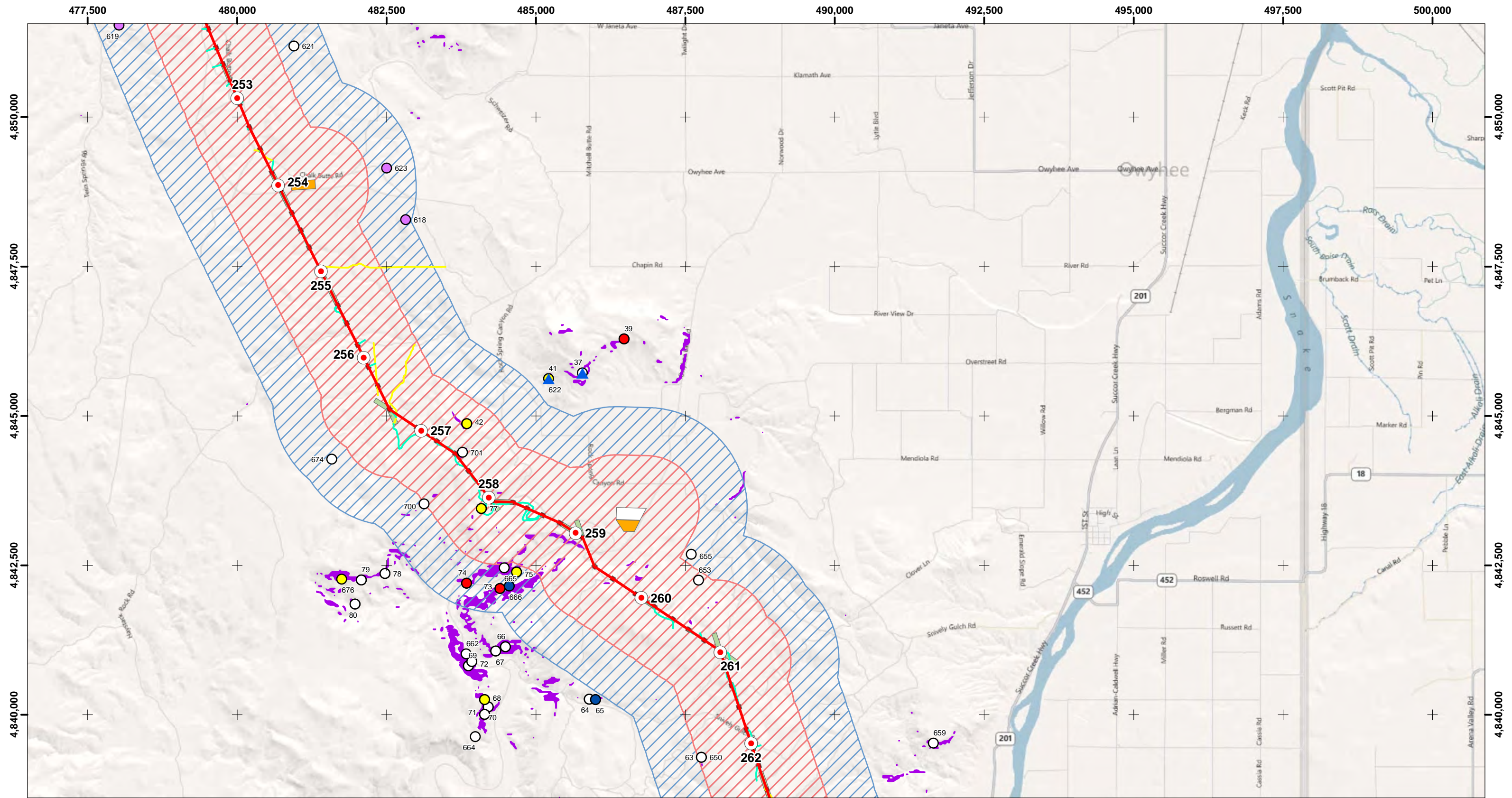
MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 29

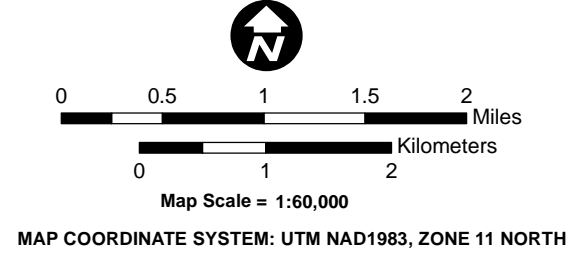




**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- Milepost
- Substation
- Proposed
- Alternative
- Recocated
- Fly Yard
- Pulling-Tensioning
- Regeneration Site
- Staging Area
- Structure
- Raptor Survey Area 1/2-Mile
- Ferruginous Hawk Survey Area 1-Mile
- Golden Eagle Habitat 2-Miles
- Double Circuit 138/69-kV
- Recocated

- Observed Raptor Nest Locations (Species)**
- Barn Owl
  - Burrowing Owl
  - Common Raven
  - Ferruginous Hawk
  - Golden Eagle
  - Great Horned Owl
  - Long-eared Owl
  - Osprey
  - Prairie Falcon
  - Red-tailed Hawk
  - Sharp-shinned Hawk
  - Short-eared Owl
  - Swainson's Hawk
  - Inactive

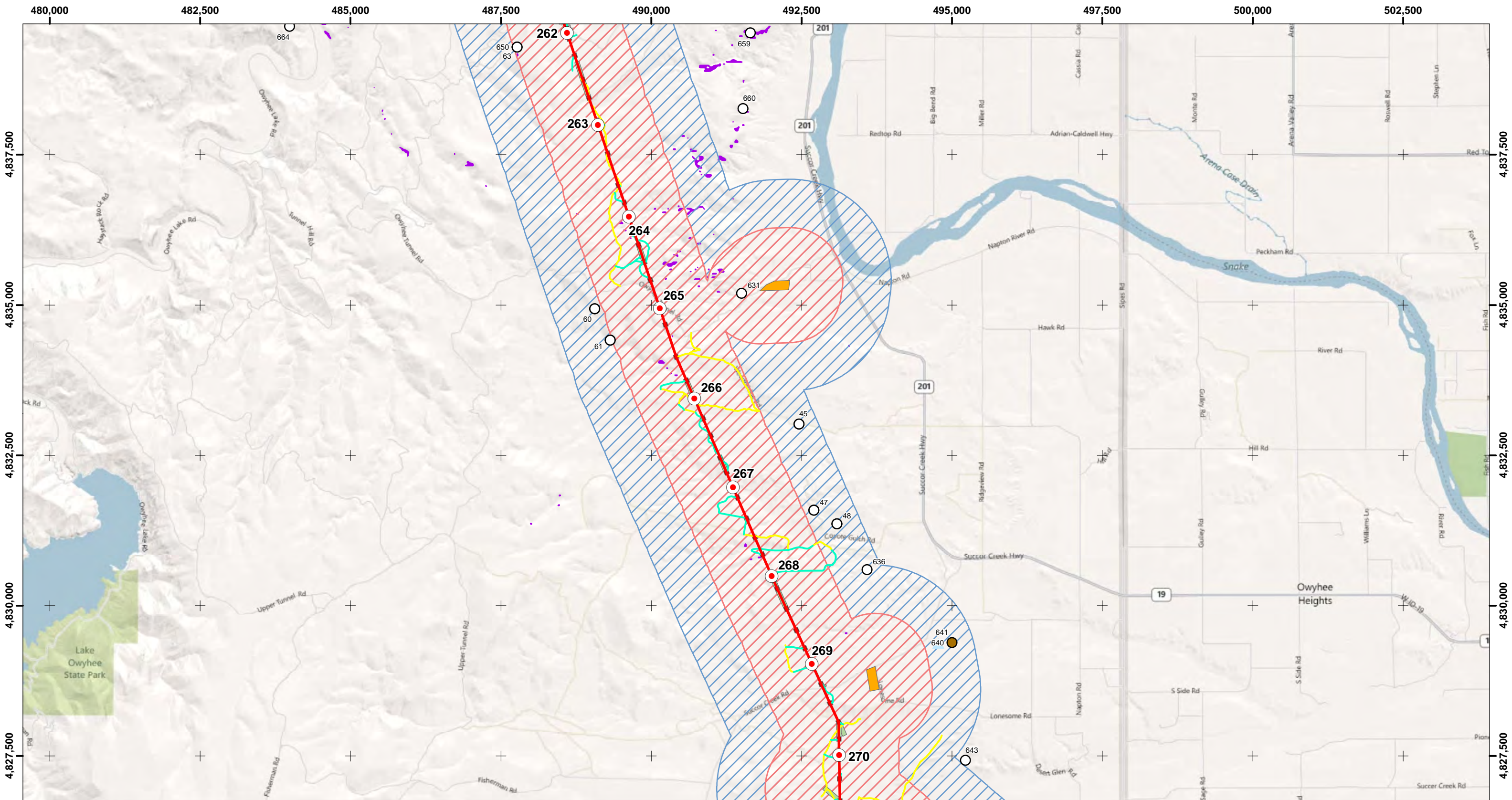


**BOARDMAN - HEMINGWAY  
 TRANSMISSION LINE PROJECT  
 OREGON - IDAHO  
 2011 TECHNICAL REPORT**

MAP TILE 30



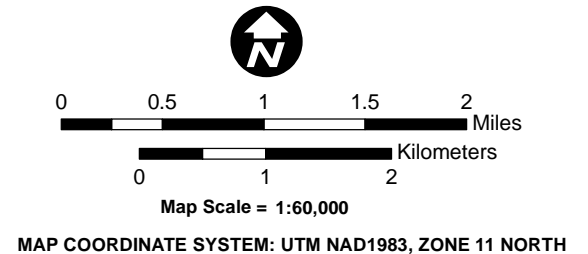




**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |
|-----------------------------------|--------------|-------------------------------------|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |
| <b>Project Features</b>           | Staging Area | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure    | Raptor Survey Area 1/2-Mile         |
| Pulling-Tensioning                |              | Ferruginous Hawk Survey Area 1-Mile |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

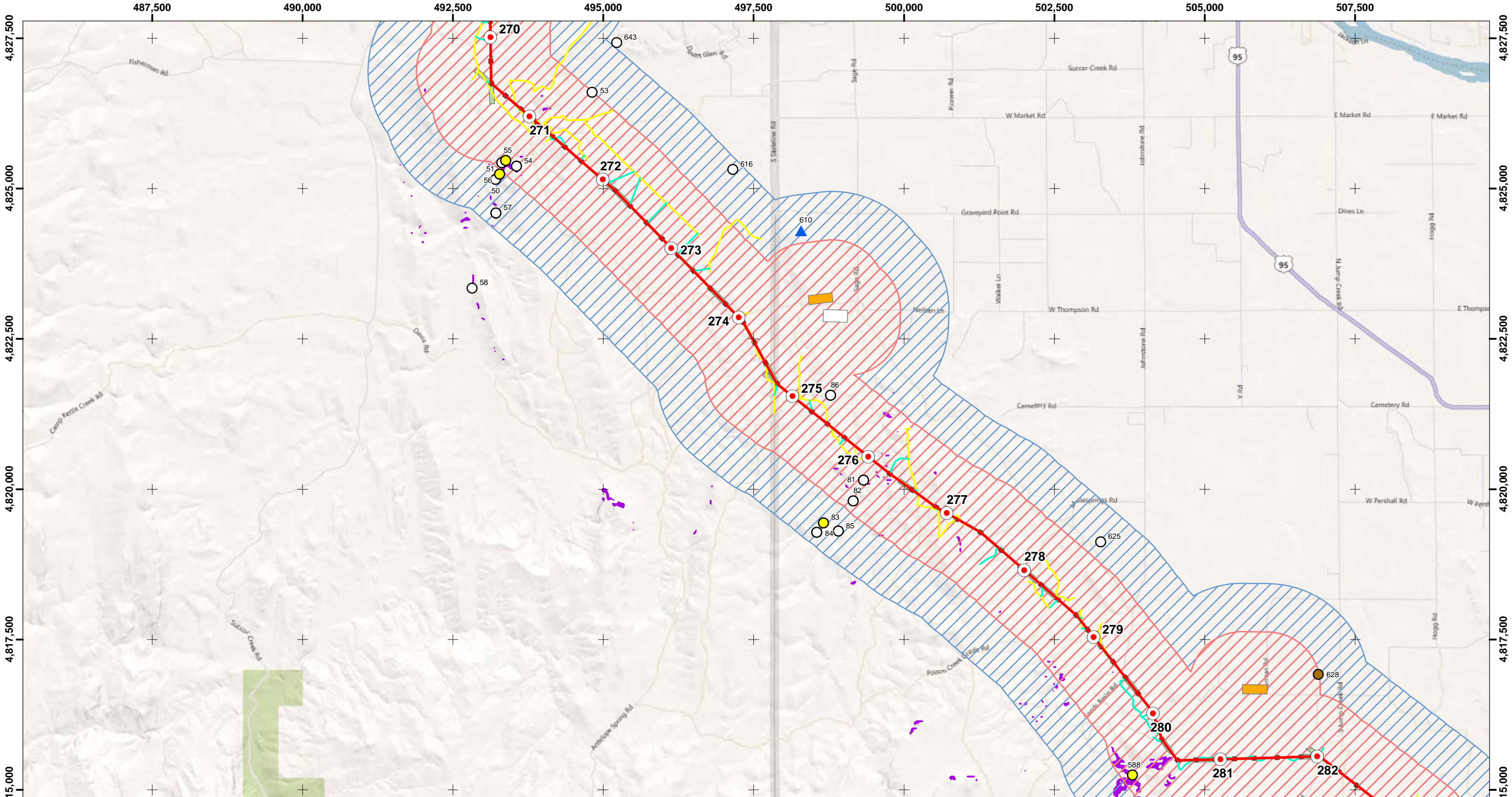


**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 31







**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

**Observed Raptor Nest Locations (Species)**

- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

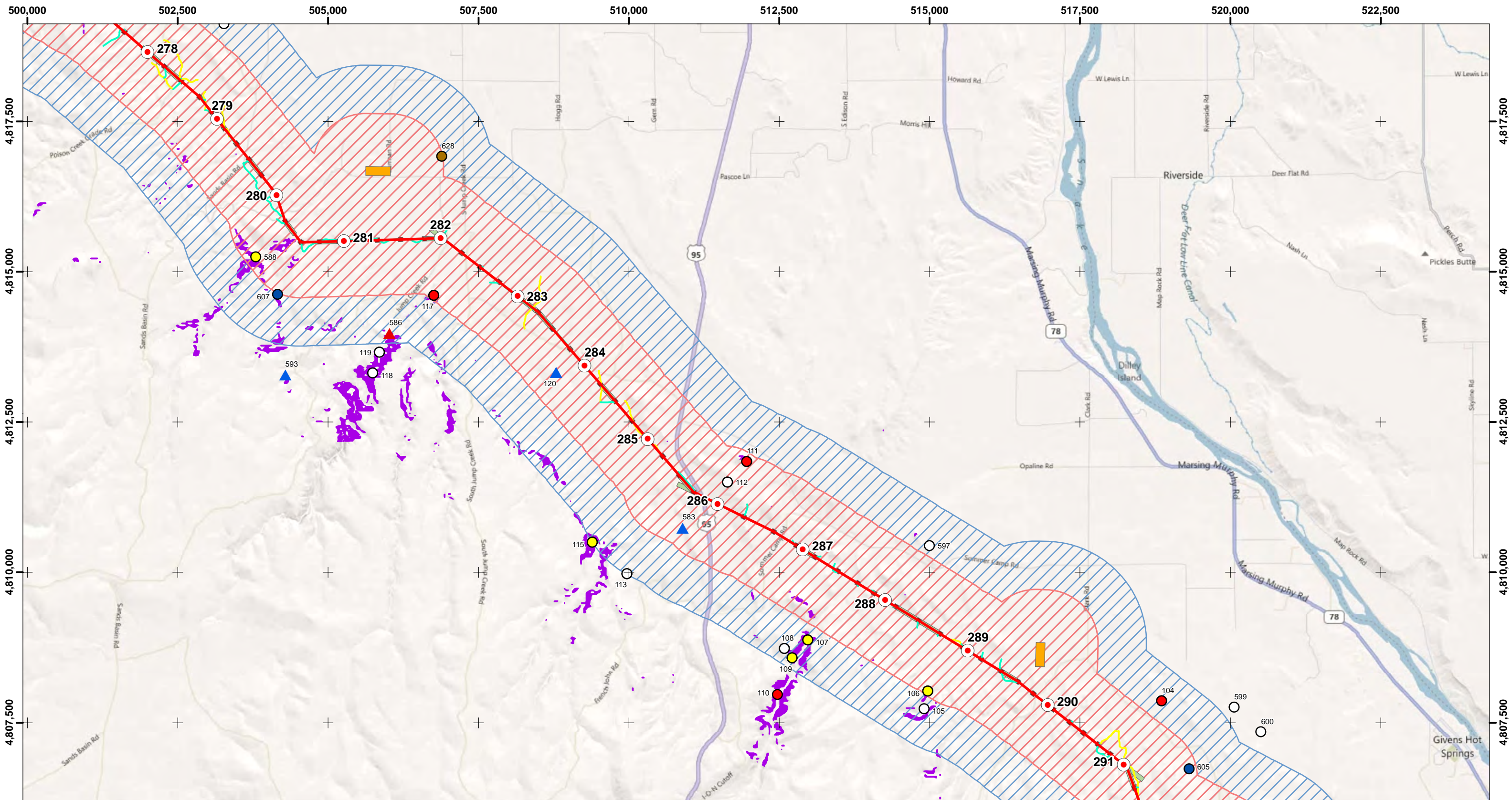
Map Scale = 1:60,000  
 MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH



**BOARDMAN - HEMINGWAY  
 TRANSMISSION LINE PROJECT  
 OREGON - IDAHO  
 2011 TECHNICAL REPORT**

**MAP TILE 32**





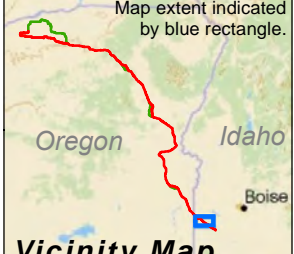
**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |                                     |                                     |
|-----------------------------------|-------------------------------------|-------------------------------------|
| Milepost                          | Substation                          | <b>B2H Transmission Line Routes</b> |
| New Road                          | Proposed                            | Double Circuit 138/69-kV            |
| Existing Road - Needs Improvement | Alternative                         | Recocated                           |
| <b>Project Features</b>           | Staging Area                        | <b>Raptor Survey Areas</b>          |
| Fly Yard                          | Structure                           | Raptor Survey Area 1/2-Mile         |
| Pulling-Tensioning                | Ferruginous Hawk Survey Area 1-Mile | Golden Eagle Habitat 2-Miles        |
| Regeneration Site                 |                                     |                                     |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |

Map Scale = 1:60,000

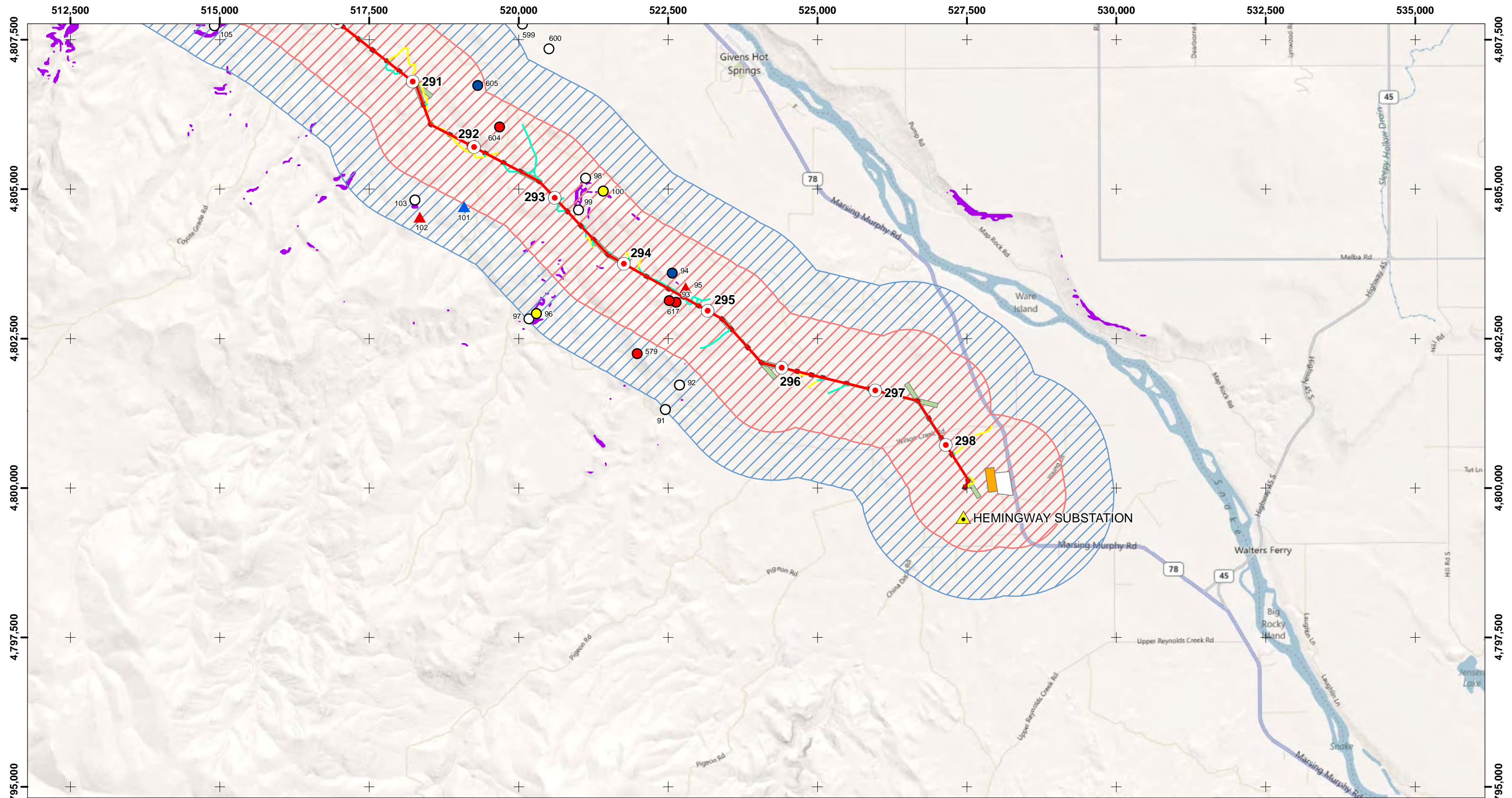
MAP COORDINATE SYSTEM: UTM NAD1983, ZONE 11 NORTH



**BOARDMAN - HEMINGWAY**  
**TRANSMISSION LINE PROJECT**  
**OREGON - IDAHO**  
 2011 TECHNICAL REPORT

**MAP TILE 33**

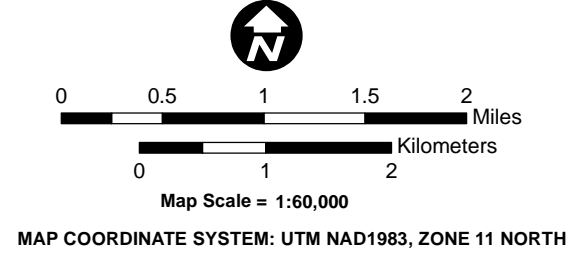




**2011 RAPTOR NEST AERIAL SURVEY RESULTS**

- |                                   |              |                                     |  |
|-----------------------------------|--------------|-------------------------------------|--|
| Milepost                          | Substation   | <b>B2H Transmission Line Routes</b> |  |
| New Road                          | Proposed     | Double Circuit 138/69-kV            |  |
| Existing Road - Needs Improvement | Alternative  | Recocated                           |  |
| <b>Project Features</b>           |              | <b>Raptor Survey Areas</b>          |  |
| Fly Yard                          | Staging Area | Raptor Survey Area 1/2-Mile         |  |
| Pulling-Tensioning                | Structure    | Ferruginous Hawk Survey Area 1-Mile |  |
| Regeneration Site                 |              | Golden Eagle Habitat 2-Miles        |  |

- Observed Raptor Nest Locations (Species)**
- |                  |                    |                 |
|------------------|--------------------|-----------------|
| Barn Owl         | Long-eared Owl     | Swainson's Hawk |
| Burrowing Owl    | Osprey             | Inactive        |
| Common Raven     | Prairie Falcon     |                 |
| Ferruginous Hawk | Red-tailed Hawk    |                 |
| Golden Eagle     | Sharp-shinned Hawk |                 |
| Great Horned Owl | Short-eared Owl    |                 |



**BOARDMAN - HEMINGWAY  
TRANSMISSION LINE PROJECT  
OREGON - IDAHO  
2011 TECHNICAL REPORT**

MAP TILE 34





## **2012 Report**





**TETRA TECH**

## **Boardman to Hemingway Transmission Line Project**

### **2012 Raptor Nest Aerial Surveys**



**4341RPT.DOC  
November 2012**



# 2012 Raptor Nest Aerial Surveys

## Boardman to Hemingway Transmission Line Project

*Prepared for:*



*1221 West Idaho Street  
Boise, Idaho 83702*

*Prepared by:*

### **Tetra Tech**

*3380 Americana Terrace, Suite 201  
Boise, ID 83706  
(208) 389-1030*

Tetra Tech Project No. 114-540315X

November 2012



## TABLE OF CONTENTS

1.0 INTRODUCTION.....	1
2.0 SURVEY AREA .....	1
3.0 METHODS .....	4
4.0 RESULTS .....	6
5.0 DISCUSSION.....	9
6.0 REFERENCES.....	11

## LIST OF TABLES

Table 1. Recommended Raptor Spatial Buffers (Whittington and Allen 2008).....	3
Table 2. Raptor Observations Not Associated With a Nest Site.....	7
Table 3. Total Active Raptor Nests by Species .....	7
Table 4. Distance from Active Raptor Nests to Project Features .....	8
Table 5. Nearest Project Milepost to Active Raptor Nests Within USFWS Recommended Spatial Buffers .....	9

## LIST OF FIGURES

Figure 1. Project Overview.....	2
Figure 2. Example Flight Path for Raptor Surveys.....	5

## LIST OF APPENDICES

Appendix A	2012 Raptor Nest Aerial Survey Database
Appendix B	2012 Raptor Nest Aerial Survey Mapbook



## 1.0 INTRODUCTION

Idaho Power Company (Idaho Power) is proposing to construct and operate a new, single-circuit 500 kilovolt (kV) electric transmission line between northeast Oregon and southwest Idaho, known as the Boardman to Hemingway Transmission Line Project (Project). The overhead, 500 kV transmission line will carry energy bi-directionally between a Portland General Electric (PGE) planned substation (Grassland Substation) adjacent to the Boardman Generating Plant, near Boardman in Morrow County, Oregon, and Idaho Power's existing Hemingway Substation, located in Owyhee County, Idaho (Figure 1). The Project will traverse federal, state, and private lands in six counties in Oregon and Idaho.

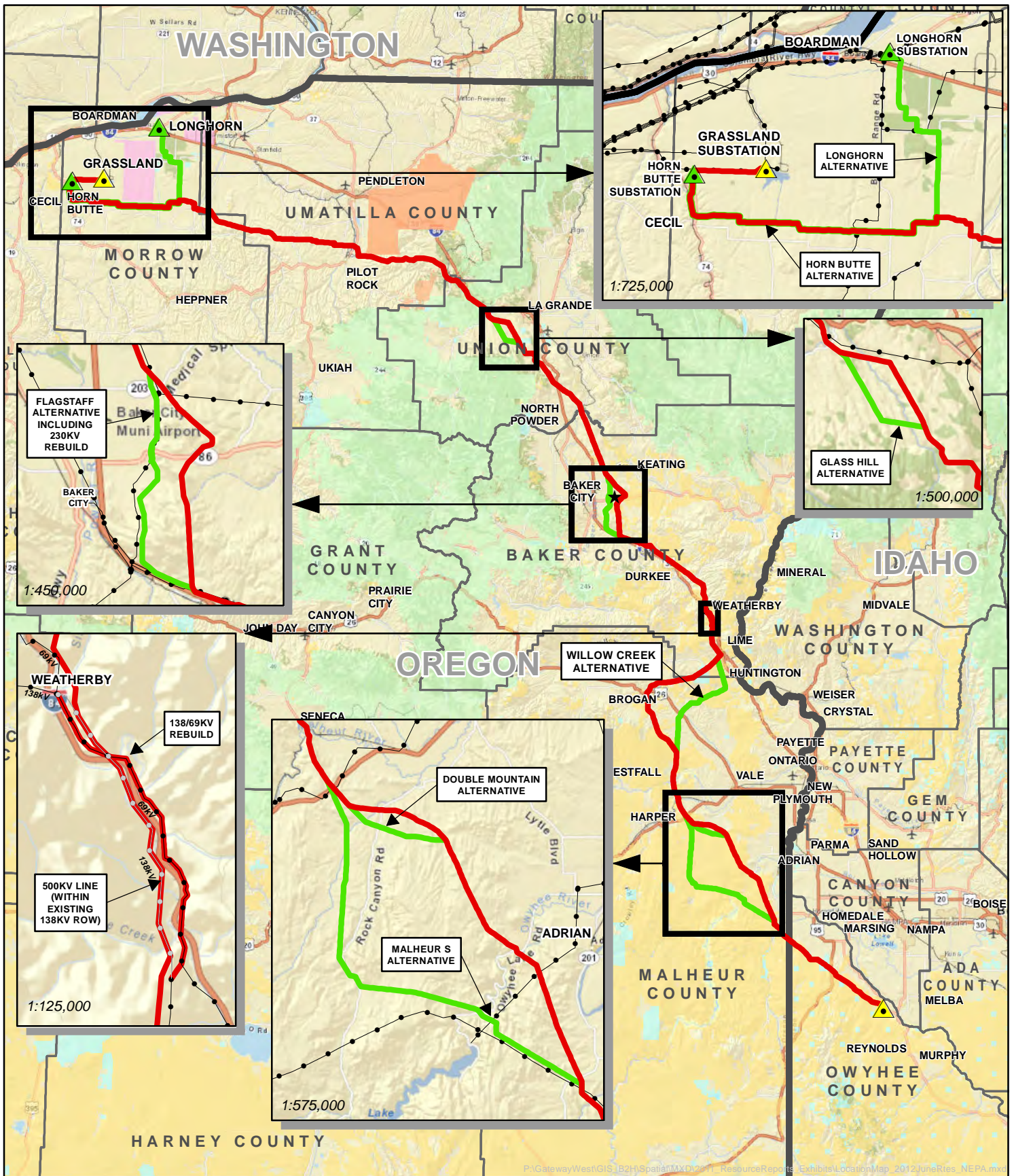
The Project would result in disturbances related to the construction of permanent facilities such as transmission tower pads, substations, regeneration stations, and permanent access roads, as well as temporary disturbances related to fly yards, lay down areas, tensioning sites, and temporary access roads. To help determine the degree of impact that could occur due to the construction and operation of these Project components, raptor use within and adjacent to the Project needs to be determined. Of particular interest are the locations of raptor nests in relation to proposed Project components.

The proposed Project would cross both public and private lands. Public lands are managed, in part, with the intent of conserving and improving wildlife populations, and public land managers have gathered data on lands they manage over the years. Data for private lands, with the exception of some statewide data gathered by state wildlife management agencies, are largely unavailable. This means that existing databases could not always be used to determine the locations of raptor nests that could be impacted by the Project. Therefore, raptor nest surveys were implemented to supplement existing data.

## 2.0 SURVEY AREA

The approach to delineating survey areas for raptors is based on the U.S. Fish and Wildlife's (USFWS) Draft Guidelines for Raptor Conservation in the Western United States (Whittington and Allen 2008). Whittington and Allen identify spatial buffers for nests of breeding raptors. These buffers are based on the species conservation ranking, knowledge of a species' tolerance of disturbance, and whether it nests predominantly in open versus forested habitats. The recommended buffers are typically applied during the breeding season for each of the species and are recommended for activities that could disturb the nesting attempt. It should be noted that each BLM field office or U.S. Forest Service ranger district may have their own stipulations that are defined in land use plans that may differ from the guidelines presented here. These guidelines were used to substantiate the choice for a survey area and provide the basis for how the survey results are presented in Section 4.0.

Table 1 identifies the recommended spatial buffers of raptors that could occur within the Project area. Some of the species listed in Table 1 are uncommon and/or unlikely to be found in the Project area and the survey methodology presented in Section 3.0 is not necessarily the preferred methodology for all species (e.g., forest-dwelling owls).



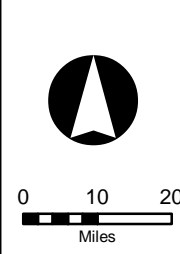
**FIGURE 1**  
**PROJECT OVERVIEW**  
**2012 RAPTOR NEST AERIAL SURVEY**  
**TECHNICAL REPORT**

BOARDMAN TO HEMINGWAY  
 500KV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



- ★ National Historic Oregon Trail Interpretive Center
- ▲ Proposed Substation
- ▲ Alternate Substation
- Proposed Route 20120301
- IPC Alternative 20120301
- Proposed Rebuild 20120301
- ▭ State Boundary
- ▭ County Boundary
- ▭ Bureau of Land Management
- ▭ Bureau of Reclamation
- ▭ Department of Defense
- ▭ Forest Service
- ▭ Indian Reservation
- ▭ Private
- ▭ State



P:\GatewayWest\GIS\_B2H\_Spatial\MXD\2011\_ResourceReports\_ Exhibits\LocationMap\_2012JuneRies\_NEPA.mxd



The survey area was based on the ecosystems crossed by the Project and the raptor species that likely occur within them. Three different raptor buffer distances were applied to the Project site boundary to create the survey area. The site boundary includes unique buffer distances for Project features and is defined in the Biological Survey Work Plan (Tetra Tech 2011a). The survey area includes land within 0.5 mile, 1.0 mile, and 2.0 miles of the site boundary. The survey area was reviewed by state and federal biologists prior to the 2011 survey effort.

The 0.5-mile survey area occurs in forested lands and corresponds with the spatial buffer of the northern goshawk. The majority of the remaining habitats crossed by the Project are open grasslands, shrublands, and agricultural lands. These habitats were surveyed out to 1.0 mile to correspond with the spatial buffer recommendation for the ferruginous hawk.

The recommended spatial buffer for golden eagle is 0.5 mile. However, in an effort to collect additional data on golden eagles, the survey area was expanded out to 2 miles in areas of suitable habitat. This is a proactive survey approach by Idaho Power in response to the increasing concern over golden eagle populations. Potential nesting habitat for golden eagles was identified by selecting for areas with steep slopes where cliffs and rocky outcrops are likely to occur. This was done by processing a digital elevation model in a geographic information system to select for areas with a 100 percent slope (45 degree angle) or greater.

Areas surveyed in 2011 were not duplicated in 2012. The survey area for 2012 was created using the indicative layouts for the proposed and alternative routes as of March 01, 2012.

**Table 1. Recommended Raptor Spatial Buffers (Whittington and Allen 2008)**

Species		Spatial Buffer in Non-urban Areas (miles)
Osprey	<i>Pandion haliaetus</i>	0.25
Bald eagle <sup>1</sup>	<i>Haliaeetus leucocephalus</i>	0.5 – 1.0
Northern harrier	<i>Circus cyaneus</i>	0.25
Sharp-shinned hawk	<i>Accipiter striatus</i>	0.25
Cooper's hawk	<i>Accipiter cooperii</i>	0.25
Northern goshawk	<i>Accipiter gentilis</i>	0.5
Swainson's hawk	<i>Buteo swainsoni</i>	0.25
Red-tailed hawk	<i>Buteo jamaicensis</i>	0.33
Ferruginous hawk	<i>Buteo regalis</i>	1.0
Golden eagle	<i>Aquila chrysaetos</i>	0.5
American kestrel	<i>Falco femoralis</i>	0.25
Peregrine falcon	<i>Falco peregrinus</i>	1.0
Prairie falcon	<i>Falco mexicanus</i>	0.5
Barn owl	<i>Tyto alba</i>	0.125
Flammulated owl	<i>Otus flammeolus</i>	0.25
Western screech owl	<i>Megascops kennicottii</i>	0.125
Great horned owl	<i>Bubo virginianus</i>	0.125
Northern pygmy owl	<i>Glaucidium gnoma</i>	0.25
Burrowing owl	<i>Athene cunicularia</i>	0.25
Great gray owl	<i>Strix nebulosa</i>	0.25
Long-eared owl	<i>Asio otus</i>	0.125
Short-eared owl	<i>Asio flammeus</i>	0.25
Boreal owl	<i>Aegolius funereus</i>	0.125
Northern saw-whet owl	<i>Aegolius acadicus</i>	0.125

<sup>1</sup> Avoidance of 0.5 mile if topographic or vegetative buffers exist, to 1 mile if nest is in line-of-sight of activity.

### 3.0 METHODS

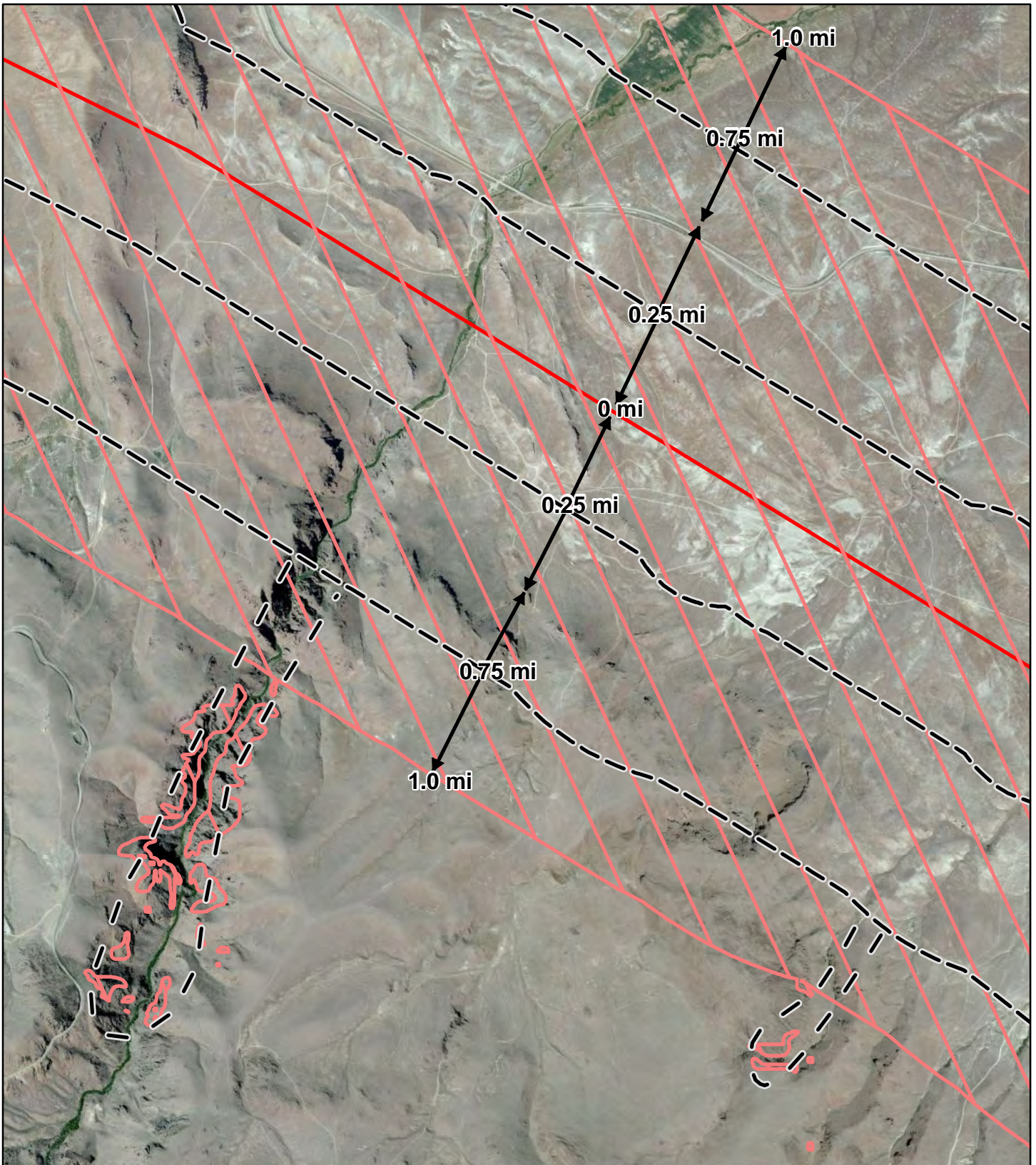
Raptor nest searches were performed using a Bell 206 Jet Ranger operated by JL Aviation of Boring, Oregon. JL Aviation has over 10 years of experience flying multiple wildlife surveys for the Oregon Department of Fish and Wildlife, as well as raptor nest-specific survey experience in Alaska, Oregon, Idaho, and Wyoming. Observers were Mike Schlegel and Matt Cambier. Mr. Schlegel is a retired regional wildlife biologist with the Idaho Department of Fish and Game and has over 4,000 hours of helicopter wildlife survey experience within the states of Idaho and Oregon. Mr. Cambier is a biologist with Tetra Tech of Boise, Idaho, and coordinated the survey efforts. Mr. Cambier has helicopter survey experience performing sage-grouse lek and raptor nest surveys in Oregon, Idaho, and Wyoming. This team also performed the 2011 raptor nest surveys for the Project (Tetra Tech 2011b).

Survey methods utilized for the raptor aerial survey are included in the 2011 Biological Survey Work Plan (Tetra Tech 2011a). In general, the survey areas were flown by helicopter carrying two observers and the pilot. The helicopter flew at a distance of approximately 0.25 mile from the site boundary to allow observers to see out to 0.5 mile and back to the site boundary. Another transect was flown at 0.75 mile from the corridor to allow observers to see out to 1.0-mile and back to the 0.5-mile distance. This is a transect spacing of 0.5 mile. Occasionally, transects were abandoned for a more intuitive search method in quality habitats such as canyons, rock faces, or lone trees in open sagebrush habitat. Once the intuitive search was completed, surveys continued along the transect from the point of departure. When golden eagle habitat (cliff, canyon, and rock outcrops) was encountered, an intuitive search method was performed out to 2 miles. Both sides of the corridor were surveyed in this manner. Figure 2 shows an example of the flight path followed within the survey area.

Surveys were performed twice during the breeding season. The first raptor nest survey occurred between April 10 and April 16, 2012. This timeframe corresponds with late courtship and incubation or hatchling/nestling stages of most raptors expected within the Project area. The first survey period for raptors was flown concurrently with the second 2012 greater sage-grouse lek aerial survey within the sage-grouse survey area (Tetra Tech 2012). The second raptor nest survey took place from June 2 to June 11, 2012. This timeframe corresponds with the late nestling and early fledgling period for many raptors. It also allowed the survey crew to identify nests of later breeding species such as Swainson's hawks or any second nesting attempts of earlier nesting raptors. Surveys were conducted from one hour after sunrise to one hour before sunset as conditions permitted.

The aerial survey crew used both handwritten notes and Global Positioning System (GPS) technology for data collection activities. Survey area boundaries were uploaded to the onboard AvMap EKP IV aeronautical GPS unit for navigational purposes. Transect spacing was monitored by the helicopter pilot using the AvMap unit. Raptor observations were marked using Garmin hand-held GPS units. Corresponding handwritten notes were taken and later transferred to a Microsoft Excel database (Appendix A) that contains all of the survey results. Pictures were taken when possible to document nests and aid in species identification and are contained in the Project file.





**FIGURE 2**  
**EXAMPLE FLIGHT PATH FOR RAPTOR SURVEYS**  
 2012 RAPTOR NEST AERIAL SURVEY  
 TECHNICAL REPORT

BOARDMAN TO HEMINGWAY  
 500KV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



- Proposed Route
- ▨ Raptor Nest Survey Area
- Helicopter Flight Path

Image Source : Bing Maps Hybrid (c) 2010 Microsoft Corporation and its data suppliers

To avoid over-stressing adult raptors or exposing young raptors to harsh elements, surveys did not occur during inclement weather (heavy precipitation, high winds, and extreme temperatures). In addition, a minimum distance of approximately 50 feet was maintained from active nests and observation time was typically less than 10 seconds and rarely exceeded 20 seconds. As a result of trying to avoid disturbance to raptors and maintain survey crew safety, GPS locations of the nest sites could be up to 50 to 200 feet in error from the actual nest location. Even with some offset in the accuracy of nest locations recorded, the data collected and provided in this report will be sufficient for relocating the identified nests, planning, and applying appropriate mitigation measures, where warranted.

## 4.0 RESULTS

The 2012 raptor nest survey occurred over 17 days between April 10 and June 11, 2012. Approximately 90 hours of survey time was completed resulting in more than 800 records of raptor activity or nest sites (Appendix A). A record was taken when one of the three following observation types occurred:

1. Observation—A raptor(s) was observed but could not be associated with any type of nest structure. An observation typically occurred when a raptor was soaring or foraging or when a raptor was flushed from a perch or roost site.
2. Active Nest—A raptor(s) was observed and is associated with a nest site. Active nests were identified by a raptor sitting/incubating on the nest, eggs on the nest, or a hatchling/nestling on the nest or a fledgling nearby the nest.
3. Inactive Nest—A nest where no recent raptor activity could be associated with it.

A total of 496 observations of raptors not associated with a nest site were recorded during the survey effort. These observations, especially observations in the same location on different surveys (n=4), may warrant further investigation in future survey work or pre-construction surveys associated with this Project. Table 2 identifies the number of observations of each species seen during the survey, as well as the total number of individual birds counted among those observations. The most commonly observed raptor was the red-tailed hawk, followed by the northern harrier. Note that the observations presented in Table 2 do not include those associated with active nest sites and there is potential for counting an individual more than once.

A total of 147 active nests were identified during the survey, 120 of which were occupied by raptors. The most common nesting raptor in the survey areas was the red-tailed hawk. Prairie falcon and golden eagle were the next most common nesting raptor. Table 3 summarizes the total number of active nests by species. A total of 158 inactive nests were also identified within the survey area. When possible, a species was associated with the inactive nest. This was only done for golden eagles and ferruginous hawks as their nest location and structures are fairly unique. It is possible that other species may use inactive nests of these species; however, for this report the inactive nests are associated with their most likely species.



**Table 2. Raptor Observations Not Associated With a Nest Site**

Species	Number of Observations	Total Number of Individuals
American kestrel	38	47
Bald eagle	3	3
Barn owl	28	40
Burrowing owl	3	3
Cooper's hawk	2	2
Ferruginous hawk	11	12
Golden eagle	43	47
Great horned owl	16	18
Northern harrier	60	65
Osprey	2	2
Prairie falcon	26	32
Red-tailed hawk	165	185
Rough-legged hawk	6	6
Sharp-shinned hawk	1	1
Short-eared owl	21	32
Snowy Owl ( <i>Bubo scandiacus</i> )	2	2
Swainson's hawk	25	34
Unknown (owl, falcon, or accipiter)	6	6
<b>Total Observations and Individuals</b>	<b>479</b>	<b>644</b>

**Table 3. Total Active Raptor Nests by Species**

Species	Number of Nests
Barn owl	5
Burrowing owl	6
Ferruginous hawk	7
Golden eagle	14 <sup>1</sup>
Great horned owl	5
Long-eared owl	1
Osprey	1
Prairie falcon	18 <sup>2</sup>
Red-tailed hawk	48
Swainson's hawk	13
Unknown raptor nests	2
Common raven	27
<b>Total Active Nests</b>	<b>147</b>
<b>Inactive Nests</b>	<b>158<sup>3</sup></b>

1/ Two of the golden eagle nests were identified outside of 2 miles and are not addressed further in the report, but are included in the database (Appendix A) and displayed in the mapbook (Appendix B).

2/ One of the prairie falcon nests were identified outside of 2 miles and are not addressed further in the report, but is included in the database (Appendix A) and displayed in the mapbook (Appendix B).

3/ Of the Inactive Nests, 25 are identified as ferruginous hawk nests and 27 are identified as golden eagle nests.

Understanding the spatial relationship between the active raptor nests summarized in Table 3 and the Project is important for planning purposes. Identifying which nests are within the recommended spatial buffers for each raptor species (Table 1) provides information to assist in routing considerations, construction scheduling, and informs planners of the potential impacts on raptors from the Project. Table 4 details the number of active raptor nests of each species by their distance from the Project. If a cell is highlighted in Table 4, it indicates for the given species that the distance of the nest(s) from the Project is within the USFWS recommended spatial buffers for each species.

**Table 4. Distance from Active Raptor Nests to the Project**

Species	Distance to Project					
	Site Boundary <sup>1</sup>	Boundary - 0.25 mi	0.25 - 0.33 mi	0.33 - 0.5 mi	0.5 - 1.0 mi	1.0 - 2.0 mi
Barn owl <sup>2</sup>	0	0	1	0	1	3
Burrowing owl	0	2	1	1	2	0
Ferruginous hawk	0	1	0	2	3	1
Golden eagle	0	3	1	0	6	2
Great horned owl <sup>2</sup>	0	1	0	1	4	0
Long-eared owl <sup>2</sup>	0	0	0	1	0	0
Osprey	0	0	1	0	0	0
Prairie falcon	0	2	3	3	6	3
Red-tailed hawk	1	2	4	3	25	13
Swainson's hawk	0	3	0	4	5	1
Unknown <sup>3</sup>	0	0	0	0	1	1
Common raven <sup>3</sup>	0	6	0	4	10	7

1/ The site boundary as defined in the 2011 Biological Survey Work Plan (Tetra Tech, 2011a). In addition to the definition in the Work Plan, a 30-foot buffer of Improved Access Roads designated as May Need Improvement is included in the site boundary. The boundary utilized for the survey and this report is based on the March 01, 2012 indicative layout.

2/ The USFWS recommended spatial buffer for nests of these species is 0.125 mile. This distance is not analyzed here and can be considered on a case-by-case basis for planning purposes.

3/ USFWS does not have recommended spatial buffers for nests of these species.

Further details regarding the active raptor nests that are within the USFWS recommended spatial buffers are given in Table 5. Table 5 provides the nearest Project milepost to each of the nests highlighted in orange in Table 4. Presenting the nearest milepost to an active nest is meant to assist in locating the observation in the mapbook (Appendix B); some nests are located in areas where the nearest milepost is associated with a different route than the nearest site boundary feature. For instance, Obs\_ID 463 (Appendix B, Map 19 of 25) is of a burrowing owl active burrow site that is within 0.25-0.33 mile of a site boundary feature associated with the Willow Creek Alternative, but the nearest milepost is milepost 231 of the Proposed Route.

Refer to the mapbook in Appendix B to see all active nests along the Project. Each of the active nests in the mapbook has a label that corresponds to the Obs\_ID field in the database provided in Appendix A. A nest received a single Obs\_ID, but may have multiple entries corresponding to multiple visits to the nest. Therefore, a single Obs\_ID could potentially refer to a nest that was inactive during one survey and active during the other survey. In the mapbook (Appendix B) this would be represented by an inactive nest symbol under a species-specific nest symbol with the two sharing a common Obs\_ID label. In rare instances, a nest could be utilized by multiple species such as a nest occupied by a red-tailed hawk during the first survey being occupied by a common raven in the second survey. –Refer to both these appendices for more details regarding each observation and nest recorded during the 2012 raptor nest aerial survey.



**Table 5. Nearest Project Milepost to Active Raptor Nests within USFWS Recommended Spatial Buffers**

Species	Project Mileposts <sup>1</sup>
<b>Burrowing owl</b>	
Boundary - 0.25 mi	223, 8 (Willow Creek Alternative)
<b>Ferruginous hawk</b>	
Boundary - 0.25 mi	7 (Malheur S Alternative)
0.33 - 0.5 mi	17 (Malheur S Alternative), 15 (Willow Creek Alternative)
0.5 - 1.0 mi	24, 46, 153
<b>Golden eagle</b>	
Boundary - 0.25 mi	24 (Malheur S Alternative), 29 (Malheur S Alternative), 16 (Willow Creek Alternative)
0.25 - 0.33 mi	25 (Malheur S Alternative),
<b>Prairie falcon</b>	
Boundary - 0.25 mi	292, 23 (Malheur S Alternative)
0.25 - 0.33 mi	210, 25 (Malheur S Alternative), 25 (Malheur S Alternative)
0.33 - 0.5 mi	208, 298, 24 (Malheur S Alternative)
<b>Red-tailed hawk</b>	
Site Boundary	31 (Malheur S Alternative)
Boundary - 0.25 mi	201, 239
0.25 - 0.33 mi	73, 285, 25 (Malheur S Alternative), 26 (Malheur S Alternative)
<b>Swainson's hawk</b>	
Boundary - 0.25 mi	31, 18 (Longhorn Alternative), 2 (Willow Creek Alternative)

1/ All mileposts refer to the Proposed Route unless otherwise noted in parenthesis.

## 5.0 CONCLUSION

Aerial surveys for raptors nests were conducted between April 10 and June 11, 2012, along specific portions of the Project that either changed from 2011 or were added since surveys were performed in 2011. A majority of the 2012 survey area is associated with the Malheur S and Willow Creek alternatives. The goal of these surveys were to identify all active raptor nests within the defined survey area, in particular those active nests whose distance to Project features is within the USFWS recommended spatial buffers.

Based on the findings of the 2012 raptor survey, in addition to considering the 2011 raptor nest survey results, a large number of raptor species forage and breed in and near the Project area. During 2012, the most common species of raptor observed included red-tailed hawks, northern harriers, golden eagles, and American kestrels. Red-tailed hawks, golden eagles, and prairie falcons were the species with the most active nests identified in the survey area. Ferruginous hawks were less abundant with fewer active nests than red-tailed hawks, Swainson's hawks, and golden eagles. There was 21 inactive ferruginous hawk nests along approximately 12 miles of Butter Creek (Appendix B, Maps 4 & 5), all of which were ground nests. A single osprey nest was identified and a single bald eagle observation occurred during the survey. The lack of large water bodies within the survey area explains the low occurrence of osprey and bald eagles. The low nest count of species such as the northern harrier, short-eared owl, and burrowing owl is attributed to the fact that they are ground nesters and locating nests by aerial survey is difficult. Nests of nocturnal owl species were also uncommon, as expected when performing daytime aerial surveys. Common raven nests were abundant throughout the survey area.

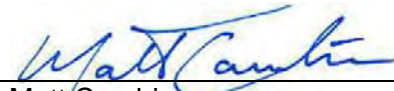
Excluding common ravens (Table 3; n=27), there were 147 active raptor nests within the survey area. Of those nests, 30 are at a distance to the Project that is within the recommended spatial buffers identified by the USFWS for their respective species.

Of specific interest is the number of active golden eagle nests adjacent to the Project. A total of 4 active golden eagle nests were recorded within 0.5 mile of Project features and an additional 8 active golden eagle nests occur from 0.5 to 2.0 miles of the Project. Two nests were identified at a distance beyond 2.0 miles from the Project.

During the surveys, many active nests had young birds associated with them. Nest success and productivity were not a focus of this survey, and this survey was not developed to accurately estimate reproductive rates within the survey area. While data were collected on the number of young birds in a nest (Appendix A), it was not analyzed. Based on the large area that this Project covers, there are several different raptor species with different reproductive phenology within the survey area. In addition, reproductive phenology varies within species across the approximately 300-mile Project as influenced by the variations in local ecosystems. Two survey periods are not sufficient to gather the information needed to assess nest success and productivity over an area of this size. However, two survey periods are adequate to document the number of active nests adjacent to the Project and to provide a good baseline for addressing potential impacts to the species.

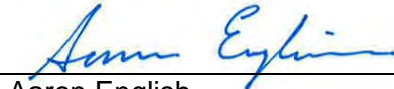
Prepared by:

Reviewed by:



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Matt Cambier  
Wildlife Biologist



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Aaron English  
Supervising Scientist



## 6.0 REFERENCES

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Tetra Tech. 2011b. Boardman to Hemingway Transmission Line Project, 2011 Raptor Nest Aerial Surveys. Prepared for Idaho Power. Boise, ID.

Tetra Tech. 2012. Boardman to Hemingway Transmission Line Project, 2012 Greater Sage-grouse Aerial Surveys (in press). Prepared for Idaho Power. Boise, ID.

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**APPENDIX A**  
**2012 RAPTOR NEST AERIAL SURVEY DATABASE**



Date	Survey	Obs ID	Species	Total Birds	Nest Y	Nest	Nest Activity	Num of Young	NAD83 UTM N	NAD83 UTM E	Photo ID	Comments
4/10/2012	MOB_1	1	Northern Harrier	1	No	NA	NA	5052156	317816	None		male & female in flight over alf field-WP013 on Matt's gps
4/10/2012	MOB_1	2	Rough-legged Hawk	2	No	NA	NA	5047286	319458	None		in flight over grassland-WP014 on Matt's gps
4/10/2012	MOB_1	3	Northern Harrier	1	No	NA	NA	5046173	321189	None		in flight over grassland-WP015 on Matt's gps
4/10/2012	MOB_1	4	Northern Harrier	1	No	NA	NA	5045909	324951	None		Ad male-in flight over grassland-WP016 on Matt's gps
4/10/2012	MOB_1	5	Short-eared Owl	1	No	NA	NA	5043415	333149	None		in flight over grassland field-WP017 on Matt's gps
4/10/2012	MOB_1	6	Snowy owl	1	No	NA	NA	5042649	335960	None		Flushed from ag land
4/10/2012	MOB_1	7	Northern Harrier	1	No	NA	NA	5042393	341409	None		in flight over grassland
4/10/2012	MOB_1	8	Northern Harrier	1	No	NA	NA	5042568	343383	None		in flight over grassland
4/10/2012	MOB_1	9	Short-eared Owl	1	No	NA	NA	5042985	342798	None		in flight over grassland
4/10/2012	MOB_1	10	Rough-legged Hawk	1	No	NA	NA	5043031	342235	None		in flight over grassland
4/10/2012	MOB_1	11	Rough-legged Hawk	1	No	NA	NA	5043022	341196	None		in flight over grassland
4/10/2012	MOB_1	12	Northern Harrier	1	No	NA	NA	5043104	338940	None		in flight over ag land
4/10/2012	MOB_1	13	Northern Harrier	2	No	NA	NA	5046528	340299	None		in flight over ag land
4/10/2012	MOB_1	14	Red-tailed Hawk	1	No	NA	NA	5044891	359557	None		Perched on tree
4/10/2012	MOB_1	15	Red-tailed Hawk	2	Yes	Active	NA	5043773	359601		D4102012_RTHA_Obs15.jpg	Nest in deciduous tree
4/10/2012	MOB_1	16	Osprey	1	No	NA	NA	5043913	363895	None		Flushed from powerpole
4/10/2012	MOB_1	17	Unknown	1	Yes	Active	NA	5041002	362335		D4102012_CAGO_Obs17.jpg	Nest on rock ledge, 5 eggs
4/10/2012	MOB_1	18	Red-tailed Hawk	1	Yes	Active	NA	5041877	362978		D4102012_RTHA_Obs18.jpg	Nest in deciduous tree
6/8/2012	MOB_2	18	Red-tailed Hawk	2	Yes	Active	1	5041877	362978		D6082012_RTHA_Obs18.jpg	1 adult in flight, 1 fledging at nest site
4/10/2012	MOB_1	19	Red-tailed Hawk	1	Yes	Active	NA	5037092	366128	None		Deciduous tree in creek bed. Likely identified last year.
4/10/2012	MOB_1	20	Rough-legged Hawk	1	No	NA	NA	5035697	365380	None		in flight over grassland
4/10/2012	MOB_1	21	American Kestrel	1	No	NA	NA	5035151	369275	None		in flight
4/10/2012	MOB_1	22	Red-tailed Hawk	1	No	NA	NA	5034943	369204	None		Juvenile perched on a powerpole
4/10/2012	MOB_1	23	American Kestrel	2	No	NA	NA	5036379	374555	None		in flight
4/10/2012	MOB_1	24	Red-tailed Hawk	1	No	NA	NA	5039103	369890	None		Adult in flight over grassland
4/10/2012	MOB_1	25	Rough-legged Hawk	1	No	NA	NA	5038016	368498	None		in flight over grassland
4/10/2012	MOB_1	26	Northern Harrier	2	No	NA	NA	5040715	374513	None		Two adult in flight
4/10/2012	MOB_1	27	Great Horned Owl	1	No	NA	NA	5040214	381533	None		in timber
4/11/2012	MOB_1	28	Northern Harrier	1	No	NA	NA	5056176	310188	None		in flight over ag land
4/11/2012	MOB_1	29	Snowy owl	1	No	NA	NA	5058016	307966	None		Flushed from ag field
4/11/2012	MOB_1	30	Long-billed Curlew	1	No	NA	NA	5058875	305114	None		in flight over ag land
4/11/2012	MOB_1	31	Long-billed Curlew	1	No	NA	NA	5057922	306006	None		in flight over ag land
4/11/2012	MOB_1	32	Northern Harrier	1	No	NA	NA	5056999	305346	None		in flight over grassland
4/11/2012	MOB_1	33	Common Raven	1	Yes	Active	NA	5058329	303488		D4112012_COFA_Obs33.jpg	Nest in deciduous tree - eggs in nest
4/11/2012	MOB_1	34	Long-billed Curlew	2	No	NA	NA	5058117	302992	None		in flight over ag land
4/11/2012	MOB_1	35	Red-tailed Hawk	2	No	NA	NA	5069674	302551	None		1 in flight-1 perched in deciduous tree near farm-both adults
4/11/2012	MOB_1	36	Red-tailed Hawk	1	No	NA	NA	5063038	302898	None		Perched in deciduous tree near farm
4/11/2012	MOB_1	37	Long-billed Curlew	2	No	NA	NA	5058759	302544	None		in flight over ag land
4/11/2012	MOB_1	38	Northern Harrier	1	No	NA	NA	5060172	303383	None		in flight over ag land
4/11/2012	MOB_1	39	Northern Harrier	1	No	NA	NA	5066708	304253	None		Female, in flight over ag land
4/11/2012	MOB_1	40	Long-billed Curlew	1	No	NA	NA	5064807	304389	None		in flight over grassland
4/11/2012	MOB_1	41	Long-billed Curlew	2	No	NA	NA	5053688	304311	None		in flight over grassland
4/11/2012	MOB_1	42	Long-billed Curlew	2	No	NA	NA	5062821	304333	None		in flight over grassland
4/11/2012	MOB_1	43	Long-billed Curlew	1	No	NA	NA	5061592	304244	None		in flight over grassland
4/11/2012	MOB_1	44	Swainson's Hawk	2	No	NA	NA	5060443	304565	None		in flight over ag land
4/11/2012	MOB_1	45	Northern Harrier	1	No	NA	NA	5061272	298292	None		Adult in flight over ag land
4/11/2012	MOB_1	46	Red-tailed Hawk	1	No	NA	NA	5079862	295510	None		Adult in flight over grassland
4/11/2012	MOB_1	47	Northern Harrier	1	No	NA	NA	5063582	271755	None		Adult in flight over ag land
4/11/2012	MOB_1	48	Northern Harrier	1	No	NA	NA	5063563	268811	None		Adult in flight over sage area
4/11/2012	MOB_1	49	Long-billed Curlew	1	No	NA	NA	5059896	281887	None		in flight over grassland
4/11/2012	MOB_1	50	Short-eared Owl	1	No	NA	NA	5058026	281728	None		in flight over grassland
4/11/2012	MOB_1	51	Long-billed Curlew	1	No	NA	NA	5057932	280533	None		in flight over grassland
4/11/2012	MOB_1	52	Rough-legged Hawk	1	No	NA	NA	5056134	268367	None		Adult in flight over grassland
4/11/2012	MOB_1	53	Red-tailed Hawk	1	No	NA	NA	5014492	408462	None		Adult in flight over grass/open timber area
4/11/2012	MOB_1	54	Red-tailed Hawk	1	No	NA	NA	5001620	423262	None		Adult perched in ponderosa pine tree
4/11/2012	MOB_1	55	Red-tailed Hawk	1	No	NA	NA	5001337	424055	None		Adult perched in ponderosa pine tree, west side drainage
4/11/2012	MOB_1	56	Red-tailed Hawk	1	No	NA	NA	4997472	427900	None		Adult in flight over sage/grass area
4/11/2012	MOB_1	57	Red-tailed Hawk	1	No	NA	NA	4996631	429052	None		Adult in flight over deciduous trees in riparian area near house
4/12/2012	MOB_1	58	Said Eagle	0	Yes	Inactive	NA	4958148	437267	None		Adult in flight over ag land
4/12/2012	MOB_1	59	Unknown	0	Yes	Inactive	NA	4955808	437781		D412012_UNKN_Obs59.jpg	Nest in juniper tree
6/8/2012	MOB_2	59	Common Raven	1	Yes	Active	1	4955808	437781		D6082012_COFA_Obs59.jpg	Nest in juniper tree
4/12/2012	MOB_1	60	Ferruginous Hawk	1	No	NA	NA	4957793	441746	None		Adult in flight over sage area
4/12/2012	MOB_1	61	Unknown	0	Yes	Inactive	NA	4955508	441979	None		Nest in dog fur
6/7/2012	MOB_2	61	Common Raven	1	Yes	Active	NA	4955508	441979		D6072012_COFA_Obs61.jpg	Inactive nest during 1st survey, at least 1 raven on nest
4/12/2012	MOB_1	62	Golden Eagle	1	No	NA	NA	4955508	441979	None		Perched on a dog fur
4/12/2012	MOB_1	63	Red-tailed Hawk	1	Yes	Active	NA	4957124	445224		D4122012_RTHA_Obs63.jpg	Adult bird on nest on cottonwood tree-trial WP220
4/12/2012	MOB_1	64	Golden Eagle	1	No	NA	NA	4954103	445737	None		Adult bird flushed from sage/grass area
4/12/2012	MOB_1	65	Red-tailed Hawk	1	No	NA	NA	4949514	451961	None		Adult in flight over sage/grass area
4/12/2012	MOB_1	66	Red-tailed Hawk	1	No	NA	NA	4949320	452409	None		Adult flushed of sage/grass area
4/12/2012	MOB_1	67	Golden Eagle	1	No	NA	NA	4945206	458467	None		Flushed from a juniper tree
4/12/2012	MOB_1	68	American Kestrel	1	No	NA	NA	4942030	463603	None		Adult male flushed from juniper tree
6/8/2012	MOB_2	68	Unknown	0	Yes	Inactive	NA	4942030	463603		D6082012_UNKN_Obs68.jpg	Sick nest near the top of a juniper tree
4/12/2012	MOB_1	69	Red-tailed Hawk	1	No	NA	NA	4935284	468620	None		Adult perched in juniper tree
4/12/2012	MOB_1	70	Red-tailed Hawk	1	No	NA	NA	4926606	474239	None		Adult perched in juniper tree
4/12/2012	MOB_1	71	Red-tailed Hawk	2	No	NA	NA	4911798	470864	None		Adults perched on telephone pole
4/12/2012	MOB_1	72	Red-tailed Hawk	1	No	NA	NA	4911742	471557	None		Adult perched on telephone pole
4/12/2012	MOB_1	73	Red-tailed Hawk	1	Yes	Active	NA	4911591	472068		D4122012_RTHA_Obs73.jpg	Adult bird on nest in deciduous tree
4/12/2012	MOB_1	74	Unknown	0	Yes	Inactive	NA	4910180	470355		D4122012_UNKN_Obs74.jpg	Nest in deciduous tree in creek bottom
6/7/2012	MOB_2	74	Swainson's Hawk	1	Yes	Active	NA	4910180	470355		D6072012_SWHA_Obs74.jpg	1 adult on nest in deciduous tree in creek bottom
4/12/2012	MOB_1	75	Common Raven	1	Yes	Active	NA	4913209	477881		D4122012_COFA_Obs75.jpg	Adult on nest-nest on rock face
6/7/2012	MOB_2	75	Common Raven	1	Yes	Active	NA	4913209	477881		D6072012_COFA_Obs75.jpg	Active during 1st survey
4/12/2012	MOB_1	76	Long-billed Curlew	4	No	NA	NA	4935992	464577	None		in flight over grassland
4/12/2012	MOB_1	77	Red-tailed Hawk	1	No	NA	NA	4935659	468805	None		Juvenile in flight over sage/juniper area
4/12/2012	MOB_1	78	Red-tailed Hawk	1	Yes	Active	NA	4943718	453764		D4122012_RTHA_Obs78.jpg	Adult on nest w/ 3 eggs - nest in juniper tree
6/8/2012	MOB_2	78	Red-tailed Hawk	1	Yes	Active	NA	4943718	453764		D6082012_RTHA_Obs78.jpg	Sick nest in juniper, near the top
4/12/2012	MOB_1	79	Red-tailed Hawk	1	Yes	Active	NA	4944476	453288		D4122012_RTHA_Obs79.jpg	Adult bird on nest in juniper tree
6/8/2012	MOB_2	79	Unknown	0	Yes	Inactive	NA	4944476	453288		D6082012_UNKN_Obs79.jpg	Active red-tailed hawk nest during 1st survey, likely fledged already
4/12/2012	MOB_1	80	Cooper's Hawk	1	No	NA	NA	4833526	452741	None		Cooper's in flight over sage area
4/12/2012	MOB_1	81	Common Raven	1	Yes	Active	NA	4946779	447642		D4122012_COFA_Obs81.jpg	Adult on nest in juniper tree
6/8/2012	MOB_2	81	Unknown	0	Yes	Inactive	NA	4946779	447642		D6082012_COFA_Obs81.jpg	Nest in juniper tree
4/12/2012	MOB_1	82	Red-tailed Hawk	1	Yes	Active	NA	4946297	448066		D4122012_RTHA_Obs82.jpg	Adult on nest in juniper tree
6/8/2012	MOB_2	82	Unknown	0	Yes	Inactive	NA	4946297	448066		D6082012_RTHA_Obs82.jpg	Nest falling apart in juniper tree
4/12/2012	MOB_1	83	Unknown	0	Yes	Inactive	NA	4901062	478416		D4122012_UNKN_Obs83.jpg	Nest in deciduous tree west of pond
6/8/2012	MOB_2	83	Swainson's Hawk	0	Yes	Active	NA	4921852	478416</			

Date	Survey	Obs ID	Species	Total Birds	Nest Y	Nest Activity	Num of Young	NAD83 UTM N	NAD83 UTM E	Photo ID	Comments
4/12/2012	MOB_1	119	Long-billed Curlew	1	No	NA	NA	4886448	462338	None	In flight over ag land
4/12/2012	MOB_1	120	Red-tailed Hawk	1	No	NA	NA	4887994	462602	None	Adult in flight over grassland
4/12/2012	MOB_1	121	Red-tailed Hawk	1	No	NA	NA	4889322	462680	None	Juvenile in flight over grassland habitat
4/12/2012	MOB_1	122	Northern Harrier	1	No	NA	NA	4890967	462952	None	Adult male in flight over grass/sage habitat
4/12/2012	MOB_1	123	Northern Harrier	1	No	NA	NA	4891894	463229	None	Adult male in flight over grass/sage habitat
4/12/2012	MOB_1	124	Red-tailed Hawk	1	Yes	Active	NA	4892024	464209	04122012_RTHA_Obs124.jpg	Adult on nest-nest in clump of deciduous trees
4/12/2012	MOB_1	125	Red-tailed Hawk	1	No	NA	NA	4893035	464143	None	Juvenile in flight over sage/grass habitat
4/12/2012	MOB_1	126	Long-billed Curlew	2	No	NA	NA	4887261	463761	None	In flight over grassland habitat
4/12/2012	MOB_1	127	Common Raven	1	Yes	Active	NA	4887328	463679	None	Adult on nest
4/12/2012	MOB_1	128	Unidentified Falcon	1	No	NA	NA	4887311	463425	None	Flushed unidentified falcon
4/12/2012	MOB_1	129	Barn Owl	2	No	NA	NA	4887311	463425	None	Flushed 2 barn owls
4/12/2012	MOB_1	130	Ferruginous Hawk	1	No	NA	NA	4887311	463425	None	Flushed ferruginous hawk
4/12/2012	MOB_1	131	Long-billed Curlew	3	No	NA	NA	4886079	463145	None	In flight over sage/grass habitat
4/13/2012	MOB_1	132	Long-billed Curlew	1	No	NA	NA	4904262	480643	None	In flight over sage/grass habitat
4/13/2012	MOB_1	133	Golden Eagle	1	No	NA	NA	4893712	453079	None	Adult in flight over sage/grass habitat
4/13/2012	MOB_1	134	Red-tailed Hawk	1	No	NA	NA	4894979	451760	None	Adult in flight over sage/grass habitat
4/13/2012	MOB_1	135	Unknown	0	Yes	Inactive	NA	4894830	452351	04132012_UNKN_Obs135.jpg	Nest on rock face-west aspect
6/6/2012	MOB_2	135	Unknown	0	Yes	Inactive	NA	4894830	452351	None	Rock face, west aspect.
4/13/2012	MOB_1	136	Unknown	0	Yes	Inactive	NA	4896101	451675	04132012_UNKN_Obs136.jpg	Nest in juniper tree
6/4/2012	MOB_2	136	Unknown	0	Yes	Inactive	NA	4896101	451675	None	Nest in juniper tree
4/13/2012	MOB_1	137	Golden Eagle	1	No	NA	NA	4891668	454283	None	Adult in flight over grassland habitat
4/13/2012	MOB_1	138	American Kestrel	1	No	NA	NA	4892853	451444	None	Adult flushed from rock face-sw aspect
4/13/2012	MOB_1	139	Prairie Falcon	1	No	NA	NA	4870122	463720	None	Adult in flight over grassland habitat
4/13/2012	MOB_1	140	Red-tailed Hawk	1	No	NA	NA	4870147	462665	None	Juvenile in flight over sage/grassland habitat
4/13/2012	MOB_1	141	Northern Harrier	1	No	NA	NA	4870087	463720	None	Adult in flight over sage/grassland habitat
4/13/2012	MOB_1	142	Red-tailed Hawk	1	Yes	Active	NA	4867866	463723	04132012_RTHA_Obs142.jpg	Adult on nest-nest in deciduous tree close to road
6/4/2012	MOB_2	142	Red-tailed Hawk	4	Yes	Active	2	4867866	463723	06042012_RTHA_Obs142.jpg	Nest in deciduous tree in riparian area close to road
4/13/2012	MOB_1	143	Short-eared Owl	1	No	NA	NA	4867706	463908	None	In flight-deciduous trees in riparian area
4/13/2012	MOB_1	144	Red-tailed Hawk	1	No	NA	NA	4867474	464060	None	Adult in flight over sage/grassland habitat
4/13/2012	MOB_1	145	Great Horned Owl	1	Yes	Active	NA	4866428	465084	04132012_GHOW_Obs145.jpg	Adult on nest-nest in deciduous tree on north side of river
4/13/2012	MOB_1	146	Red-tailed Hawk	1	Yes	Active	NA	4866510	465227	04132012_RTHA_Obs146.jpg	Adult on nest-nest in deciduous tree on north side of river
6/4/2012	MOB_2	146	Red-tailed Hawk	2	Yes	Active	2	4866510	465227	06042012_RTHA_Obs146.jpg	Nest in deciduous tree in riparian area
4/13/2012	MOB_1	147	Red-tailed Hawk	1	No	NA	NA	4865423	465576	None	Adult male in flight over sage/grass habitat
4/13/2012	MOB_1	148	Red-tailed Hawk	1	Yes	Active	NA	4867187	465365	04132012_RTHA_Obs148.jpg	Adult on nest-nest in deciduous tree about 50 meters south of road
4/13/2012	MOB_1	149	Red-tailed Hawk	1	No	NA	NA	4866263	464838	None	Juvenile in flight
4/13/2012	MOB_1	150	Unknown	0	Yes	Inactive	NA	4866263	464838	04132012_UNKN_Obs150.jpg	Nest in deciduous tree
4/13/2012	MOB_1	151	Great Horned Owl	1	No	NA	NA	4866924	464805	None	Adult in flight over sage/grass habitat
4/13/2012	MOB_1	152	Red-tailed Hawk	1	No	NA	NA	4869248	464876	None	Adult perched in deciduous tree
4/13/2012	MOB_1	153	Common Raven	1	Yes	Active	NA	4869201	464417	04132012_CORA_Obs153.jpg	Adult in nest w/ 2 eggs-nest in deciduous tree on northside of water ditch
4/13/2012	MOB_1	154	Red-tailed Hawk	1	No	NA	NA	4871821	467227	None	Adult in flight over sage/grassland habitat
4/13/2012	MOB_1	155	Ferruginous Hawk	1	No	NA	NA	4876515	464821	None	Adult in flight over sage/grassland habitat
4/13/2012	MOB_1	156	Golden Eagle	2	No	NA	NA	4855028	465141	None	2 adults in flight over sage/grassland habitat
4/13/2012	MOB_1	157	Northern Harrier	1	No	NA	NA	4852084	465251	None	Adult in flight over sage/grass habitat
4/13/2012	MOB_1	158	Long-billed Curlew	1	No	NA	NA	4850842	464845	None	In flight over sage/grass habitat
4/13/2012	MOB_1	159	Northern Harrier	1	No	NA	NA	4847427	465972	None	Juvenile in flight over grassland habitat
4/13/2012	MOB_1	160	Northern Harrier	1	No	NA	NA	4855844	466794	None	In flight over grassland habitat
4/13/2012	MOB_1	161	Prairie Falcon	1	No	NA	NA	4852929	467528	None	In flight over sage/grass habitat
4/13/2012	MOB_1	162	Unknown	0	Yes	Inactive	NA	4843656	467533	04132012_UNKN_Obs162.jpg	Large nest on rock face-w/w aspect
6/4/2012	MOB_2	162	Unknown	0	Yes	Inactive	NA	4843656	467533	06042012_UNKN_Obs162.jpg	Large nest on rock face-w/w aspect
4/13/2012	MOB_1	163	Unknown	0	Yes	Inactive	NA	4844367	467424	04132012_UNKN_Obs163.jpg	Small nest on rock face-s/w aspect
6/4/2012	MOB_2	163	Unknown	0	Yes	Inactive	NA	4844367	467424	06042012_UNKN_Obs163.jpg	Small nest on rock face-s/w aspect
4/13/2012	MOB_1	164	Golden Eagle	0	Yes	Inactive	NA	4843830	467173	04132012_GOEA_Obs164.jpg	Large nest on rock face-s/w aspect
6/4/2012	MOB_2	164	Golden Eagle	0	Yes	Inactive	NA	4843830	467173	06042012_GOEA_Obs164.jpg	Large nest on rock face-s/w aspect
4/13/2012	MOB_1	165	Prairie Falcon	2	Yes	Active	NA	4847253	468177	04132012_PRFA_Obs165.jpg	2 adult birds, 1 on nest-nest on rock face-s/w aspect
6/4/2012	MOB_2	165	Prairie Falcon	2	Yes	Active	2	4847253	468177	06042012_PRFA_Obs165.jpg	2 adult birds, 1 on nest-nest on rock face-s/w aspect
4/13/2012	MOB_1	166	Unknown	0	Yes	Inactive	NA	4846723	468844	04132012_UNKN_Obs166.jpg	Nest on rock face-s/w aspect
4/13/2012	MOB_1	167	Long-billed Curlew	1	No	NA	NA	4850586	467992	None	In flight over grassland habitat
4/14/2012	MOB_1	168	Red-tailed Hawk	1	No	NA	NA	4893671	467405	None	Juvenile in flight over sage/grass habitat
4/14/2012	MOB_1	169	Red-tailed Hawk	1	No	NA	NA	4893063	467375	None	Juvenile in flight over sage/grass habitat
4/14/2012	MOB_1	170	Red-tailed Hawk	1	No	NA	NA	4897360	468356	None	Adult in flight over sage/grass habitat
4/14/2012	MOB_1	171	Golden Eagle	1	No	NA	NA	4898737	467882	None	Adult in flight over sage/grass habitat
4/14/2012	MOB_1	172	Golden Eagle	1	No	NA	NA	4895218	471337	None	Adult in flight over sage/grass habitat
4/14/2012	MOB_1	173	Northern Harrier	1	No	NA	NA	4855447	467743	None	In flight over grassland habitat
4/14/2012	MOB_1	174	Long-billed Curlew	1	No	NA	NA	4853517	471346	None	In flight over grassland habitat
4/14/2012	MOB_1	175	Northern Harrier	1	No	NA	NA	4853466	468457	None	In flight over grassland habitat
4/14/2012	MOB_1	176	Prairie Falcon	1	No	NA	NA	4838557	476932	None	Flushed from rock face-s aspect
6/3/2012	MOB_2	176	Prairie Falcon	1	No	NA	NA	4838557	476932	None	Flushed from rock face
4/14/2012	MOB_1	177	Great Horned Owl	2	Yes	Active	2	4839028	476326	04142012_GHOW_Obs177.jpg	Nest 2 adults from rock face-s aspect
4/14/2012	MOB_1	178	American Kestrel	1	No	NA	NA	4837031	476684	None	In flight near rock face area
4/14/2012	MOB_1	179	Common Raven	1	Yes	Active	NA	4837201	476639	04142012_CORA_Obs179.jpg	Adult on nest-nest on rock face
6/3/2012	MOB_2	179	Common Raven	4	Yes	Active	4	4837201	476639	06032012_CORA_Obs179.jpg	Nest on rock face
4/14/2012	MOB_1	180	Prairie Falcon	1	No	NA	NA	4837480	476380	None	Flushed adult from rock face
4/14/2012	MOB_1	181	Red-tailed Hawk	1	No	NA	NA	4842348	476077	None	Adult in flight over sage/grass habitat
4/14/2012	MOB_1	182	Prairie Falcon	1	No	NA	NA	4835212	475825	None	Adult in flight near rock face area
6/4/2012	MOB_2	182	Prairie Falcon	1	No	NA	NA	4837212	475825	None	Adult in flight, landed on rock face, S aspect, suspect nest but did not find
4/14/2012	MOB_1	183	Golden Eagle	1	No	NA	NA	4836530	477641	None	Adult in flight over grassland habitat
4/14/2012	MOB_1	184	Unknown	0	Yes	Inactive	NA	4836032	478511	06032012_UNKN_Obs184.jpg	Nest on rock face, E aspect
6/3/2012	MOB_2	184	Unknown	0	Yes	Inactive	NA	4836032	478511	06032012_UNKN_Obs184.jpg	Nest on rock face, E aspect
4/14/2012	MOB_1	185	Golden Eagle	0	Yes	Inactive	NA	4836317	478306	04142012_GOEA_Obs185.jpg	Large stick structure nest: same rock wall as 185 but nest picture is different structure
6/3/2012	MOB_2	185	Golden Eagle	1	Yes	Active	1	4836398	484790	06032012_GOEA_Obs185.jpg	Large stick structure nest: same rock wall as 185 but nest picture is different structure
4/14/2012	MOB_1	186	Golden Eagle	0	Yes	Inactive	NA	4836408	478177	04142012_GOEA_Obs186.jpg	5 nest structures on rock face - s/w aspect
6/3/2012	MOB_2	186	Golden Eagle	0	Yes	Inactive	NA	4836398	484790	06032012_GOEA_Obs186.jpg	5 nest structures on rock face
4/14/2012	MOB_1	187	Red-tailed Hawk	1	Yes	Active	NA	4835056	478631	None	Adult on nest-nest on rock face-e/w aspect, 4 eggs on nest
6/3/2012	MOB_2	187	Unknown	0	Yes	Inactive	NA	4835056	478631	06032012_UNKN_Obs187.jpg	Adult flushed from grass/sage habitat
4/14/2012	MOB_1	188	Red-tailed Hawk	1	Yes	Active	NA	4839571	480989	None	Adult on nest-nest on rock face-s aspect
4/14/2012	MOB_1	189	Red-tailed Hawk	1	Yes	Active	NA	4839528	480524	04142012_RTHA_Obs189.jpg	Adult on nest-nest on rock face-s aspect
4/14/2012	MOB_1	190	Red-tailed Hawk	1	No	NA	NA	4834850	479450	None	Adult in flight near rock face area-2 nests on rock face-s aspect
6/3/2012	MOB_2	190	Red-tailed Hawk	4	Yes	Active	3	4834850	479450	06032012_RTHA_Obs190.jpg	Nest on rock face, S aspect, 3 inactive nests on same wall
4/14/2012	MOB_1	191	Unknown	0	Yes	Inactive	NA	4834850	479450	04142012_UNKN_Obs191.jpg	Adult in flight near rock face area-2 nests on rock face-s aspect
4/14/2012	MOB_1	192	Prairie Falcon	1	Yes	Active	NA	4834564	479458	04142012_PRFA_Obs192.jpg	Adult on nest-nest on rock face-w aspect
4/14/2012	MOB_1	193	Golden Eagle	0	Yes	Inactive	NA	4834469	479458	04142012_GOEA_Obs193.jpg	2 nest structures on rock face-s aspect
4/14/2012	MOB_1	194	Golden Eagle	0	Yes	Inactive	NA	4834663	479573	04142012_GOEA_Obs194.jpg	Nest on rock face-n/w aspect
6/3/2012	MOB_2	194	Golden Eagle	0	Yes	Inactive	NA	4834663	479573	06032012_GOEA_Obs194.jpg	Nest on rock face-n/w aspect
4/14/2012	MOB_1	195	Prairie Falcon	1	No	NA	NA	4832959	480279	None	Adult flushed from rock face area
4/1											



Date	Survey	Obs ID	Species	Total Birds	Nest Y	Nest Activity	Num of Young	NAD83 UTM N	NAD83 UTM E	Photo ID	Comments
6/3/2012	MOB	228	Unknown	0	Yes	Inactive	NA	483665	482114	06032012_UNKN_Obs228.jpg	Nest on rock face-E-SE aspect
4/15/2012	MOB	229	Unknown	0	Yes	Inactive	NA	483943	483170	04152012_UNKN_Obs229.jpg	Nest on rock face-S-SE aspect
6/3/2012	MOB	229	Unknown	0	Yes	Inactive	NA	483943	483170	06032012_UNKN_Obs229.jpg	Nest on rock face-S-SE aspect
4/15/2012	MOB	230	Unknown	0	Yes	Inactive	NA	4835999	483219	04152012_UNKN_Obs230.jpg	Nest on rock face-N aspect
4/15/2012	MOB	231	Prairie Falcon	1	Yes	Active	5	4835983	483072	04152012_PRFA_Obs231.jpg	Adult on nest w/ 5 eggs-nest on rock face-NW aspect
6/3/2012	MOB	231	Prairie Falcon	4	Yes	Active	2	4835983	483072	06032012_PRFA_Obs231.jpg	Nest on rock face, W-SW aspect
4/15/2012	MOB	232	Unknown	0	Yes	Inactive	NA	4835804	483009	04152012_UNKN_Obs232.jpg	Nest on rock face-NW aspect
4/15/2012	MOB	233	Red-tailed Hawk	1	No	NA	NA	4835049	483874	None	Adult in flight over sage habitat
4/15/2012	MOB	234	Red-tailed Hawk	1	Yes	Active	2	4837262	484243	04152012_RTHA_Obs234.jpg	Adult in nest w/ 2 eggs-nest on rock face-S aspect
4/15/2012	MOB	235	Prairie Falcon	1	Yes	Active	4	4837370	484156	04152012_PRFA_Obs235.jpg	Adult on nest w/ 4 eggs-Bird flushed from nest-nest on rock face-S aspect
4/15/2012	MOB	236	Unknown	0	Yes	Inactive	NA	4837464	483859	04152012_UNKN_Obs236.jpg	Nest on rock face-S-SW aspect
6/2/2012	MOB	236	Unknown	0	Yes	Inactive	NA	4837464	483859	06022012_UNKN_Obs236.jpg	Nest on rock face-S-SW aspect
6/3/2012	MOB	236	Unknown	0	Yes	Inactive	NA	4837464	483859	06032012_UNKN_Obs236.jpg	Nest on rock face-S-SW aspect
4/15/2012	MOB	237	Golden Eagle	0	Yes	Inactive	NA	4836423	484796	04152012_GOEA_Obs237.jpg	Nest on rock face-W-SW aspect
6/2/2012	MOB	237	Golden Eagle	0	Yes	Inactive	NA	4836423	484796	06022012_GOEA_Obs237.jpg	Large stick structure nest not associates w/ falcon
4/15/2012	MOB	238	Northern Harrier	1	No	NA	NA	4829747	None	None	In flight over grassland habitat
4/15/2012	MOB	239	Common Raven	1	Yes	Active	NA	4831181	486407	04152012_CORA_Obs239.jpg	Adult on nest-nest on large metal power pole
4/15/2012	MOB	240	Unknown	0	Yes	Inactive	NA	4829613	486341	04152012_UNKN_Obs240.jpg	Nest on rock face-E aspect
6/2/2012	MOB	240	Unknown	0	Yes	Inactive	NA	4829613	486341	06022012_UNKN_Obs240.jpg	Nest on rock face, south southeast aspect
4/15/2012	MOB	241	Ferruginous Hawk	1	No	NA	NA	4830840	486924	None	Adult perched on large metal power pole
4/15/2012	MOB	242	Long-billed Curlew	1	No	NA	NA	4831708	487028	None	In flight over grassland habitat
4/15/2012	MOB	243	Unknown	0	Yes	Inactive	NA	4831823	488494	04152012_UNKN_Obs243.jpg	Nest on rock face-S-SE aspect
6/2/2012	MOB	243	Common Raven	Unkn	Yes	Active	Unkn	4831823	488494	06022012_CORA_Obs243.jpg	See WP171 for details and previous photo
4/15/2012	MOB	244	Long-billed Curlew	2	No	NA	NA	4831032	488496	None	In flight over grass-sage habitat
4/15/2012	MOB	245	Golden Eagle	2	Yes	Active	NA	4830051	487712	04152012_GOEA_Obs245.jpg	Adult in flight/adult on nest-nest on rock face-E aspect
6/2/2012	MOB	245	Golden Eagle	0	Yes	Active	NA	4830051	487712	06022012_GOEA_Obs245.jpg	See WP255 for site description-photo 76/9
4/15/2012	MOB	246	Red-tailed Hawk	1	Yes	Active	NA	4831699	493056	04152012_RTHA_Obs246.jpg	Adult on nest-nest in deciduous tree near cattle in pasture
4/15/2012	MOB	247	Red-tailed Hawk	1	Yes	Active	NA	4828780	490159	04152012_RTHA_Obs247.jpg	Adult on nest-nest on large metal power pole
6/2/2012	MOB	247	Red-tailed Hawk	1	Yes	Active	NA	4828780	490159	06022012_RTHA_Obs247.jpg	Nest on large metal power line structure, 3 young in nest
4/15/2012	MOB	248	Unknown	0	Yes	Inactive	NA	4820033	496745	04152012_UNKN_Obs248.jpg	Nest on rock face-W aspect
4/15/2012	MOB	249	Golden Eagle	1	Yes	Active	NA	4819437	498655	04152012_GOEA_Obs249.jpg	Adult dead on nest-nest on rock face-E-SE aspect
4/15/2012	MOB	250	Golden Eagle	1	Yes	Active	NA	4819276	498541	04152012_GOEA_Obs250.jpg	Adult on nest-nest on rock face-E-SE aspect
6/2/2012	MOB	250	Prairie Falcon	1	Yes	Active	NA	4820193	500216	06022012_PRFA_Obs250.jpg	Nest on rock face, S-SE aspect, 4 young in nest
4/15/2012	MOB	251	Common Raven	1	Yes	Active	NA	4818473	498951	04152012_CORA_Obs251.jpg	Adult on nest-nest on rock face-SE aspect
4/15/2012	MOB	252	Red-tailed Hawk	1	Yes	Active	2	4818482	499100	04152012_RTHA_Obs252.jpg	Adult-nest with 2 eggs-nest on rock face-W aspect
4/15/2012	MOB	253	Northern Harrier	1	No	NA	NA	4821026	501804	None	In flight in riparian area
4/15/2012	MOB	254	Red-tailed Hawk	2	No	NA	NA	4821130	501835	None	Adult and juvenile perched in deciduous tree
4/15/2012	MOB	255	Long-eared Owl	1	Yes	Active	NA	4821522	501571	04152012_LEOW_Obs255.jpg	2 nests in deciduous tree near water ditch
4/15/2012	MOB	256	Red-tailed Hawk	1	No	NA	NA	4821736	502885	None	Perched in deciduous tree
4/15/2012	MOB	257	Northern Harrier	1	No	NA	NA	4821385	502615	None	Adult in flight over ag land
4/15/2012	MOB	258	Red-tailed Hawk	1	Yes	Active	NA	4820531	503545	04152012_RTHA_Obs258.jpg	Adult bird-nest in deciduous tree near ranch house
6/2/2012	MOB	258	Red-tailed Hawk	1	Yes	Active	NA	4820531	503545	06022012_RTHA_Obs258.jpg	Nest in deciduous tree, 3 young in nest
4/15/2012	MOB	259	Unknown	0	Yes	Inactive	NA	4813113	506855	04152012_UNKN_Obs259.jpg	Nest on rock face-S-SE aspect
4/15/2012	MOB	260	Great Horned Owl	1	No	NA	NA	4813348	506994	None	Adult-flushed from rock face-W-NW aspect
4/15/2012	MOB	261	Barn Owl	1	No	NA	NA	4813482	506909	None	Adult-flushed from rock face-E aspect
4/15/2012	MOB	262	Red-tailed Hawk	1	Yes	Inactive	NA	4813488	507028	04152012_UNKN_Obs262.jpg	2 nests on rock face-E aspect
4/15/2012	MOB	263	Red-tailed Hawk	1	Yes	Active	NA	4812918	507028	04152012_RTHA_Obs263.jpg	Adult on nest-nest on rock face-E aspect
4/15/2012	MOB	264	Unknown	0	Yes	Inactive	NA	4812656	507640	04152012_UNKN_Obs264.jpg	Small nest on rock face-E aspect
4/15/2012	MOB	265	Red-tailed Hawk	2	Yes	Active	NA	4812728	507741	04152012_RTHA_Obs265.jpg	Adult in flight over sage habitat-Adult on nest-Nest on rock face-W aspect
4/15/2012	MOB	266	American Kestrel	1	No	NA	NA	4814141	511353	None	Adult on flight over grassland habitat
4/15/2012	MOB	267	American Kestrel	1	No	NA	NA	4805282	528	None	Adult flushed from deciduous tree near pond
4/15/2012	MOB	268	Unknown	0	Yes	Inactive	NA	4801138	522691	04152012_UNKN_Obs268.jpg	2 old nests on rock face-E aspect
6/2/2012	MOB	268	Unknown	0	Yes	Inactive	NA	4812656	507640	06022012_UNKN_Obs268.jpg	Nest on rock face, W aspect
4/15/2012	MOB	269	Unknown	0	Yes	Inactive	NA	4801341	522427	04152012_UNKN_Obs269.jpg	Nest on rock face-E aspect
4/15/2012	MOB	270	Red-tailed Hawk	1	No	NA	NA	4801523	521567	None	Adult in flight over sage habitat
4/16/2012	MOB	271	Unknown	0	Yes	Inactive	NA	4844360	467424	None	Nest on rock face-E-SE aspect-no photo
4/16/2012	MOB	272	Golden Eagle	0	Yes	Inactive	NA	4843828	467166	04162012_GOEA_Obs272.jpg	Large nest on rock face-E-SE aspect
4/16/2012	MOB	273	American Kestrel	1	No	NA	NA	4843830	467014	None	Adult flushed from rock face
4/16/2012	MOB	274	Golden Eagle	1	No	NA	NA	4843893	467488	None	Bird in flight
4/16/2012	MOB	275	Golden Eagle	1	No	NA	NA	4842425	472469	None	Perched on rock-ground
4/16/2012	MOB	276	Common Raven	1	Yes	Active	NA	4840917	470479	04162012_CORA_Obs276.jpg	Adult on nest-nest on rock face-E aspect
4/16/2012	MOB	277	Barn Owl	1	Yes	Active	NA	4840855	470826	04162012_BAOW_Obs277.jpg	Adult on nest w/ 7 eggs-nest on rock face-E aspect
4/16/2012	MOB	278	Golden Eagle	1	Yes	Inactive	NA	4840736	470767	04162012_GOEA_Obs278.jpg	Nest on rock face-E aspect
4/16/2012	MOB	279	Common Raven	4	Yes	Active	NA	4842773	467290	04162012_CORA_Obs279.jpg	Adult on nest-nest on rock face-S aspect
6/4/2012	MOB	279	Common Raven	4	Yes	Active	NA	4842773	467290	06042012_CORA_Obs279.jpg	Nest on rock face-S aspect
4/16/2012	MOB	280	Northern Harrier	1	No	NA	NA	4841653	466560	None	In flight over sage/grass habitat
4/16/2012	MOB	281	Unknown	0	Yes	Inactive	NA	4841094	466037	04162012_UNKN_Obs281.jpg	Nest on rock face-W aspect
4/16/2012	MOB	282	Unknown	0	Yes	Inactive	NA	4839457	474177	04162012_UNKN_Obs282.jpg	Nest in deciduous tree on west side of pond
6/3/2012	MOB	282	Short-eared Owl	4	No	NA	NA	4839457	474177	None	Flushed 4 owls in spring area - original WP was for unkn nest
6/3/2012	MOB	282	Cooper's Hawk	1	No	NA	NA	4839457	474177	None	Flushed in same area as owls
4/16/2012	MOB	283	Barn Owl	2	No	NA	NA	4838543	476922	None	2 adults flushed from rock face-E-SE aspect
4/16/2012	MOB	284	Identified Falcon	1	No	NA	NA	4841898	463892	None	In flight over sage/grass habitat
4/16/2012	MOB	285	Northern Harrier	1	No	NA	NA	4838893	469792	None	In flight over grass/sage habitat
4/16/2012	MOB	286	Golden Eagle	1	No	NA	NA	4838215	466716	None	Perched on edge of water tank
4/16/2012	MOB	287	Golden Eagle	0	Yes	Inactive	NA	4837989	466527	04162012_GOEA_Obs287.jpg	1 nest structures-3 large-on rock face
6/3/2012	MOB	287	Golden Eagle	0	Yes	Active	NA	4837989	466527	06032012_GOEA_Obs287.jpg	3 large stick nests on rock face, 1 nest had 2 eggs, unsuccessful?
4/16/2012	MOB	288	Northern Harrier	1	No	NA	NA	4837372	468323	None	In flight near pond area
6/3/2012	MOB	288	Northern Harrier	1	No	NA	NA	4837372	468323	None	Adult in flight
6/3/2012	MOB	288	Barn Owl	1	No	NA	NA	4837372	468323	None	Flushed from deciduous trees near pond
4/16/2012	MOB	289	Short-eared Owl	1	No	NA	NA	4837372	468323	None	Flushed from deciduous trees near pond
6/3/2012	MOB	289	Short-eared Owl	1	No	NA	NA	4837372	468323	None	Flushed from deciduous trees near pond
4/16/2012	MOB	290	Ferruginous Hawk	1	Yes	Active	NA	4837145	470634	04162012_FEHA_Obs290.jpg	Adult perched on rock near a ground nest
6/3/2012	MOB	290	Ferruginous Hawk	1	Yes	Active	0	4837145	470634	06032012_FEHA_Obs290.jpg	Adult bird on ground nest
4/16/2012	MOB	291	Prairie Falcon	1	Yes	Active	NA	4838436	463101	04162012_PRFA_Obs291.jpg	Adult flushed from rock face-nest located with 5 eggs-nest E aspect
4/16/2012	MOB	292	Golden Eagle	1	Yes	Active	NA	4837489	469293	None	Adult on nest-nest on rock face - a second nest in the area-nest W aspect
4/16/2012	MOB	293	Ferruginous Hawk	1	No	NA	NA	4835413	469293	None	Adult perched on rock
4/16/2012	MOB	294	Ferruginous Hawk	1	Yes	Active	NA	4835607	469323	04162012_FEHA_Obs294.jpg	Adult on nest-nest on rock face
4/16/2012	MOB	295	Golden Eagle	1	Yes	Active	NA	4834038	470686	04162012_GOEA_Obs295.jpg	Adult on nest-nest on large metal power pole
6/2/2012	MOB	296	Great Egret	1	No	NA	NA	4802416	528499	None	Adult in flight - Snowy Egret?
6/2/2012	MOB	297	Long-billed Curlew	2	No	NA	NA	4802664	528386	None	Two birds in flight
6/2/2012	MOB	298	Prairie Falcon	3	Yes	Active	2	4801334	522478	06022012_PRFA_Obs298.jpg	1 adult & 2 chicks in nest; not on rock face; S aspect
6/2/2012	MOB	299	Golden Eagle	1	No	NA	NA	4803946	518788	None	Juvenile bird in flight
6/2/2012	MOB	300	Red-tailed Hawk	1	No	NA	NA	4804469	517876	None	Adult bird in flight
6/2/201											

Date	Survey	Obs ID	Species	Total Birds	Nest Y	Nest	Nest Activity	Num of Young	NAD83 UTM N	NAD83 UTM E	Photo ID	Comments
6/2/2012	MOB_2	344	Golden Eagle	0	Yes	Inactive	NA	4819283	498516	None	96022012_GOEAE_Obs344.jpg	Large stick nest on rock face
6/2/2012	MOB_2	345	Barn Owl	0	Yes	Active	UN	4819895	498616	None	None	Nest on rock face, W aspect
6/2/2012	MOB_2	346	Red-tailed Hawk	1	No	NA	NA	4820643	496181	None	None	Adult bird in flight - end 1st flight
6/2/2012	MOB_2	347	Red-tailed Hawk	3	Yes	Active	3	4833727	492760	96022012_RTHA_Obs347.jpg	None	Nest in deciduous tree, 3 young in nest
6/2/2012	MOB_2	348	Red-tailed Hawk	3	Yes	Active	UN	4837297	492519	None	None	Nest in deciduous tree, could not get a clear look &/or photo
6/2/2012	MOB_2	349	Golden Eagle	0	Yes	Inactive	NA	4838263	491505	96022012_GOEAE_Obs349.jpg	None	Nest on rock face, N-NE aspect
6/2/2012	MOB_2	350	Unknown	0	Yes	Inactive	NA	4839760	491320	96022012_UNKN_Obs350.jpg	None	Nest on rock face, S aspect
6/2/2012	MOB_2	351	Golden Eagle	1	Yes	Active	1	4838546	491814	96022012_GOEAE_Obs351.jpg	None	Two nests, 1 active w/ young bird, 1 inactive-both on rock face, SE aspect
6/2/2012	MOB_2	352	Short-eared Owl	1	No	NA	NA	4839723	492344	None	None	Flushed bird from rock face
6/2/2012	MOB_2	353	Golden Eagle	1	No	NA	NA	4829456	488936	None	None	Adult bird on main transmission line structure
6/2/2012	MOB_2	354	Northern Harrier	1	No	NA	NA	4831623	487504	None	None	Adult bird in flight
6/2/2012	MOB_2	355	Common Raven	UN	Yes	Active	UN	4833085	488695	None	None	Nest on rock face, N aspect - several young in nest
6/2/2012	MOB_2	356	Common Raven	UN	Yes	Active	UN	4834526	488695	96022012_CORA_Obs356.jpg	None	Nest on rock face, S aspect - several young in nest
6/2/2012	MOB_2	357	Red-tailed Hawk	1	No	NA	NA	4834526	488364	None	None	Flushed bird from ground, carrying a snake
6/2/2012	MOB_2	358	Red-tailed Hawk	2	Yes	Active	1	4835012	488256	96022012_RTHA_Obs358.jpg	None	Nest on rock face, S aspect, 1 adult and 1 young on nest - snake in nest.
6/2/2012	MOB_2	359	Red-tailed Hawk	1	No	NA	NA	4835746	483946	None	None	Flushed bird from rock face
6/2/2012	MOB_2	360	Common Raven	UN	Yes	Active	UN	4834032	484151	96022012_CORA_Obs360.jpg	None	Nest on rock face, S aspect. Numerous young in nest
6/2/2012	MOB_2	361	Red-tailed Hawk	4	Yes	Active	3	4831972	483113	96022012_RTHA_Obs361.jpg	None	Nest on rock face, E-SE aspect, 1 adult & 3 juvenile birds
6/2/2012	MOB_2	362	Unknown	NA	Yes	Inactive	NA	4836209	483585	96022012_UNKN_Obs362.jpg	None	Nest on rock face, N-NW aspect
6/2/2012	MOB_2	363	Great Horned Owl	1	No	NA	NA	4836757	483477	None	None	Flushed from rock face
6/2/2012	MOB_2	364	American Kestrel	1	Yes	NA	NA	4837042	483465	None	None	Adult female in flight
6/2/2012	MOB_2	365	Great Horned Owl	1	No	NA	NA	4837074	484104	None	None	Flushed adult from rock face, S aspect
6/2/2012	MOB_2	366	Prairie Falcon	1	No	NA	NA	4837074	484104	None	None	Flushed adult from rock face, S aspect-PF flushed just after the owl.
6/2/2012	MOB_2	367	Prairie Falcon	1	No	NA	NA	4836398	484790	None	None	Adult bird in flight
6/2/2012	MOB_2	367.1	Red-tailed Hawk	2	Yes	Active	2	4842282	4842282	96022012_RTHA_Obs367b.jpg	None	See CR249 for site info
6/2/2012	MOB_2	368	Unknown	0	Yes	Inactive	NA	4838346	486099	96022012_UNKN_Obs368.jpg	None	Nest on rock face, N aspect
6/2/2012	MOB_2	369	Common Raven	5	Yes	Active	5	4805164	513832	96022012_CORA_Obs369.jpg	None	Nest on rock face, S-SE aspect, 5 juveniles in nest
6/2/2012	MOB_2	370	Ferruginous Hawk	0	Yes	Inactive	NA	4849883	483070	96022012_FEHA_Obs370.jpg	None	Inactive nest
6/2/2012	MOB_2	371	Short-eared Owl	1	No	NA	NA	4846010	484810	None	None	Adult owl in flight
6/2/2012	MOB_2	372	Northern Harrier	1	No	NA	NA	4845949	484789	None	None	Adult bird in flight
6/2/2012	MOB_2	373	Red-tailed Hawk	2	No	NA	NA	4845432	484764	None	None	Two adults perched in deciduous tree
6/2/2012	MOB_2	374	Great Horned Owl	3	Yes	Active	1	4845641	485224	96022012_GHOW_Obs374.jpg	None	In rock crevice
6/2/2012	MOB_2	375	Inactive	UN	Yes	Inactive	NA	4845641	485224	96022012_UNKN_Obs375.jpg	None	3 nest structures on rock face, W aspect
6/2/2012	MOB_2	376	American Kestrel	1	No	NA	NA	4845572	485225	None	None	Adult in flight
6/2/2012	MOB_2	377	Golden Eagle	1	No	NA	NA	4840607	485256	None	None	Adult in flight
6/2/2012	MOB_2	378	Great Horned Owl	1	No	NA	NA	4839509	483208	None	None	Adult flushed from rock face
6/2/2012	MOB_2	379	American Kestrel	1	No	NA	NA	4838414	483662	None	None	Adult in flight
6/2/2012	MOB_2	380	Golden Eagle	1	No	NA	NA	4837452	482742	None	None	Adult in flight
6/2/2012	MOB_2	381	Barn Owl	1	No	NA	NA	4838587	482213	None	None	Flushed adult from rock face, S aspect
6/2/2012	MOB_2	382	Unknown	0	Yes	Inactive	NA	4835912	482810	96022012_UNKN_Obs382.jpg	None	Nest on rock face, E-NE aspect
6/2/2012	MOB_2	383	American Kestrel	1	No	NA	NA	4836040	482699	None	None	Adult flushed from rock face
6/2/2012	MOB_2	384	Golden Eagle	1	No	NA	NA	4839038	481716	None	None	Adult in flight
6/2/2012	MOB_2	385	American Kestrel	1	No	NA	NA	4834488	481763	None	None	Adult in flight
6/2/2012	MOB_2	386	Unknown	0	Yes	Inactive	NA	4834210	481756	96022012_UNKN_Obs386.jpg	None	Nest on rock face, S-SE aspect
6/2/2012	MOB_2	387	Red-tailed Hawk	3	Yes	Active	2	4830193	482041	96022012_RTHA_Obs387.jpg	None	Nest on rock face, W aspect
6/2/2012	MOB_2	388	Golden Eagle	1	Yes	Inactive	NA	4831759	481789	96022012_GOEAE_Obs388.jpg	None	Large stick nest on rock face, W-SW aspect
6/2/2012	MOB_2	389	Prairie Falcon	1	No	NA	NA	4832382	481199	None	None	Adult in flight
6/2/2012	MOB_2	390	Unknown	0	Yes	Inactive	NA	4831096	481766	96022012_UNKN_Obs390.jpg	None	Nest on rock face, SW aspect
6/2/2012	MOB_2	391	Prairie Falcon	1	No	NA	NA	4830864	481925	None	None	Adult bird flushed from rock face
6/2/2012	MOB_2	392	Unknown	0	Yes	Inactive	NA	4831640	481756	96022012_UNKN_Obs392.jpg	None	See photos for details
6/2/2012	MOB_2	393	American Kestrel	1	No	NA	NA	4833103	479858	None	None	Adult in flight
6/2/2012	MOB_2	394	Prairie Falcon	1	No	NA	NA	4832885	479203	None	None	Adult in flight
6/2/2012	MOB_2	395	Great Horned Owl	1	No	NA	NA	4832918	478713	None	None	Adult in flight
6/2/2012	MOB_2	396	Unknown	0	Yes	Inactive	NA	4832737	478755	96022012_UNKN_Obs396.jpg	None	Nest on rock face, NW aspect, well hidden by overhead ledge
6/2/2012	MOB_2	397	Red-tailed Hawk	1	No	NA	NA	4832069	478540	None	None	Adult in flight
6/2/2012	MOB_2	398	Red-tailed Hawk	1	No	NA	NA	4832662	480620	None	None	Adult in flight
6/2/2012	MOB_2	399	Red-tailed Hawk	1	No	NA	NA	4832509	481272	None	None	Adult in flight
6/2/2012	MOB_2	400	Golden Eagle	1	Yes	Inactive	NA	4835126	481429	None	None	Adult in flight
6/2/2012	MOB_2	401	Golden Eagle	1	Yes	Inactive	NA	4836276	481725	96022012_UNKN_Obs401.jpg	None	Nest on rock face, N aspect
6/2/2012	MOB_2	402	Golden Eagle	0	Yes	Inactive	NA	4836166	481785	96022012_GOEAE_Obs402.jpg	None	Nest on rock face, E aspect
6/2/2012	MOB_2	403	American Kestrel	1	No	NA	NA	4835305	480165	None	None	Adult bird in flight
6/2/2012	MOB_2	404	Unknown	0	Yes	Inactive	NA	4835311	479716	96022012_UNKN_Obs404.jpg	None	Nest on rock face, W aspect
6/2/2012	MOB_2	405	Prairie Falcon	1	No	NA	NA	4835065	479979	None	None	Adult flushed from rock face
6/2/2012	MOB_2	406	Great Horned Owl	1	No	NA	NA	4835165	479874	None	None	Adult in flight, flew in area of WP669 and was attack by 2 prairie falcons, owl may have been
6/2/2012	MOB_2	407	Unknown	0	Yes	Inactive	NA	4834764	479571	96022012_UNKN_Obs407.jpg	None	Large nest-see photo for detail
6/2/2012	MOB_2	408	Golden Eagle	0	Yes	Inactive	NA	4834344	479479	96022012_GOEAE_Obs408.jpg	None	3 large nest structures on rock face, W aspect
6/2/2012	MOB_2	409	Golden Eagle	1	No	NA	NA	4834342	480777	None	None	Adult perched on large metal power pole
6/2/2012	MOB_2	410	Unknown	0	Yes	Inactive	NA	4838388	481789	96022012_UNKN_Obs410.jpg	None	Nest on rock face
6/2/2012	MOB_2	411	Great Horned Owl	4	Yes	Active	3	4838388	481789	96022012_GHOW_Obs411.jpg	None	Nest and owls
6/2/2012	MOB_2	412	Unknown	0	Yes	Inactive	NA	4838387	481283	96022012_UNKN_Obs412.jpg	None	Nest on rock face, W aspect
6/2/2012	MOB_2	413	American Kestrel	1	No	NA	NA	4838502	481805	None	None	Adult in flight
6/2/2012	MOB_2	414	Unknown	0	Yes	Inactive	NA	4837298	478561	96022012_UNKN_Obs414.jpg	None	Nest on rock face, S aspect
6/2/2012	MOB_2	415	American Kestrel	1	No	NA	NA	4838107	480700	None	None	Adult in flight
6/2/2012	MOB_2	416	American Kestrel	1	No	NA	NA	4837941	476658	None	None	Adult in flight
6/2/2012	MOB_2	417	Northern Harrier	1	No	NA	NA	4841152	476588	None	None	Adult in flight
6/2/2012	MOB_2	418	Golden Eagle	1	No	NA	NA	4839262	471607	None	None	Adult in flight
6/2/2012	MOB_2	419	Ferruginous Hawk	1	No	NA	NA	4838273	470342	None	None	Flushed adult from rocky area
6/2/2012	MOB_2	420	Burrowing Owl	1	No	NA	NA	4838833	470435	None	None	Flushed adult from ground
6/2/2012	MOB_2	421	Unknown	0	Yes	Inactive	NA	4833165	477994	None	None	Nest on rock face, W-NW aspect
6/2/2012	MOB_2	422	Red-tailed Hawk	2	No	NA	NA	4841088	468372	None	None	Flushed from ground, photos in flight-initially thought Swainson but changed to red-tail
6/2/2012	MOB_2	423	Unknown	0	Yes	Inactive	NA	4841094	468372	96022012_UNKN_Obs423.jpg	None	Nest on rock face, W aspect
6/2/2012	MOB_2	424	Short-eared Owl	1	No	NA	NA	4841697	467076	None	None	Flushed adult in riparian area
6/2/2012	MOB_2	425	Short-eared Owl	3	No	NA	NA	4842000	466579	None	None	Flushed 3 owls in riparian area
6/2/2012	MOB_2	426	Red-tailed Hawk	1	No	NA	NA	4841721	467893	None	None	In flight - initially called a Swainson but later changed to juvenile Red tail
6/2/2012	MOB_2	427	Red-tailed Hawk	1	No	NA	NA	4841862	465981	None	None	Juvenile redtail perched on rock
6/2/2012	MOB_2	428	American Kestrel	1	No	NA	NA	4843811	467138	None	None	Adult in flight
6/2/2012	MOB_2	429	Red-tailed Hawk	1	No	NA	NA	4842695	464600	None	None	Juvenile in flight
6/2/2012	MOB_2	430	Unidentified Falcon	1	No	NA	NA	4848172	464678	None	None	Unidentified falcon in flight
6/2/2012	MOB_2	431	Ferruginous Hawk	1	No	NA	NA	48485023	4665293	None	None	Flushed adult from rock cam
6/2/2012	MOB_2	432	Red-tailed Hawk	1	No	NA	NA	4845442	466118	None	None	Juvenile flushed from ground
6/2/2012	MOB_2	433	Short-eared Owl	1	No	NA	NA	4847393	464568	None	None	Flushed from Russian Olive trees in riparian area



Date	Survey	Obs ID	Species	Total Birds	Nest Y	Nest X	Nest Activity	Num of Young	NAD83 UTM N	NAD83 UTM E	Photo ID	Comments
6/5/2012	MOB	2 479	Red-tailed Hawk	1	No	NA	NA	4889659	463477	None		Juvenile flushed from ground.
6/5/2012	MOB	2 480	Red-tailed Hawk	1	No	NA	NA	4891771	463105	None		Flushed
6/5/2012	MOB	2 481	American Kestrel	2	No	NA	NA	4891742	463294	None		Flushed from dying deciduous tree, possible cavity nest.
6/5/2012	MOB	2 482	Barn Owl	2	No	NA	NA	4891981	462035	None		Flushed near pond.
6/5/2012	MOB	2 483	Great Horned Owl	2	Yes	Active	2	4891981	462035	None		Young owls perched in tree near pond.
6/6/2012	MOB	2 484	Burrowing Owl	1	Yes	Active	0	4889878	456229	66062012_BUOW_Obs484.jpg		Adult flushed from burrow opening.
6/6/2012	MOB	2 485	Short-eared Owl	1	No	NA	NA	4598653	456368	None		Flushed from riparian area.
6/6/2012	MOB	2 486	Golden Eagle	1	No	NA	NA	4887812	456810	None		Flushed from ground, had chukar in talons
6/6/2012	MOB	2 487	Burrowing Owl	2	Yes	Active	0	4888104	457322	66062012_BUOW_Obs487.jpg		Flushed from burrow opening.
6/6/2012	MOB	2 488	Red-tailed Hawk	1	No	NA	NA	4894325	462783	None		In flight over ag land
6/6/2012	MOB	2 489	Golden Eagle	1	Yes	Active	1	4902077	457426	66062012_GOEA_Obs489.jpg		Rock face, west-southwest aspect
6/6/2012	MOB	2 490	Northern Harrier	1	No	NA	NA	4898024	461933	None		Adult male in flight.
6/6/2012	MOB	2 491	Red-tailed Hawk	1	No	NA	NA	4898157	461423	None		In flight.
6/6/2012	MOB	2 492	Unknown	0	Yes	Inactive	NA	4900323	461820	None		Small nest on rock face, southeast aspect.
6/6/2012	MOB	2 493	Unknown	0	Yes	Inactive	NA	4902382	462060	66062012_UNKN_Obs493.jpg		Small nest on rock face, southwest aspect.
6/6/2012	MOB	2 494	Red-tailed Hawk	2	Yes	Active	2	4903157	462258	66062012_RTHA_Obs494.jpg		2 fledglings on rock ledge above small stick nest on rock face, south aspect
6/6/2012	MOB	2 495	Prairie Falcon	2	No	NA	NA	4901858	462705	None		2 adults attacking great horned owl
6/6/2012	MOB	2 496	Great Horned Owl	1	No	NA	NA	4901858	462705	None		Being attacked by 2 prairie falcons
6/6/2012	MOB	2 497	Prairie Falcon	7	Yes	Active	5	4902284	462490	66062012_PRFA_Obs497.jpg		Rock face, southeast aspect, west side of canyon
6/6/2012	MOB	2 498	Red-tailed Hawk	2	No	NA	NA	4901858	462705	None		2 adults in flight.
6/6/2012	MOB	2 499	Unknown	0	Yes	Inactive	NA	4900747	462122	66062012_UNKN_Obs499.jpg		Small nest on rock face, south aspect.
6/6/2012	MOB	2 500	Unknown	0	Yes	Inactive	NA	4900452	462193	66062012_UNKN_Obs500.jpg		Small nest on rock face, west aspect
6/6/2012	MOB	2 501	Prairie Falcon	5	Yes	Active	5	4900660	462110	66062012_PRFA_Obs501.jpg		Rock face, south aspect
6/6/2012	MOB	2 502	Prairie Falcon	1	No	NA	NA	4900660	462110	None		In flight near 822
6/6/2012	MOB	2 503	Prairie Falcon	8	Yes	Active	4	4900411	462110	66062012_PRFA_Obs503.jpg		Flushed adults, nest on rock face, southeast aspect
6/6/2012	MOB	2 504	Prairie Falcon	4	Yes	Active	3	4900882	463755	66062012_PRFA_Obs504.jpg		Rock face south aspect
6/6/2012	MOB	2 505	Prairie Falcon	1	No	NA	NA	4900093	462990	None		Adult in flight
6/6/2012	MOB	2 506	Unknown	0	Yes	Inactive	NA	4899015	462438	66062012_UNKN_Obs506.jpg		Small nest on rock face, south aspect.
6/6/2012	MOB	2 507	Golden Eagle	0	Yes	Inactive	NA	4899086	462598	66062012_GOEA_Obs507.jpg		On rock face, west aspect
6/6/2012	MOB	2 508	Golden Eagle	0	Yes	Inactive	NA	4899818	462785	66062012_GOEA_Obs508.jpg		Large stick nest on rock face, northwest aspect
6/6/2012	MOB	2 509	Prairie Falcon	4	No	NA	NA	4900778	464159	None		2 adults, 2 fledglings on the ground, likely nest in the area.
6/6/2012	MOB	2 510	Unknown	0	Yes	Inactive	NA	4900840	464220	66062012_UNKN_Obs510.jpg		Rock face west aspect
6/6/2012	MOB	2 511	Barn Owl	1	No	NA	NA	4899448	464254	None		Flushed from rock face
6/6/2012	MOB	2 512	Barn Owl	1	No	NA	NA	4899476	464552	None		Flushed from rock face
6/6/2012	MOB	2 513	Unknown	0	Yes	Inactive	NA	4899325	464723	66062012_UNKN_Obs513.jpg		Rock face west aspect
6/6/2012	MOB	2 514	Red-tailed Hawk	2	No	NA	NA	4900184	464472	None		2 adults in flight
6/6/2012	MOB	2 515	Red-tailed Hawk	1	No	NA	NA	4900981	465376	None		Juvenile in flight
6/6/2012	MOB	2 516	Red-tailed Hawk	1	No	NA	NA	4903426	467409	None		Adult in flight
6/6/2012	MOB	2 517	Swainson's Hawk	2	Yes	Active	NA	4897240	463778	66062012_SWHA_Obs517.jpg		Adults flushed, 2 eggs in nest in juniper tree
6/6/2012	MOB	2 518	Common Raven	5	Yes	Active	5	4897914	463904	66062012_CORA_Obs518.jpg		5 young in nest in juniper tree
6/6/2012	MOB	2 519	Unknown	0	Yes	Inactive	NA	4898213	463794	66062012_UNKN_Obs519.jpg		Nest in juniper tree
6/6/2012	MOB	2 520	Ferruginous Hawk	3	Yes	Active	2	4898213	463794	66062012_FEHA_Obs520.jpg		3 hatchlings in nest in juniper tree
6/6/2012	MOB	2 521	Red-tailed Hawk	2	No	NA	NA	4897129	465374	None		adult and 1 juvenile in flight
6/6/2012	MOB	2 522	Red-tailed Hawk	1	No	NA	NA	4898934	465912	None		1 juvenile flushed from sagebrush
6/6/2012	MOB	2 523	Unknown	0	Yes	Inactive	NA	4898987	465592	66062012_UNKN_Obs523.jpg		Nest in juniper tree
6/6/2012	MOB	2 524	Red-tailed Hawk	1	No	NA	NA	4899257	466201	None		Adult in flight
6/6/2012	MOB	2 525	Common Raven	4	Yes	Active	3	4898844	466545	66062012_CORA_Obs525.jpg		Nest in juniper tree
6/6/2012	MOB	2 526	Red-tailed Hawk	1	No	NA	NA	4895248	466716	None		1 adult in flight
6/6/2012	MOB	2 527	Golden Eagle	1	No	NA	NA	4898470	467027	None		1 adult in flight
6/6/2012	MOB	2 528	Red-tailed Hawk	1	No	NA	NA	4900136	466458	None		1 adult in flight
6/6/2012	MOB	2 529	Red-tailed Hawk	1	No	NA	NA	4896263	468029	None		1 juvenile in flight
6/6/2012	MOB	2 530	Prairie Falcon	1	No	NA	NA	4895739	467918	None		1 adult in flight
6/6/2012	MOB	2 531	Ferruginous Hawk	0	Yes	Inactive	NA	4896677	470015	66062012_FEHA_Obs531.jpg		Very large stick nest on hillside
6/6/2012	MOB	2 532	Red-tailed Hawk	1	No	NA	NA	4897494	469608	None		1 juvenile in flight
6/6/2012	MOB	2 533	Red-tailed Hawk	1	No	NA	NA	4903417	471265	None		1 adult flushed from ground
6/6/2012	MOB	2 534	Common Raven	3	Yes	Active	3	4899562	470600	66062012_CORA_Obs534.jpg		Nest with several young in deciduous tree
6/6/2012	MOB	2 535	Red-tailed Hawk	1	No	NA	NA	4899228	474642	None		1 adult in flight
6/6/2012	MOB	2 536	Red-tailed Hawk	2	No	NA	NA	4898579	474967	None		2 adults in flight
6/6/2012	MOB	2 537	Unknown	0	Yes	Inactive	NA	4900092	475234	66062012_UNKN_Obs537.jpg		Nest in deciduous tree
6/6/2012	MOB	2 538	Short-eared Owl	2	No	NA	NA	4902070	475077	None		Flushed from riparian area.
6/6/2012	MOB	2 539	American Kestrel	2	No	NA	NA	4901832	476722	None		2 adults flushed from riparian area
6/6/2012	MOB	2 540	Swainson's Hawk	1	No	NA	NA	4901093	477455	None		1 adult in flight
6/6/2012	MOB	2 541	Barn Owl	4	No	NA	NA	4901202	479079	None		Flushed from riparian area.
6/6/2012	MOB	2 542	American Kestrel	1	No	NA	NA	4901874	478377	None		Flushed from riparian area.
6/6/2012	MOB	2 543	Barn Owl	1	No	NA	NA	4902076	478205	None		Flushed from riparian area.
6/6/2012	MOB	2 544	Great Horned Owl	1	No	NA	NA	4902175	477705	None		Flushed from riparian area.
6/6/2012	MOB	2 545	Golden Eagle	1	No	NA	NA	4903011	478976	None		1 adult in flight
6/6/2012	MOB	2 546	Burrowing Owl	1	Yes	Active	0	4904349	479289	66062012_BUOW_Obs546.jpg		1 adult standing next to burrow, flushed
6/6/2012	MOB	2 547	Red-tailed Hawk	1	No	NA	NA	4903186	477819	None		1 juvenile in flight
6/6/2012	MOB	2 548	Red-tailed Hawk	1	No	NA	NA	4904411	478193	None		1 adult in flight
6/6/2012	MOB	2 549	Swainson's Hawk	1	Yes	Active	NA	4905986	479959	66062012_SWHA_Obs549.jpg		1 adult on nest in deciduous tree near Benson Creek
6/6/2012	MOB	2 550	Unknown	0	Yes	Inactive	NA	4906520	479132	66062012_UNKN_Obs550.jpg		Nest in deciduous tree near creek
6/6/2012	MOB	2 551	Barn Owl	1	No	NA	NA	4907028	478663	None		Flushed from riparian area.
6/6/2012	MOB	2 552	Barn Owl	1	No	NA	NA	4907148	478332	None		Flushed from riparian area.
6/6/2012	MOB	2 553	Red-tailed Hawk	1	No	NA	NA	4905657	477669	None		1 juvenile in flight
6/6/2012	MOB	2 554	Red-tailed Hawk	1	No	NA	NA	4904963	477755	None		1 adult in flight
6/7/2012	MOB	2 555	Swainson's Hawk	1	No	NA	NA	4911563	470212	66062012_SWHA_Obs555.jpg		1 adult on nest in deciduous tree in creek bottom, 1 adult in flight
6/7/2012	MOB	2 556	Swainson's Hawk	1	No	NA	NA	4906968	464628	None		Flushed from rock pile
6/7/2012	MOB	2 557	Golden Eagle	2	No	NA	NA	4905626	462487	None		2 adults in flight
6/7/2012	MOB	2 558	Red-tailed Hawk	4	Yes	Active	2	4910468	471306	66072012_RTHA_Obs558.jpg		Nest in juniper tree
6/7/2012	MOB	2 559	Unknown	0	Yes	Inactive	NA	4906489	474372	66072012_UNKN_Obs559.jpg		Stick nest in deciduous tree in creek bottom
6/7/2012	MOB	2 560	Red-tailed Hawk	1	No	NA	NA	4906648	473290	None		Perched near an inactive nest
6/7/2012	MOB	2 561	Unknown	0	Yes	Inactive	NA	4906648	473290	66072012_UNKN_Obs561.jpg		Sick nest in deciduous tree in creek bottom
6/7/2012	MOB	2 562	Swainson's Hawk	1	Yes	Active	NA	4907224	474041	66072012_SWHA_Obs562.jpg		Stick nest in deciduous tree in creek bottom, water tanks nearby
6/7/2012	MOB	2 563	Swainson's Hawk	2	Yes	Inactive	NA	4906493	473292	66072012_UNKN_Obs563.jpg		Stick nest in deciduous tree in creek bottom
6/7/2012	MOB	2 564	Swainson's Hawk	2	Yes	Active	NA	4907437	475903	66072012_SWHA_Obs564.jpg		Stick nest in low deciduous tree
6/7/2012	MOB	2 565	Red-tailed Hawk	1	No	NA	NA	4906897	474546	None		Perched on rock pile on the ground
6/7/2012	MOB	2 566	Swainson's Hawk	2	Yes	Active	NA	4904956	474614	66072012_SWHA_Obs566.jpg		Sick nest in deciduous shrub/servicberry on moderate slope
6/7/2012	MOB	2 567	Prairie Falcon	1	No	NA	NA	4906302	478154	None		Perched on fence post
6/7/2012	MOB	2 568	Swainson's Hawk	1	No	NA	NA	4903788	478138	None		1 adult in flight
6/7/2012	MOB	2 569	Swainson's Hawk	1	Yes	Active	NA	4903775	474867	66072012_SWHA_Obs569.jpg		1 adult on stick nest in deciduous tree in creek bottom
6/7/2012	MOB	2 570	Red-tailed Hawk	1	No	NA	NA	4904678	477220	None		1 adult perched on wooden power pole
6/7/2012	MOB	2 571	Long-billed Curlew	2								

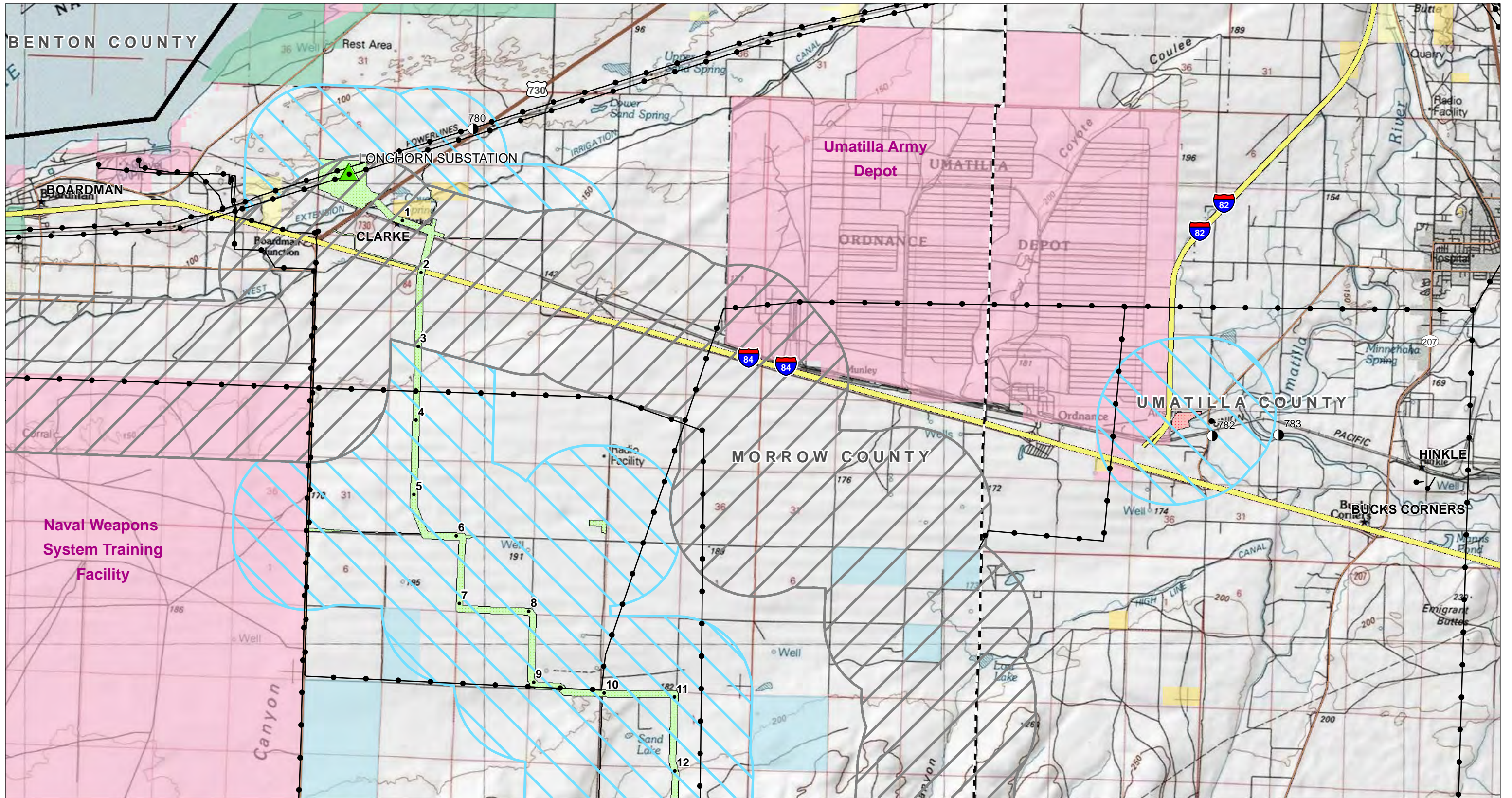
Date	Survey	Obs ID	Species	Total Birds	Nest Y	Nest Activity	Num of Young	NAD83 UTM N	NAD83 UTM E	Photo ID	Comments
6/8/2012	MOB	2 615	American Kestrel	1	No	NA	NA	4946069	449907	None	1 adult in flight
6/8/2012	MOB	2 616	Red-tailed Hawk	1	No	NA	NA	4946169	448506	None	1 juvenile in flight
6/8/2012	MOB	2 617	Red-tailed Hawk	1	No	NA	NA	4947349	444586	None	1 adult in flight
6/8/2012	MOB	2 618	Unknown	0	Yes	Inactive	NA	4949632	440771	None	Inactive nest from 2011 survey, on boundary.
6/8/2012	MOB	2 619	Red-tailed Hawk	1	No	NA	NA	4949736	440707	None	1 adult in flight
6/8/2012	MOB	2 620	Red-tailed Hawk	2	Yes	Active	2	4950153	439123	06082012_RTHA_Obs620.jpg	No adult seen, potentially a FEHA nest with young
6/8/2012	MOB	2 621	Common Raven	3	Yes	Active	3	4950399	439884	06082012_CORA_Obs621.jpg	Several young crows perched in lone juniper tree, nest in tree
6/8/2012	MOB	2 622	Red-tailed Hawk	2	No	NA	NA	4951315	438479	None	2 adults perched on power pole, nest in juniper at 99'
6/8/2012	MOB	2 623	Red-tailed Hawk	4	Yes	Active	4	4951111	438280	06082012_RTHA_Obs623.jpg	Nest in juniper tree
6/8/2012	MOB	2 624	Bald Eagle	1	No	NA	NA	4952227	437636	None	Perched on center pivot
6/8/2012	MOB	2 625	Red-tailed Hawk	1	No	NA	NA	4958742	437228	None	Flushed from cottonwood tree
6/8/2012	MOB	2 626	Red-tailed Hawk	1	No	NA	NA	4962381	436165	None	1 adult flushed from ag lands
6/8/2012	MOB	2 627	Red-tailed Hawk	1	No	NA	NA	4977807	437444	None	1 juvenile flushed from the ground
6/8/2012	MOB	2 628	Northern Harrier	1	No	NA	NA	4978426	434328	None	1 male in flight
6/8/2012	MOB	2 629	Red-tailed Hawk	1	No	NA	NA	4978328	432646	None	1 juvenile flushed from post
6/8/2012	MOB	2 630	Red-tailed Hawk	1	No	NA	NA	4978641	433255	None	1 adult flushed from ground
6/8/2012	MOB	2 631	Red-tailed Hawk	1	No	NA	NA	4985220	428210	None	1 adult flushed from power pole
6/8/2012	MOB	2 632	Northern Harrier	2	No	NA	NA	4986360	425472	None	1 adult male and female in flight
6/8/2012	MOB	2 633	Northern Harrier	1	No	NA	NA	4985027	425671	None	1 adult male in flight
6/8/2012	MOB	2 634	Golden Eagle	1	No	NA	NA	4986551	439236	None	1 adult in flight
6/8/2012	MOB	2 635	Common Raven	2	Yes	Active	2	4979377	438817	06082012_CORA_Obs635.jpg	2 young birds near nest on rock face, west southwest aspect
6/8/2012	MOB	2 636	Red-tailed Hawk	1	No	NA	NA	5005660	419786	None	1 adult perched in ponderosa pine
6/8/2012	MOB	2 637	Unknown	0	Yes	Inactive	NA	5006096	420267	06082012_UNKN_Obs637.jpg	Small stick nest on rock outcrop, west aspect, likely raven
6/8/2012	MOB	2 638	Red-tailed Hawk	1	No	NA	NA	5005936	420393	None	1 adult flushed from rock face
6/8/2012	MOB	2 639	Red-tailed Hawk	3	No	NA	NA	5020834	402634	None	1 adult and 2 juveniles in flight
6/8/2012	MOB	2 640	Bald Eagle	1	No	NA	NA	5016824	410704	None	1 adult in flight over lake
6/8/2012	MOB	2 641	Osprey	1	No	NA	NA	5016824	410704	None	1 adult in flight over lake
6/8/2012	MOB	2 642	Osprey	2	Yes	Active	2	5015217	411060	06082012_OSPR_Obs642.jpg	2 young in nest in broken top ponderosa pine snag
6/8/2012	MOB	2 643	Red-tailed Hawk	1	No	NA	NA	5011615	413840	None	1 juvenile in flight
6/8/2012	MOB	2 644	Short-eared Owl	1	No	NA	NA	5041597	364022	None	1 adult flushed from ground in ag area
6/8/2012	MOB	2 645	Northern Harrier	1	No	NA	NA	5041551	364667	None	1 adult female in flight
6/8/2012	MOB	2 646	Long-billed Curlew	1	No	NA	NA	5041399	364006	None	1 adult in flight
6/8/2012	MOB	2 647	Red-tailed Hawk	1	No	NA	NA	5041205	364297	None	1 juvenile in flight
6/8/2012	MOB	2 648	Red-tailed Hawk	1	No	NA	NA	5042792	362035	None	1 adult in flight
6/8/2012	MOB	2 649	Red-tailed Hawk	2	No	NA	NA	5043849	360643	None	1 adult and 1 juvenile in flight
6/8/2012	MOB	2 650	Unknown	0	Yes	Inactive	NA	5043632	361597	None	Stick nest in deciduous tree next to a creek
6/8/2012	MOB	2 651	Northern Harrier	2	No	NA	NA	5040684	374507	None	1 adult male and female in flight
6/8/2012	MOB	2 652	Red-tailed Hawk	2	Yes	Active	2	5040443	373952	06102012_RTHA_Obs652.jpg	1 adult perched on top of p. pine, 2 fledglings at nest in p. pine
6/8/2012	MOB	2 653	Red-tailed Hawk	1	No	NA	NA	5039912	372851	None	1 adult in flight
6/8/2012	MOB	2 654	Red-tailed Hawk	1	No	NA	NA	5040161	370923	None	1 adult flushed from ground
6/8/2012	MOB	2 655	Barn Owl	2	No	NA	NA	5040159	370730	None	Flushed from rock face, southeast aspect
6/8/2012	MOB	2 656	Red-tailed Hawk	1	No	NA	NA	5036122	374203	None	Flushed from p. pine
6/8/2012	MOB	2 657	Golden Eagle	1	No	NA	NA	5035059	373078	None	1 adult in flight
6/8/2012	MOB	2 658	Northern Harrier	1	No	NA	NA	5036510	372965	None	1 adult female in flight
6/8/2012	MOB	2 659	Red-tailed Hawk	1	No	NA	NA	5035984	371785	None	1 juvenile in flight
6/8/2012	MOB	2 660	Red-tailed Hawk	1	No	NA	NA	5036961	371509	None	1 juvenile
6/8/2012	MOB	2 661	Red-tailed Hawk	2	No	NA	NA	5034523	370617	None	2 adults perched on p. pine trees
6/8/2012	MOB	2 662	Short-eared Owl	2	No	NA	NA	5034532	370483	None	2 owls in flight
6/8/2012	MOB	2 663	Red-tailed Hawk	2	No	NA	NA	5035844	369514	None	2 adults in flight
6/8/2012	MOB	2 664	Red-tailed Hawk	4	Yes	Active	2	5036456	365872	06102012_RTHA_Obs664.jpg	Nest in cottonwood in creek bottom
6/8/2012	MOB	2 665	Red-tailed Hawk	3	Yes	Active	3	5037112	364612	06102012_RTHA_Obs665.jpg	Nest in cottonwood in creek bottom
6/8/2012	MOB	2 666	Unknown	0	Yes	Inactive	NA	5037112	364662	06102012_UNKN_Obs666.jpg	Nest in cottonwood in creek bottom, 100 m west of 209
6/8/2012	MOB	2 667	Red-tailed Hawk	1	No	NA	NA	5036147	363708	None	Flushed from rock face
6/8/2012	MOB	2 668	American Kestrel	1	No	NA	NA	5037410	362429	None	1 adult male in flight
6/8/2012	MOB	2 669	Red-tailed Hawk	1	Yes	Active	2	5041676	3610012	06102012_RTHA_Obs669.jpg	2 fledglings flushed from ground, 1 in nest in deciduous tree just east of windmill
6/8/2012	MOB	2 670	Swainson's Hawk	1	No	NA	NA	5042465	343910	None	1 adult in flight
6/8/2012	MOB	2 671	Northern Harrier	1	No	NA	NA	5042872	342654	None	1 adult in flight
6/8/2012	MOB	2 672	Northern Harrier	1	Yes	Inactive	NA	5041717	340686	None	1 adult female in flight
6/8/2012	MOB	2 673	Unknown	0	Yes	Inactive	NA	5041635	340363	06102012_UNKN_Obs673.jpg	Nest in large deciduous tree west of road
6/8/2012	MOB	2 674	Swainson's Hawk	1	Yes	Active	NA	5041589	340341	06102012_SWHA_Obs674.jpg	1 chick in nest, near stock pond
6/8/2012	MOB	2 675	Red-tailed Hawk	3	Yes	Active	3	5046394	344090	06102012_RTHA_Obs675.jpg	No adult seen, potentially a FEHA nest with young
6/8/2012	MOB	2 676	Red-tailed Hawk	2	Yes	Active	1	5046697	340892	06102012_RTHA_Obs676.jpg	1 adult and 1 chick on nest in cottonwood tree
6/8/2012	MOB	2 677	Northern Harrier	1	No	NA	NA	5046415	340178	None	1 adult male in flight
6/8/2012	MOB	2 678	Red-tailed Hawk	2	Yes	Active	2	5046195	338812	06102012_RTHA_Obs678.jpg	Nest in cottonwood tree
6/8/2012	MOB	2 679	Northern Harrier	1	No	NA	NA	5047004	334730	None	1 adult in flight
6/8/2012	MOB	2 680	Northern Harrier	1	No	NA	NA	5042777	334442	None	1 adult female in flight
6/8/2012	MOB	2 681	Red-tailed Hawk	1	No	NA	NA	5042580	333739	None	Perched
6/8/2012	MOB	2 682	Unknown	0	Yes	Inactive	NA	5046245	327436	06102012_UNKN_Obs682.jpg	Stick nest on rock face, south aspect
6/8/2012	MOB	2 683	Golden Eagle	1	No	NA	NA	5044740	326285	None	1 adult flushed from rock face
6/8/2012	MOB	2 684	Ferruginous Hawk	0	Yes	Inactive	NA	5044740	326285	06102012_FEHA_Obs684.jpg	Large stick nest on rock face, south aspect
6/8/2012	MOB	2 685	Red-tailed Hawk	1	No	NA	NA	5042665	328187	None	Flushed from rock face
6/8/2012	MOB	2 686	Unknown	0	Yes	Inactive	NA	5042665	328187	06102012_UNKN_Obs686.jpg	Nest on rock face, south aspect
6/8/2012	MOB	2 687	FEHA	0	Yes	Inactive	NA	5042776	328596	06102012_UNKN_Obs687.jpg	Nest on rock outcrop, west aspect
6/8/2012	MOB	2 688	Red-tailed Hawk	1	No	NA	NA	5042786	328554	None	Perched
6/8/2012	MOB	2 689	Ferruginous Hawk	0	Yes	Inactive	NA	5042786	328554	06102012_FEHA_Obs689.jpg	Nest on rock outcrop, east southeast aspect
6/8/2012	MOB	2 690	Ferruginous Hawk	0	Yes	Inactive	NA	5043138	329184	06102012_FEHA_Obs690.jpg	Nest on rock face, south aspect
6/8/2012	MOB	2 691	Red-tailed Hawk	1	No	NA	NA	5042672	328660	None	Flushed from rocks
6/8/2012	MOB	2 692	Unknown	1	Yes	Active	NA	5042454	329694	06102012_UNKN_Obs692.jpg	2 eggs on nest, south aspect, RTHA in the area
6/8/2012	MOB	2 693	Barn Owl	1	No	NA	NA	5042454	329694	None	Flushed from rocks
6/8/2012	MOB	2 694	Unknown	0	Yes	Inactive	NA	5041937	329833	06102012_UNKN_Obs694.jpg	Nest on rock face, northwest aspect
6/8/2012	MOB	2 695	Red-tailed Hawk	1	No	NA	NA	5043491	328449	None	1 juvenile in flight
6/8/2012	MOB	2 696	Red-tailed Hawk	1	No	NA	NA	5044798	328023	None	1 juvenile in flight
6/8/2012	MOB	2 697	Ferruginous Hawk	0	Yes	Inactive	NA	5044633	328281	06102012_FEHA_Obs697.jpg	Nest on rocky outcrop, appears old and unused
6/8/2012	MOB	2 698	Short-eared Owl	1	No	NA	NA	5045247	327986	None	Flushed off ground
6/8/2012	MOB	2 699	Prarie Falcon	5	Yes	Active	5	5045052	327993	06102012_PRFA_Obs699.jpg	1 nest lying in area, 4 chicks in nest on rock face, south aspect
6/8/2012	MOB	2 700	Short-eared Owl	1	No	NA	NA	5045332	327361	None	in flight
6/8/2012	MOB	2 701	American Kestrel	1	No	NA	NA	5045333	326680	None	1 adult male in flight
6/8/2012	MOB	2 702	Red-tailed Hawk	1	No	NA	NA	5043333	326345	None	1 juvenile perched on the ground
6/8/2012	MOB	2 703	Unknown	0	Yes	Inactive	NA	5042997	327326	06102012_UNKN_Obs703.jpg	Stick nest on rock talus, southeast aspect
6/8/2012	MOB	2 704	Red-tailed Hawk	1	No	NA	NA	5043458	327371	None	1 adult flushed from the ground
6/8/2012	MOB	2 705	Unknown	0	Yes	Inactive	NA	5046254	323996	06102012_FEHA_Obs705.jpg	Stick nest on rock talus, south aspect
6/8/2012	MOB	2 706	Ferruginous Hawk	0	Yes	Inactive	NA	5045619	324178	06102012_BAOW_Obs706.jpg	Stick nest on rock talus, south aspect
6/8/2012	MOB	2 707	Barn Owl	2	Yes	Active	NA	5045619	324178	06102012_BAOW_Obs707.jpg	Hole in rock wall, south side of creek, north aspect
6/8/2012	MOB	2 708	Red-tailed Hawk	2	Yes	Active	2	5045206	324290	06102012_CORA_Obs708.jpg	Nest on rock wall, 3 fledglings outside of nest, 1 adult in area
6/8/2012	MOB	2 709	Unknown	0	Yes	Inactive	NA	5045830	323567	06102012_UNKN_Obs709.jpg	Nest on rock face, north side of creek, south aspect
6/8/2012	MOB	2 710	Unknown	0	Yes	Inactive	NA	5045851	323354	06102012_UNKN_Obs710.jpg	Small nest on rock face, south side of creek, east aspect



Date	Survey	Obs ID	Species	Total Birds	Nest Y	Nest Activity	Num of Young	NAD83 UTM N	NAD83 UTM E	Photo ID	Comments
6/11/2012	MOB_2	751	Northern Harrier	1	No	NA	NA	5057683	307842	None	1 Adult male in flight
6/11/2012	MOB_2	752	Red-tailed Hawk	1	No	NA	NA	5060657	304643	None	1 juvenile in flight
6/11/2012	MOB_2	753	Swainson's Hawk	1	No	NA	NA	5059520	303878	None	1 juvenile in flight
6/11/2012	MOB_2	754	Red-tailed Hawk	1	No	NA	NA	5059455	303878	None	1 juvenile in flight
6/11/2012	MOB_2	755	Barn Owl	1	No	NA	NA	5059265	303912	None	1 adult flushed from rock face, west aspect
6/11/2012	MOB_2	756	Swainson's Hawk	1	No	NA	NA	5058310	303495	None	1 adult in flight
6/11/2012	MOB_2	757	Swainson's Hawk	3	No	NA	NA	5058670	303110	None	3 juveniles in flight
6/11/2012	MOB_2	758	Swainson's Hawk	1	Yes	Active	NA	5058502	303538	06112012_SWHA_Obs758.jpg	Nest on wooden power pole
6/11/2012	MOB_2	759	Swainson's Hawk	5	No	NA	NA	5059222	302914	None	Several hawks soaring over ag land
6/11/2012	MOB_2	760	Swainson's Hawk	2	No	NA	NA	5060147	302906	None	2 adults in flight
6/11/2012	MOB_2	761	Swainson's Hawk	1	No	NA	NA	5061034	302249	None	1 adult in flight
6/11/2012	MOB_2	762	Swainson's Hawk	1	No	NA	NA	5059481	302007	None	1 juvenile perched near feedlot
6/11/2012	MOB_2	763	Swainson's Hawk	1	No	NA	NA	5059078	302351	None	1 adult in flight
6/11/2012	MOB_2	764	Swainson's Hawk	1	No	NA	NA	5057821	301981	None	1 adult in flight
6/11/2012	MOB_2	765	Swainson's Hawk	2	No	NA	NA	5060772	300048	None	2 adults in flight
6/11/2012	MOB_2	766	Northern Harrier	1	No	NA	NA	5057193	298540	None	1 Adult male in flight
6/11/2012	MOB_2	767	Swainson's Hawk	1	No	NA	NA	5050961	301810	None	1 adult perched on fence post
6/11/2012	MOB_2	768	Unknown	0	Yes	Inactive	NA	5050724	301544	06112012_UNKN_Obs768.jpg	Nest on rock face, east aspect
6/11/2012	MOB_2	769	Barn Owl	2	No	NA	NA	5050724	301544	None	Flushed from rock face
6/11/2012	MOB_2	770	Red-tailed Hawk	1	No	NA	NA	5050327	301555	None	1 adult in flight
6/11/2012	MOB_2	771	Swainson's Hawk	4	Yes	Active	3	5053812	301902	06112012_SWHA_Obs771.jpg	Nest in deciduous tree near house
6/11/2012	MOB_2	772	Northern Harrier	1	No	NA	NA	5053300	293134	None	1 Adult male in flight
6/11/2012	MOB_2	773	Red-tailed Hawk	5	Yes	Active	5	5056279	291729	06112012_RTHA_Obs773.jpg	5 young in nest in deciduous tree east of irrigation ditch, no adult seen
6/11/2012	MOB_2	774	Swainson's Hawk	1	No	NA	NA	5056657	292243	None	Perched on pole
6/11/2012	MOB_2	775	Ferruginous Hawk	2	Yes	Active	2	5057086	290564	06112012_FEHA_Obs775.jpg	Nest on rock pillar
6/11/2012	MOB_2	776	Unknown	0	Yes	Inactive	NA	5055379	269814	06112012_UNKN_Obs776.jpg	Nest in juniper tree
6/11/2012	MOB_2	777	Red-tailed Hawk	1	No	NA	NA	5054971	269416	None	Perched on power pole
6/11/2012	MOB_2	778	Unknown	0	Yes	Inactive	NA	5061303	266818	06112012_UNKN_Obs778.jpg	Nest in juniper tree
6/11/2012	MOB_2	779	Unknown	0	Yes	Inactive	NA	5062102	266529	None	3 nest structures in juniper tree
6/11/2012	MOB_2	780	Unknown	0	Yes	Inactive	NA	5081372	296660	None	Nest on large metal power line structure
6/11/2012	MOB_2	781	Long-billed Curlew	2	No	NA	NA	5080599	295363	None	2 adults in flight
6/11/2012	MOB_2	782	Unknown	0	Yes	Inactive	NA	5074692	315747	None	Nest in deciduous tree on east side of irrigation ditch
6/11/2012	MOB_2	783	Unknown	0	Yes	Inactive	NA	5074721	317189	None	Large deciduous tree near trailer house

**APPENDIX B**  
**2012 RAPTOR NEST AERIAL SURVEY RESULTS**  
**MAPBOOK**



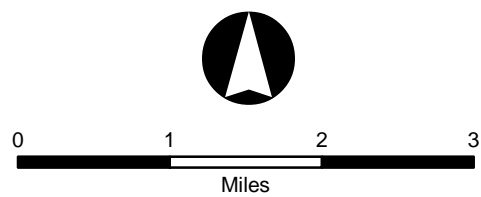


**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**

Map 2 of 25

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

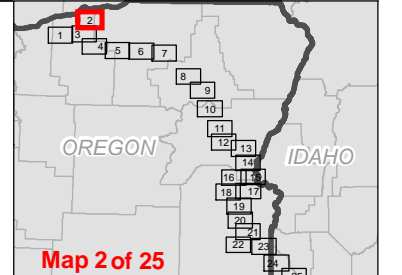
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- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

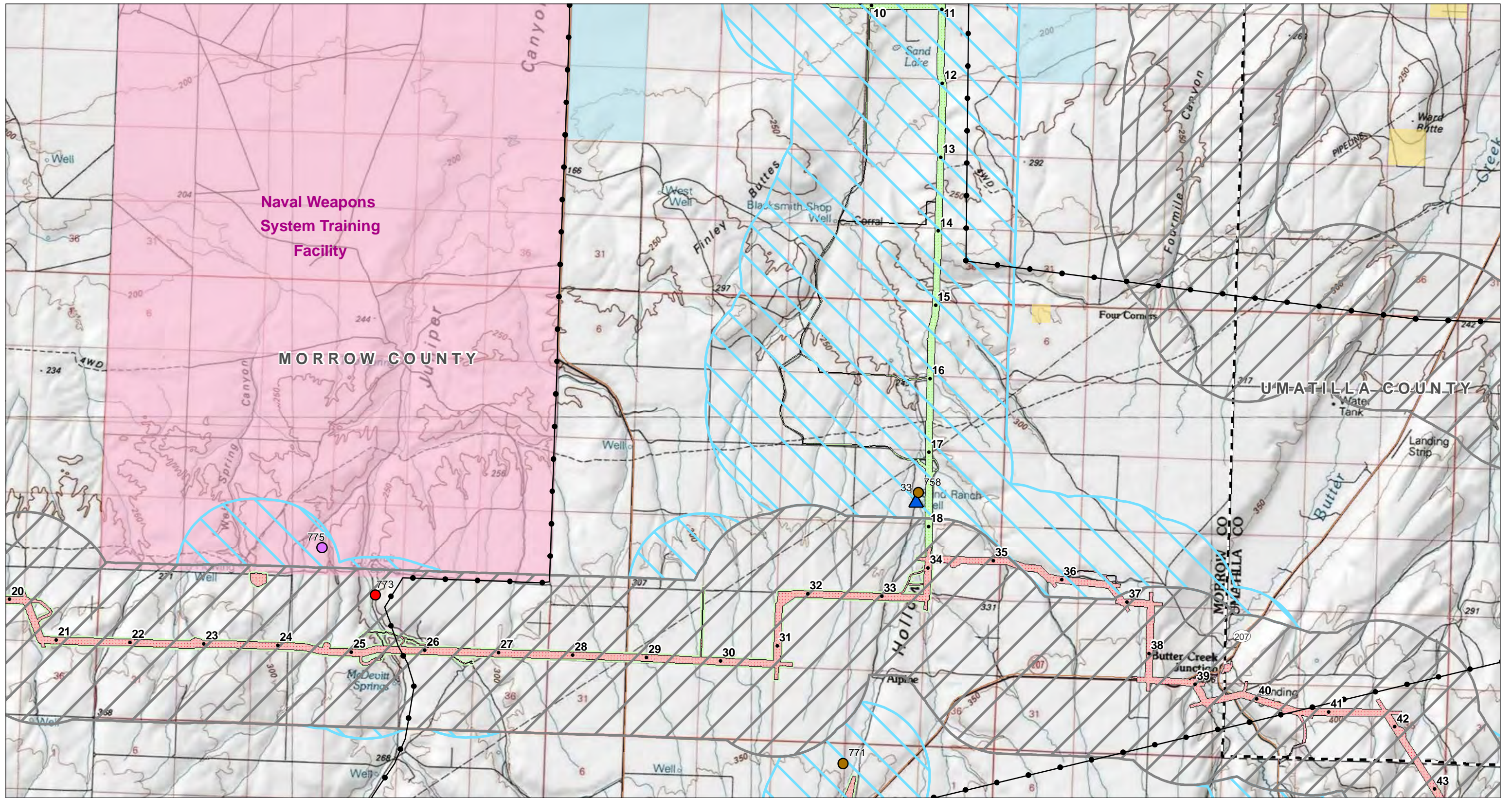
**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



Map 2 of 25

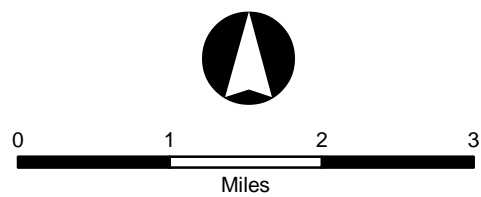




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 3 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
  - Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
  - 2011 Raptor Survey Area

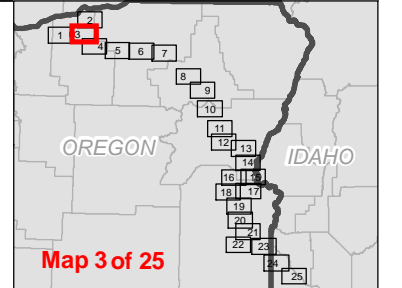
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- Proposed Substation
- Alternate Substation
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- City/Town

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- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

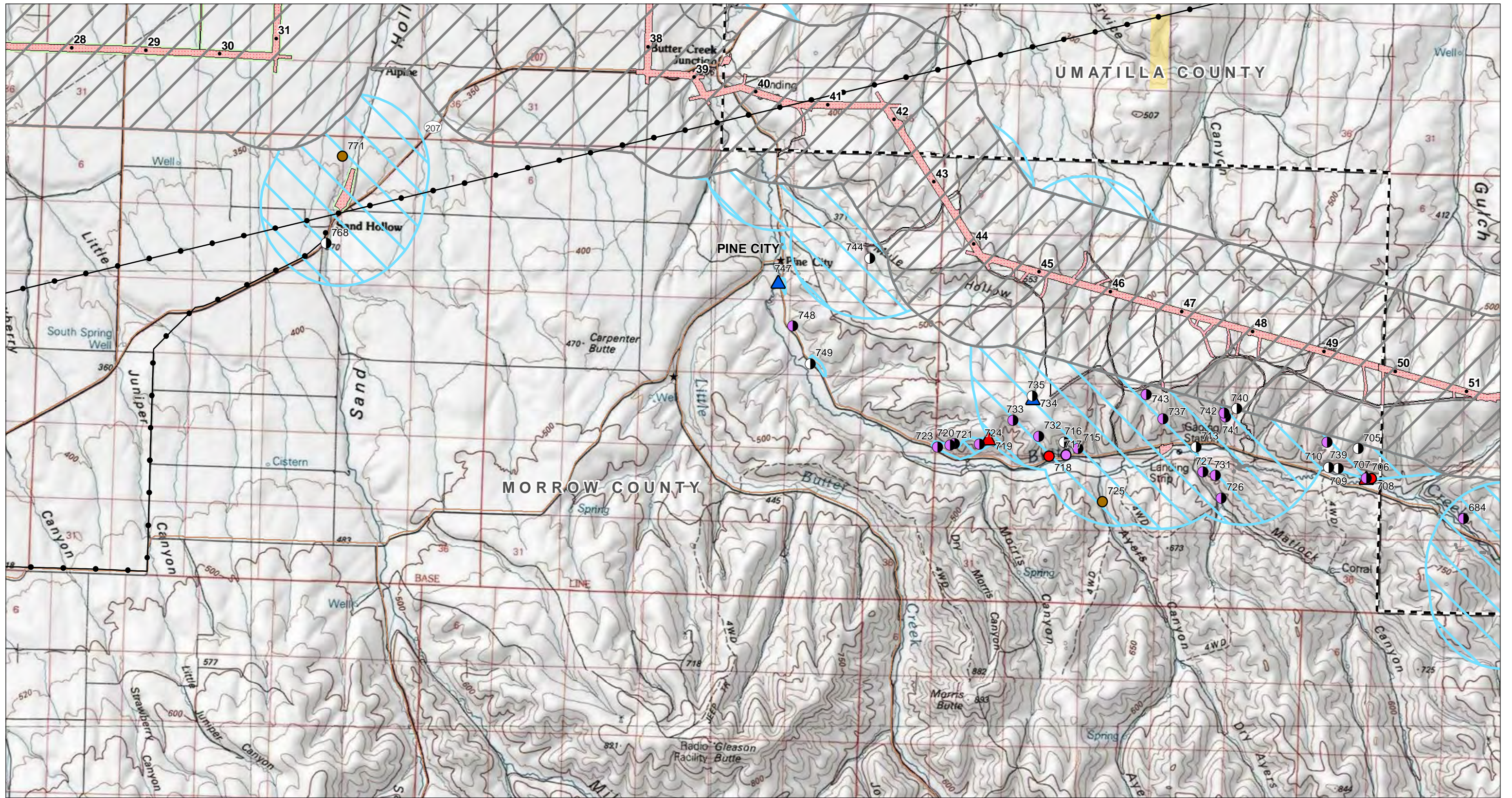
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown





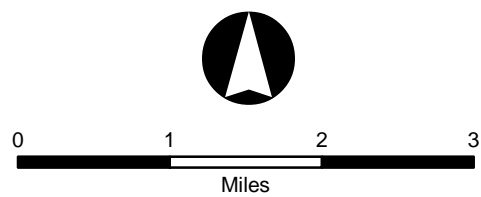


**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**

Map 4 of 25

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

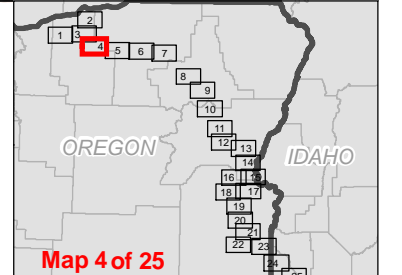
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- U.S. Forest Service

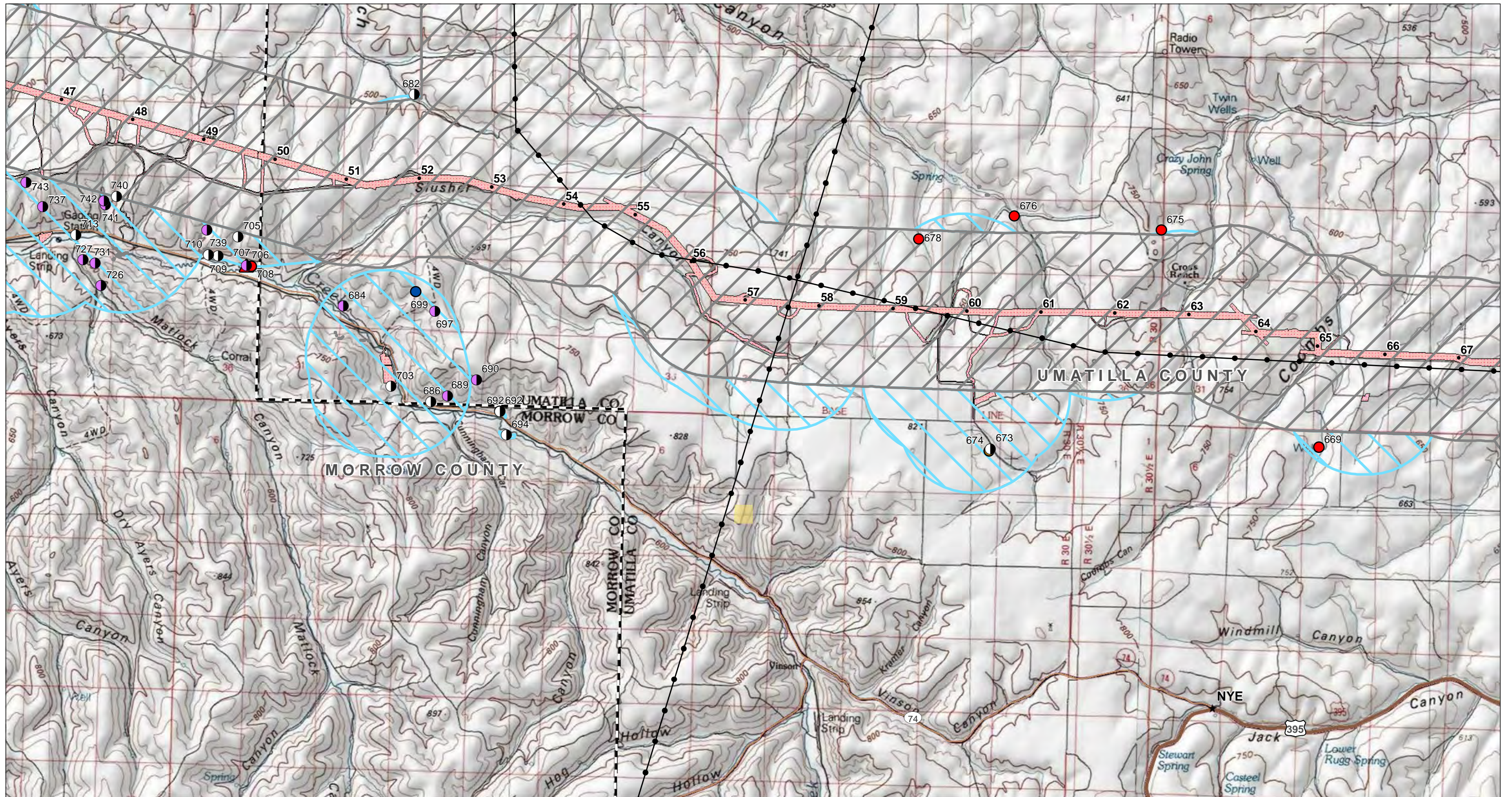
**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



Map 4 of 25

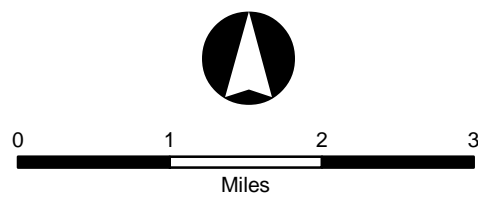




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 5 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary

**Idaho Study Corridor - 03/01/2012 Routes**

- Study Corridor

**Raptor Survey Areas**

- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

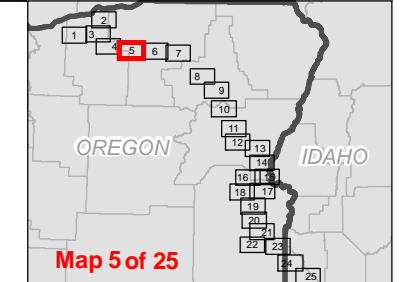
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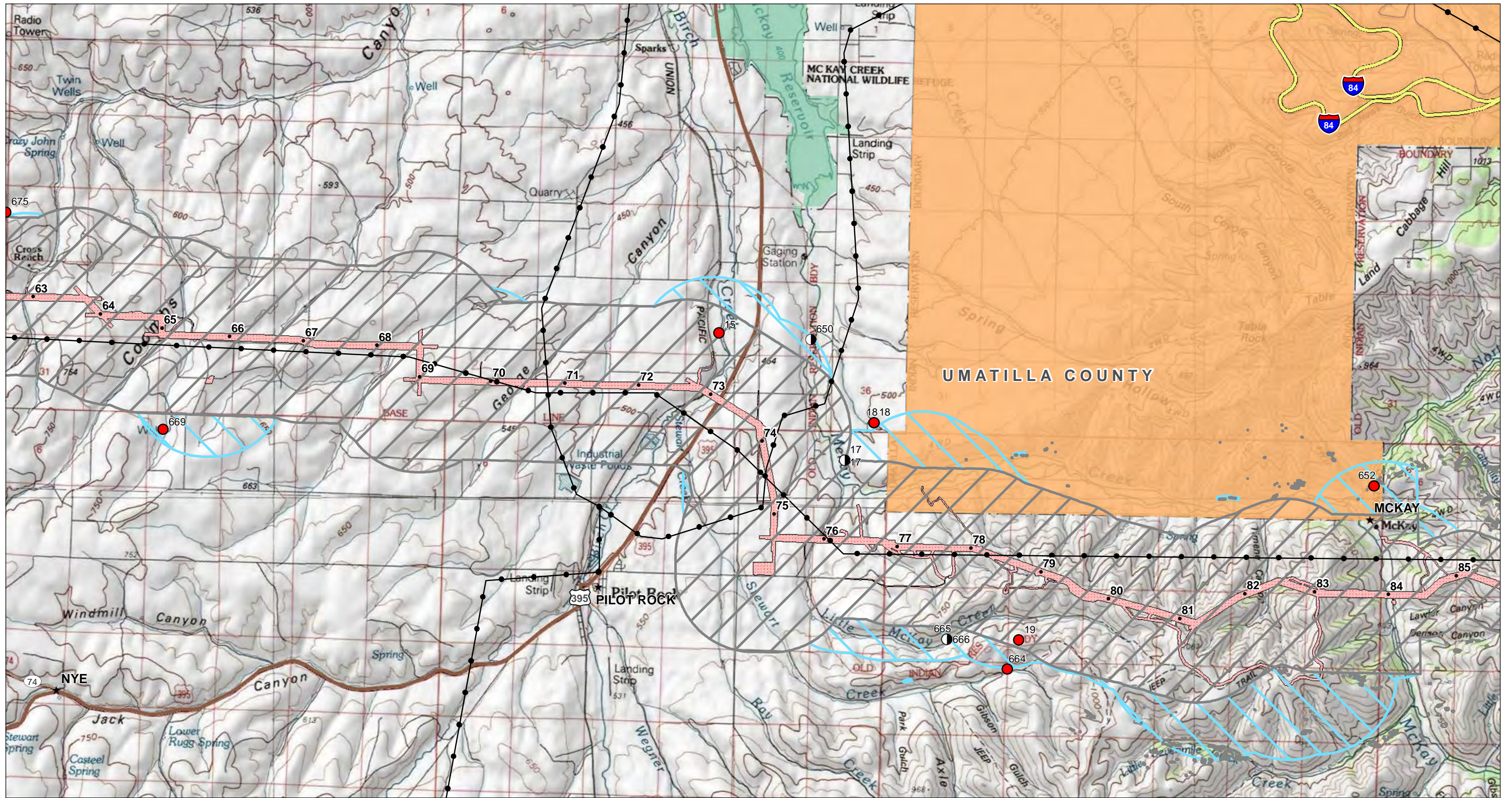
**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



Map 5 of 25

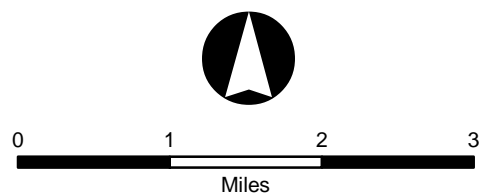




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 6 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
  - Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
  - 2011 Raptor Survey Area

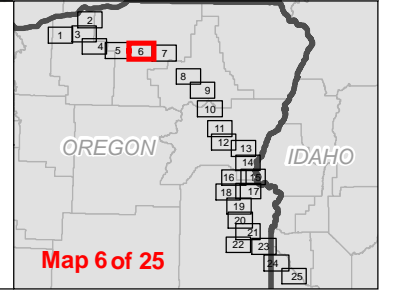
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

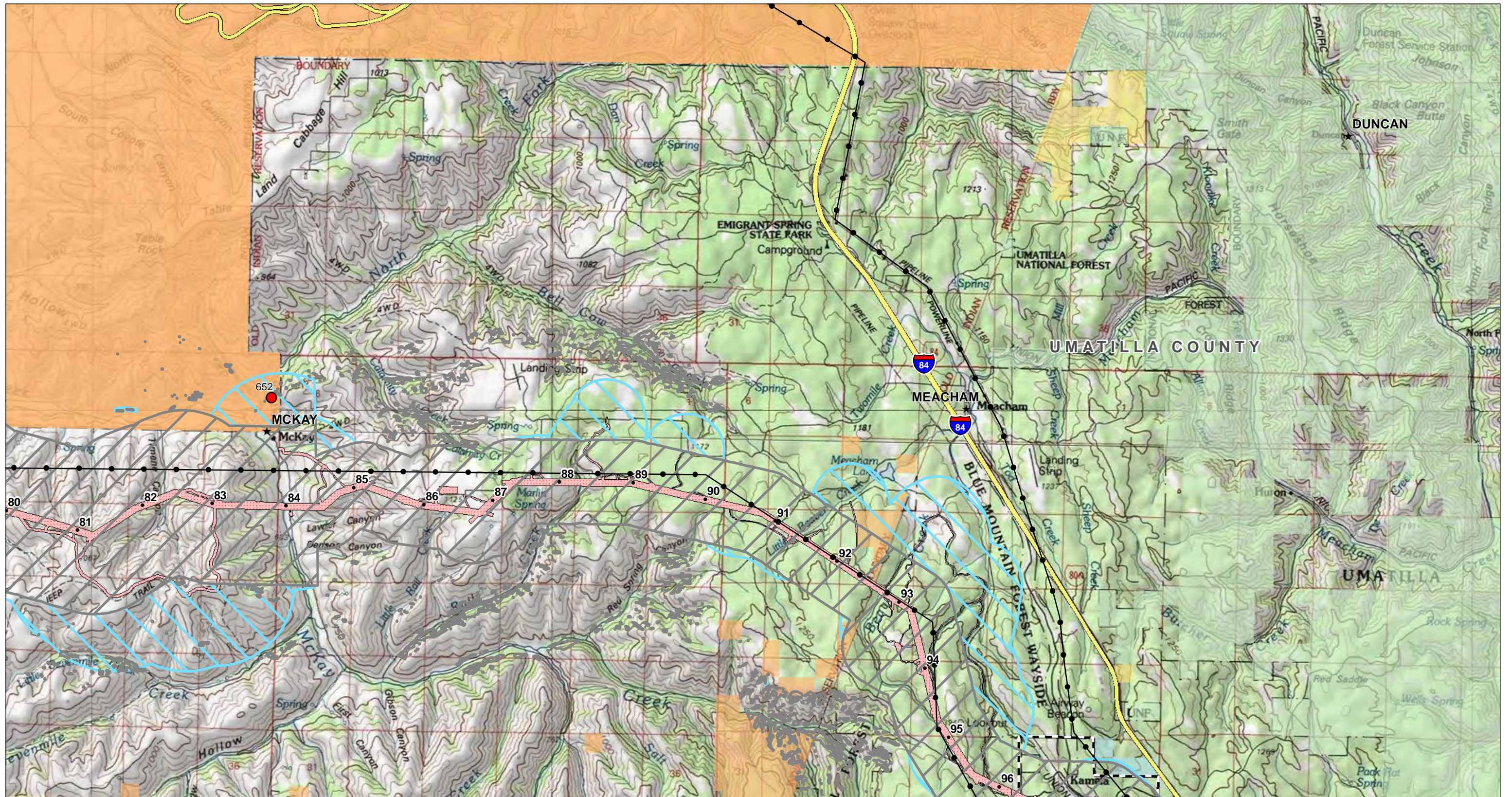
**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



Map 6 of 25

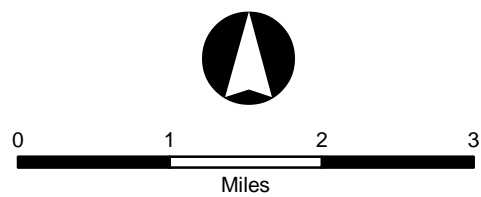




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 7 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

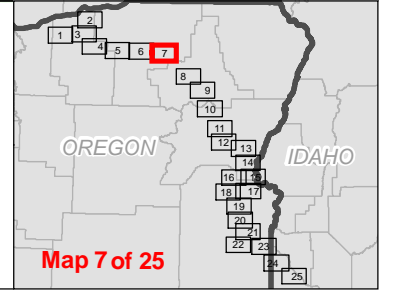
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

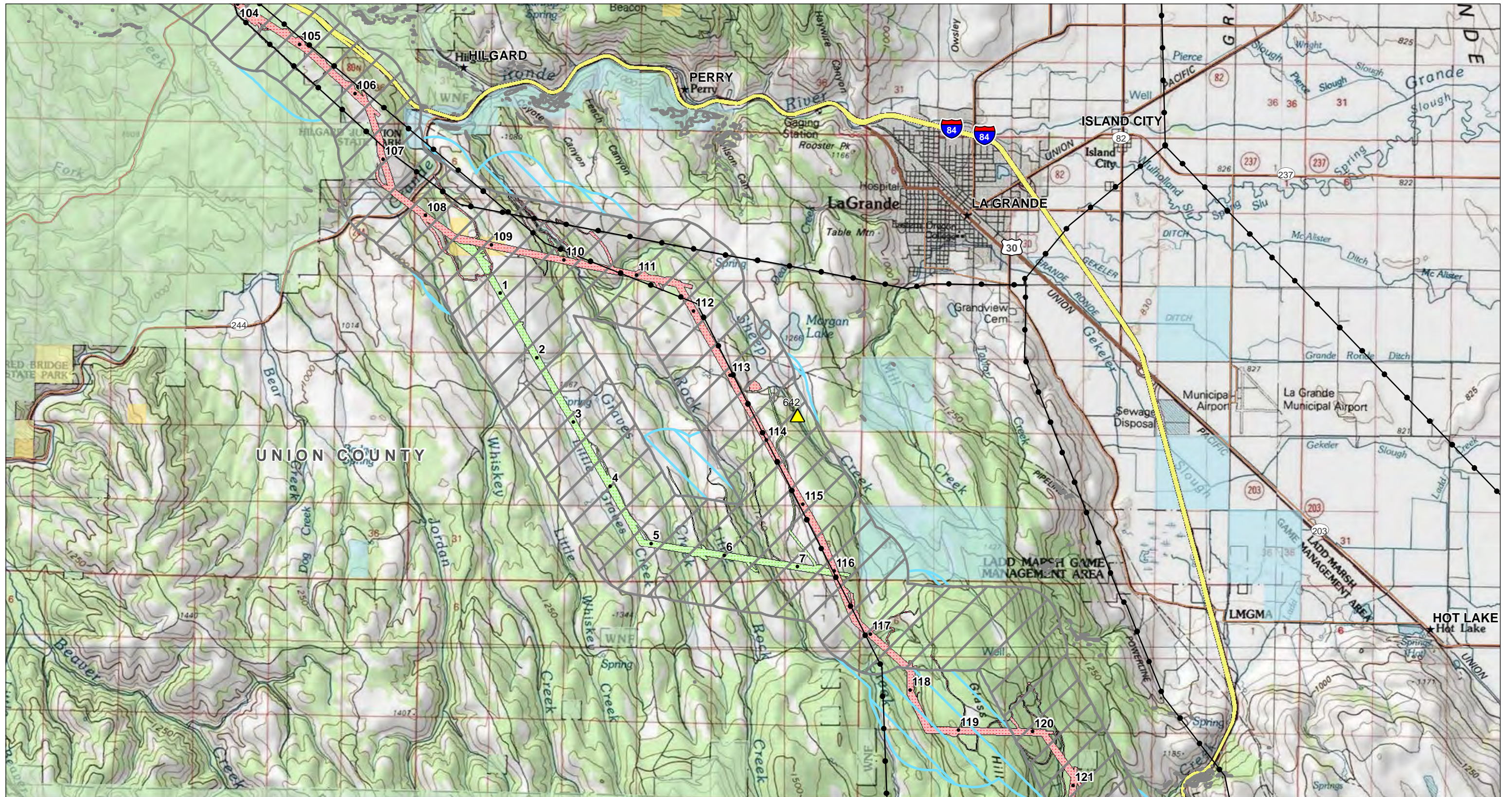
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



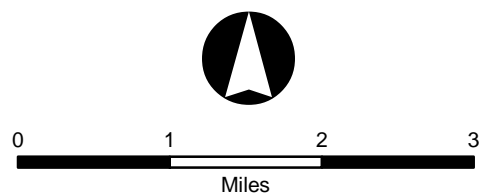




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 8 of 25**

BOARDMAN TO HEMINGWAY  
 500KV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

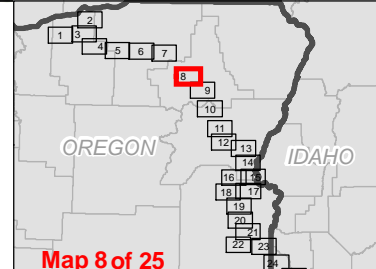
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

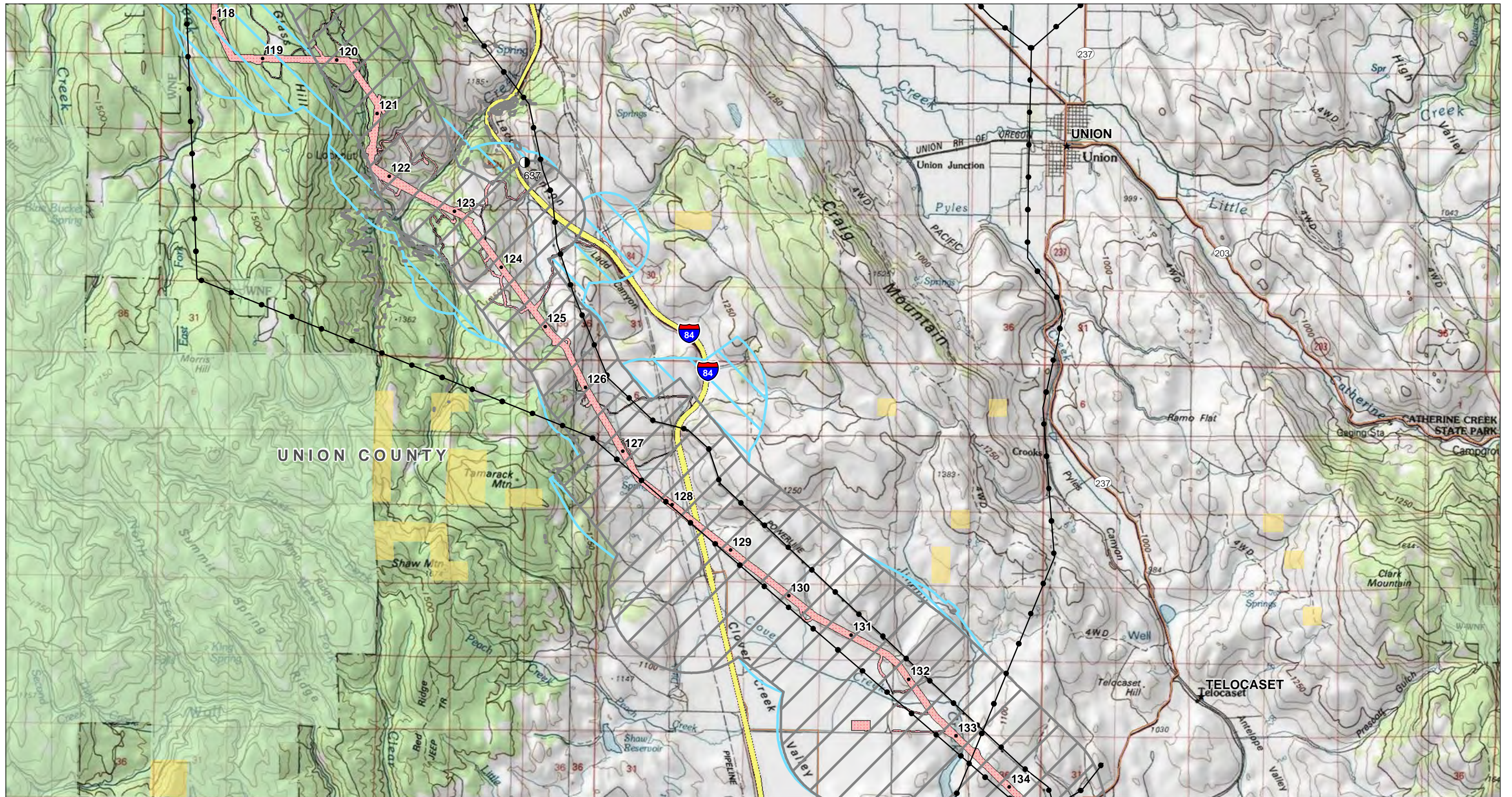
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown







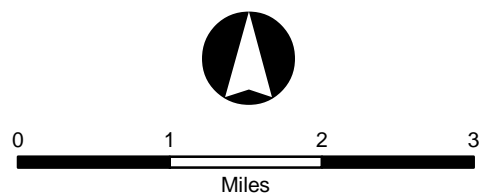
**2012 RAPTOR NEST AERIAL SURVEY**

**APPENDIX B**

Map 9 of 25

BOARDMAN TO HEMINGWAY  
500kV TRANSMISSION LINE PROJECT  
OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

Proposed Site Boundary

Alternate Site Boundary

**Idaho Study Corridor - 03/01/2012 Routes**

Study Corridor

**Raptor Survey Areas**

2012 Raptor Survey Area

2011 Raptor Survey Area

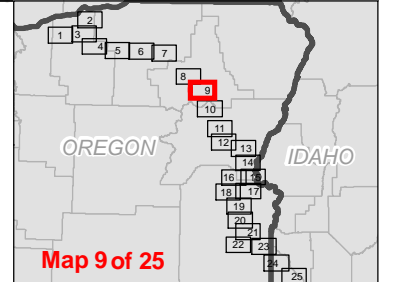
- Milepost
- ▲ Proposed Substation
- ▲ Alternate Substation
- Existing T-Line
- ★ City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

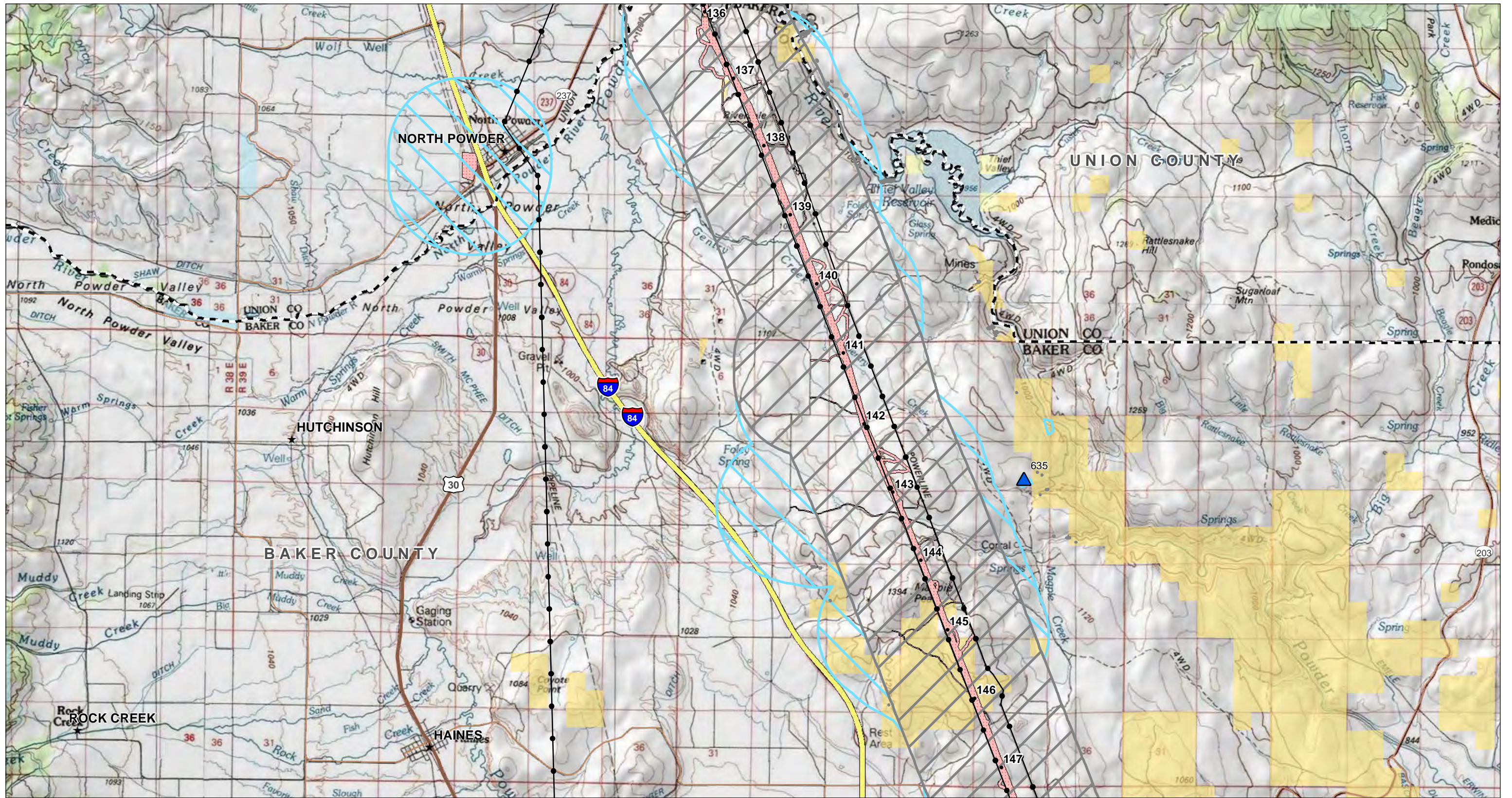
**Observed Raptor Nest Locations (Species)**

- ▲ Barn Owl
- Burrowing Owl
- ▲ Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- ▲ Great Horned Owl
- ▲ Long-eared Owl
- ▲ Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



Map 9 of 25

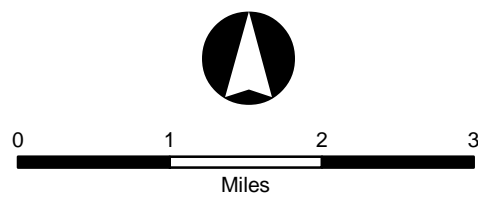




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 10 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

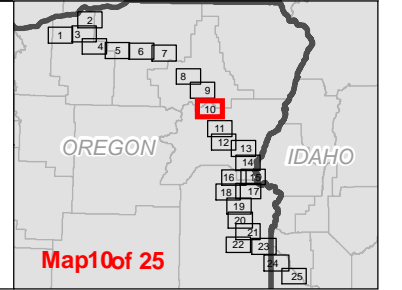
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

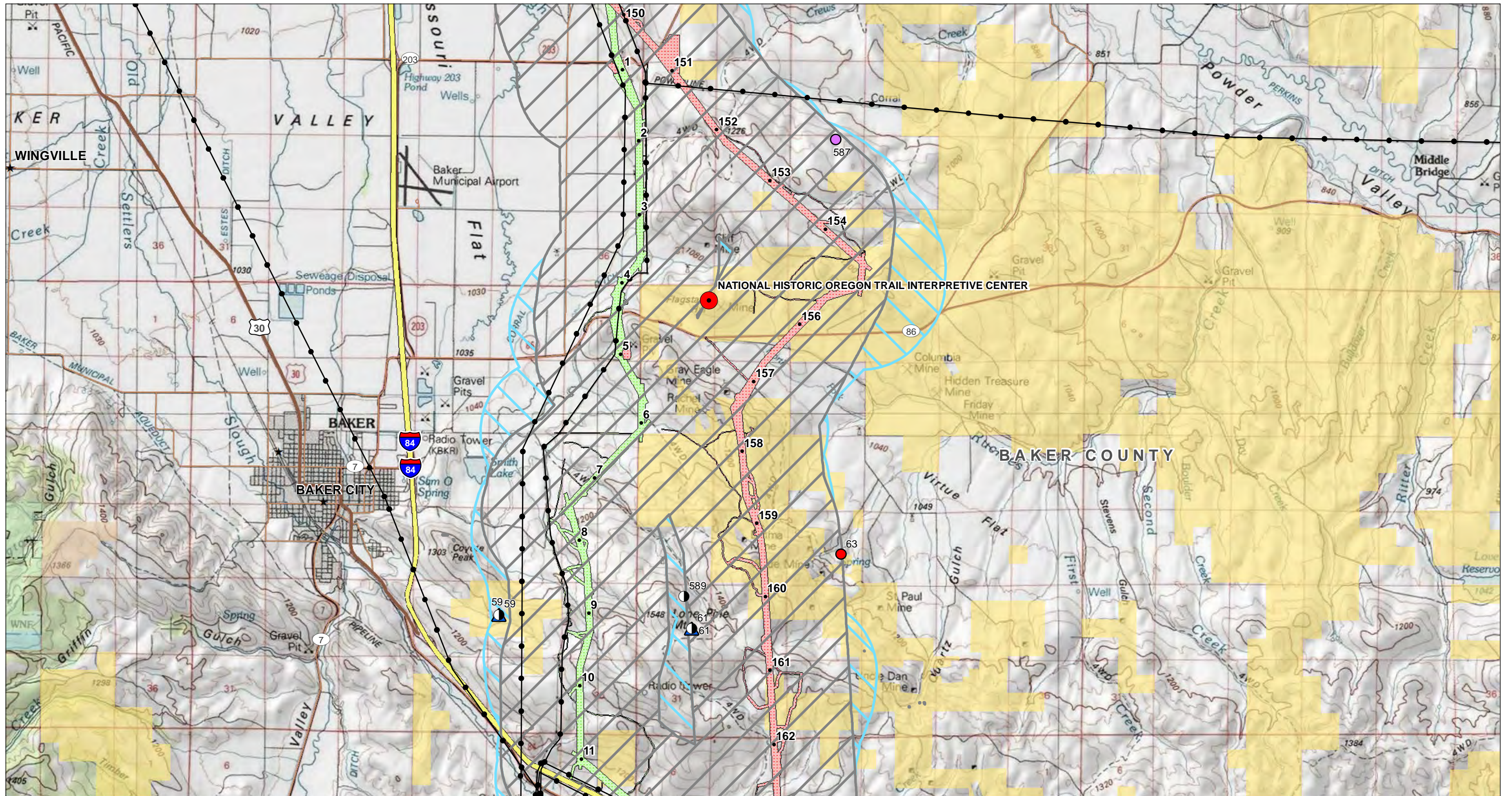
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



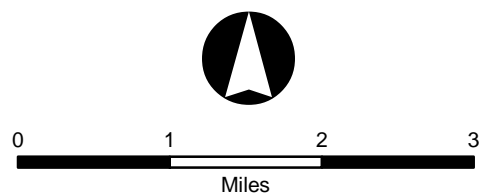




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map11of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

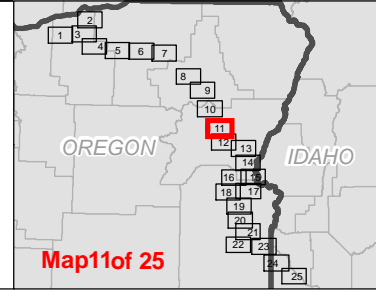
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

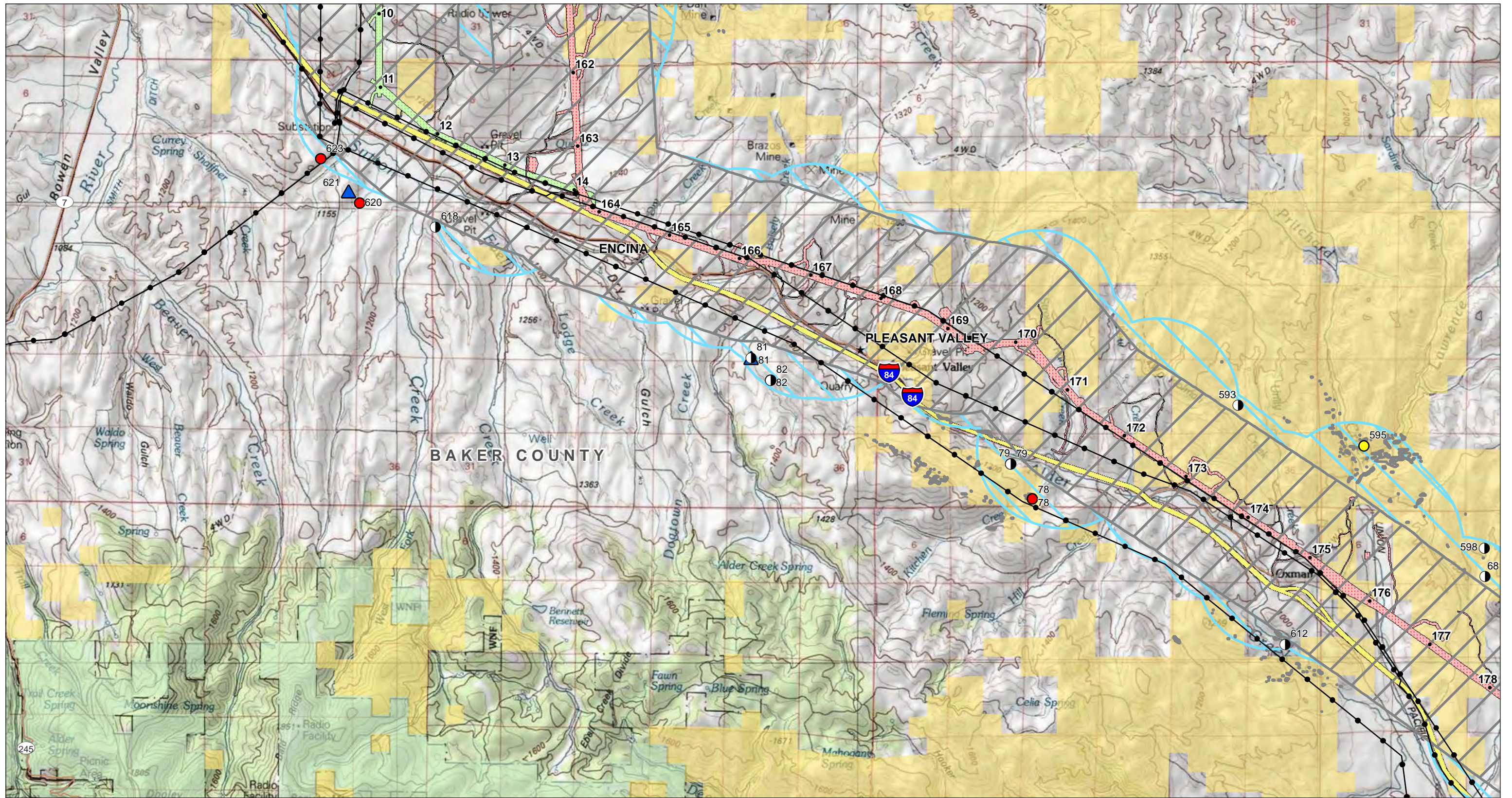
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown







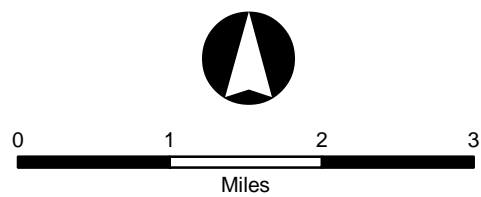
**2012 RAPTOR NEST AERIAL SURVEY**

**APPENDIX B**

**Map12of 25**

BOARDMAN TO HEMINGWAY  
500kV TRANSMISSION LINE PROJECT  
OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

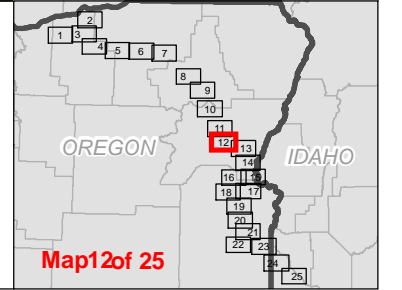
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

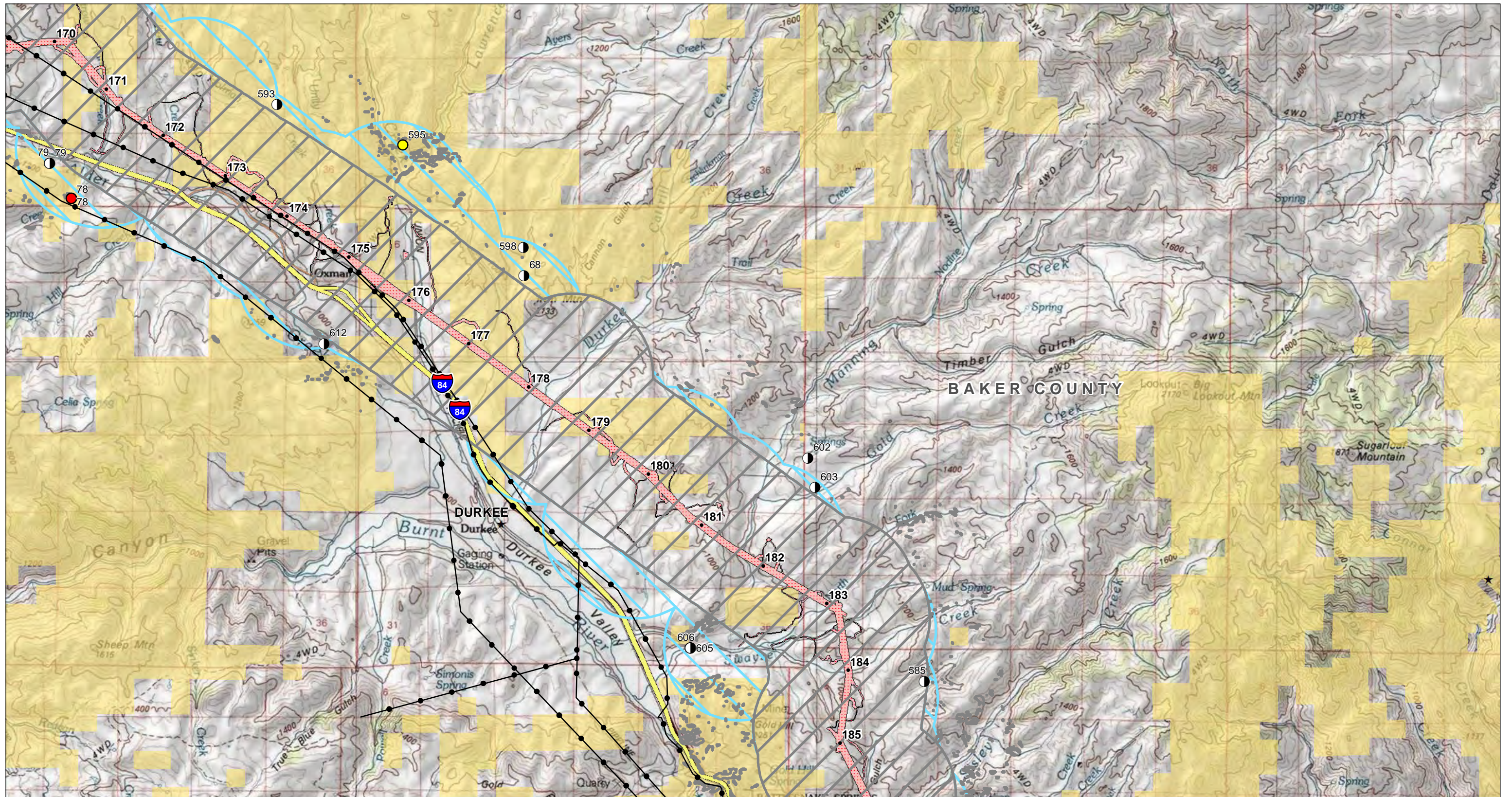
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown







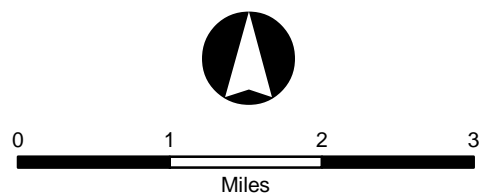
**2012 RAPTOR NEST AERIAL SURVEY**

**APPENDIX B**

**Map13of 25**

BOARDMAN TO HEMINGWAY  
500kV TRANSMISSION LINE PROJECT  
OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

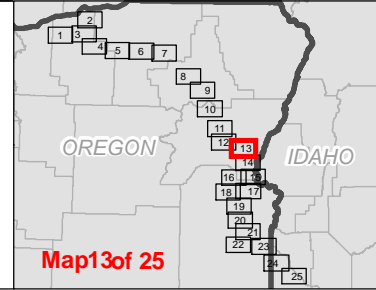
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

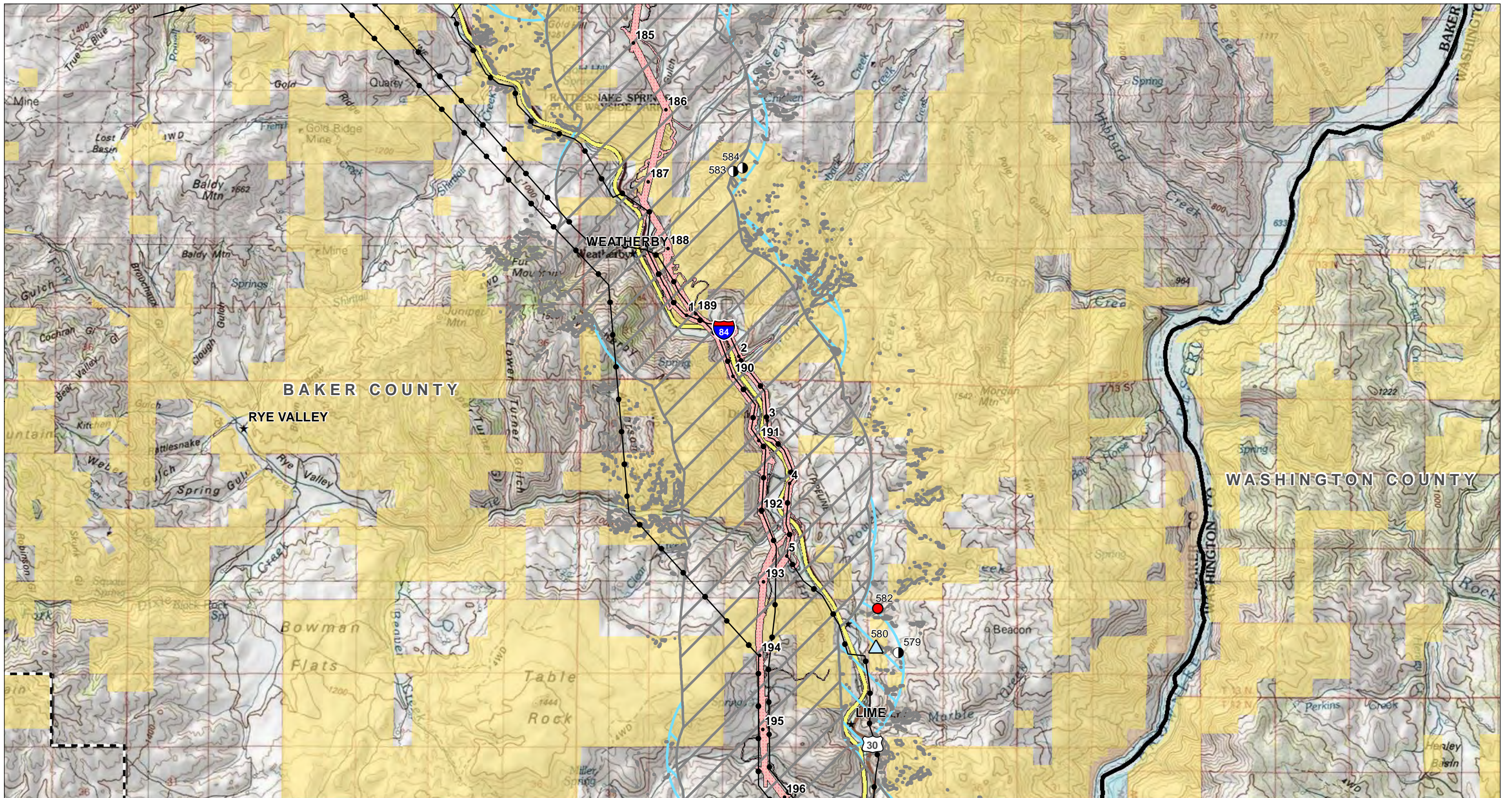
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown







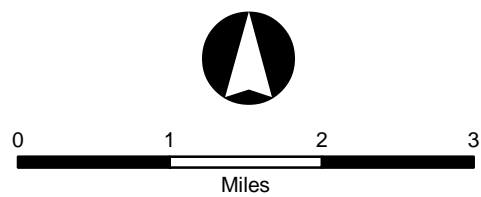
**2012 RAPTOR NEST AERIAL SURVEY**

**APPENDIX B**

Map14of 25

BOARDMAN TO HEMINGWAY  
500kV TRANSMISSION LINE PROJECT  
OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

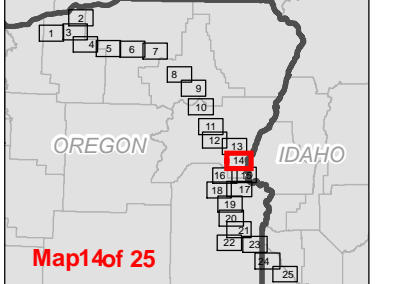
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

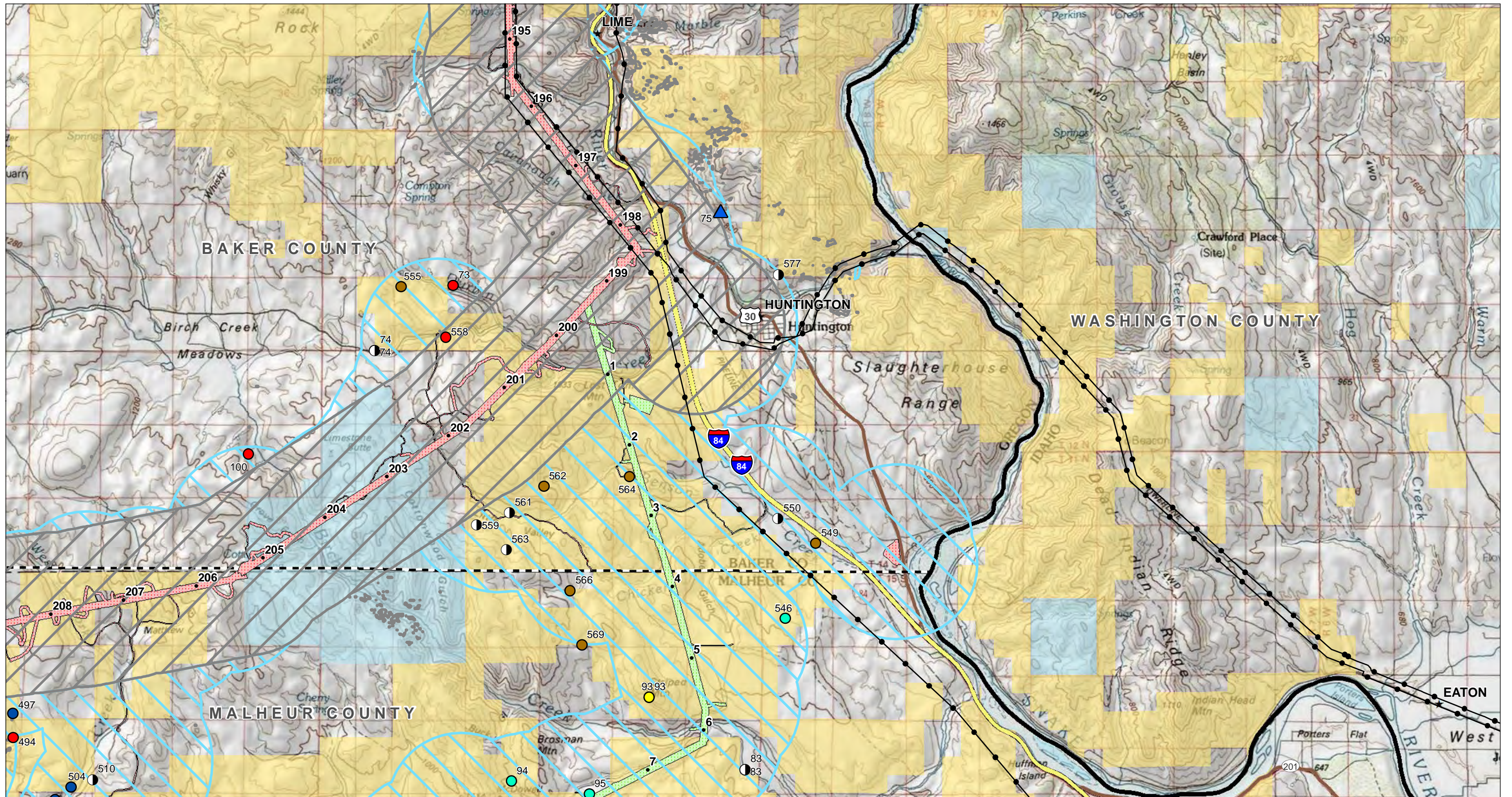
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown







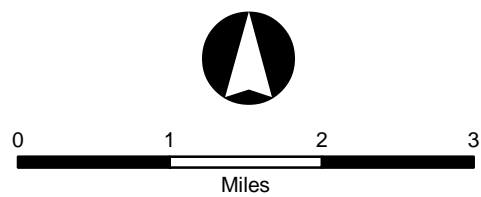
**2012 RAPTOR NEST AERIAL SURVEY**

**APPENDIX B**

**Map15of 25**

BOARDMAN TO HEMINGWAY  
500kV TRANSMISSION LINE PROJECT  
OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

Proposed Site Boundary

Alternate Site Boundary

**Idaho Study Corridor - 03/01/2012 Routes**

Study Corridor

**Raptor Survey Areas**

2012 Raptor Survey Area

2011 Raptor Survey Area

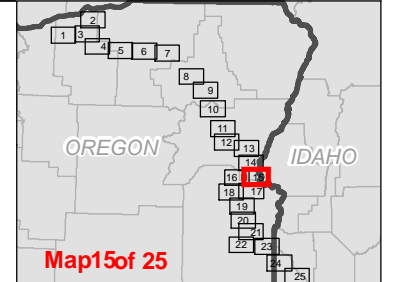
- Milepost
- ▲ Proposed Substation
- ▲ Alternate Substation
- Existing T-Line
- ★ City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

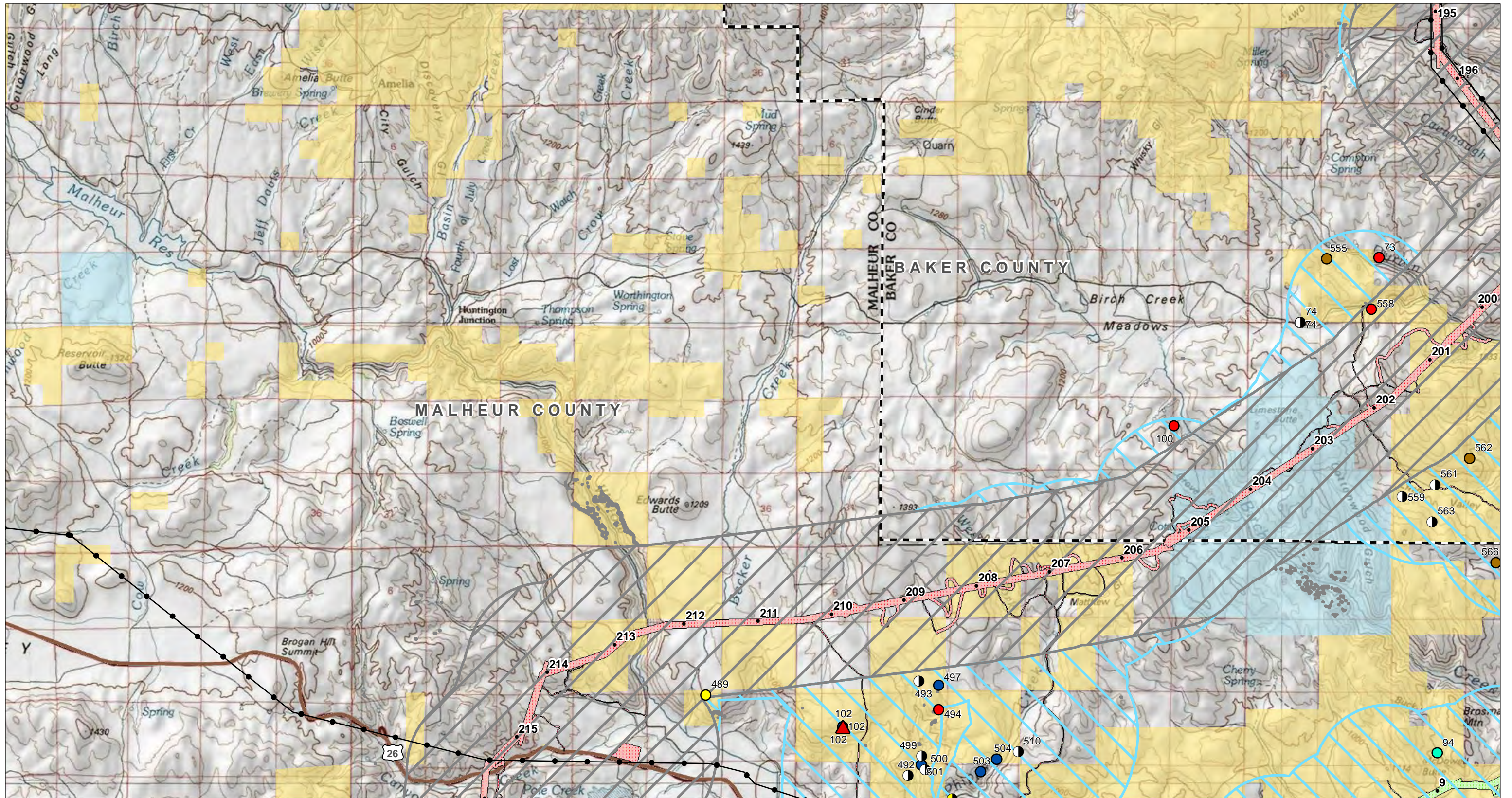
**Observed Raptor Nest Locations (Species)**

- ▲ Barn Owl
- Burrowing Owl
- ▲ Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- ▲ Great Horned Owl
- ▲ Long-eared Owl
- ▲ Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



Map15of 25

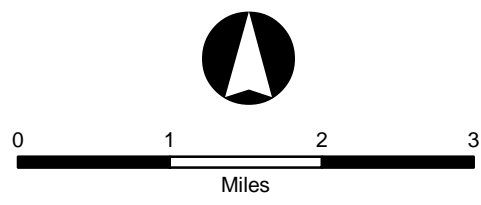




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map16of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

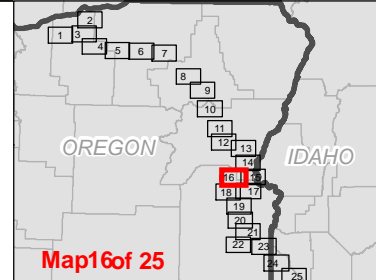
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

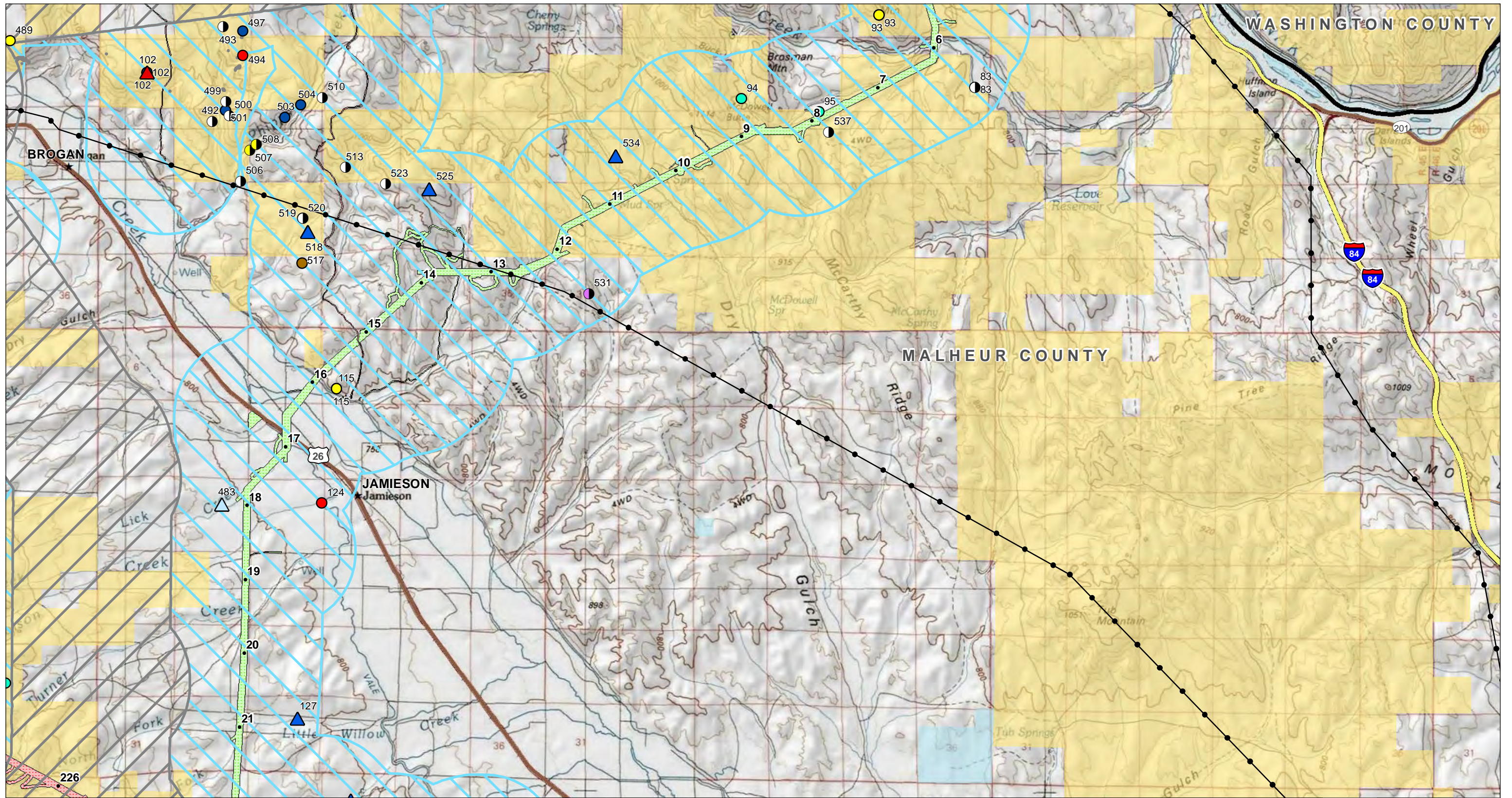
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown

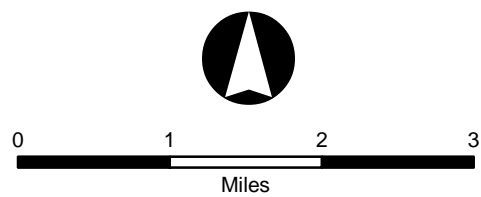






**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 17 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO  
 AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

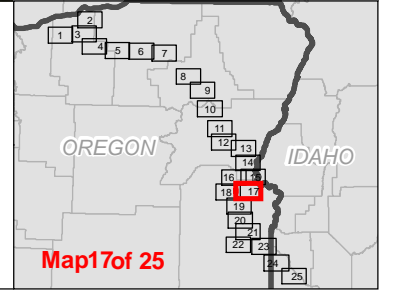
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

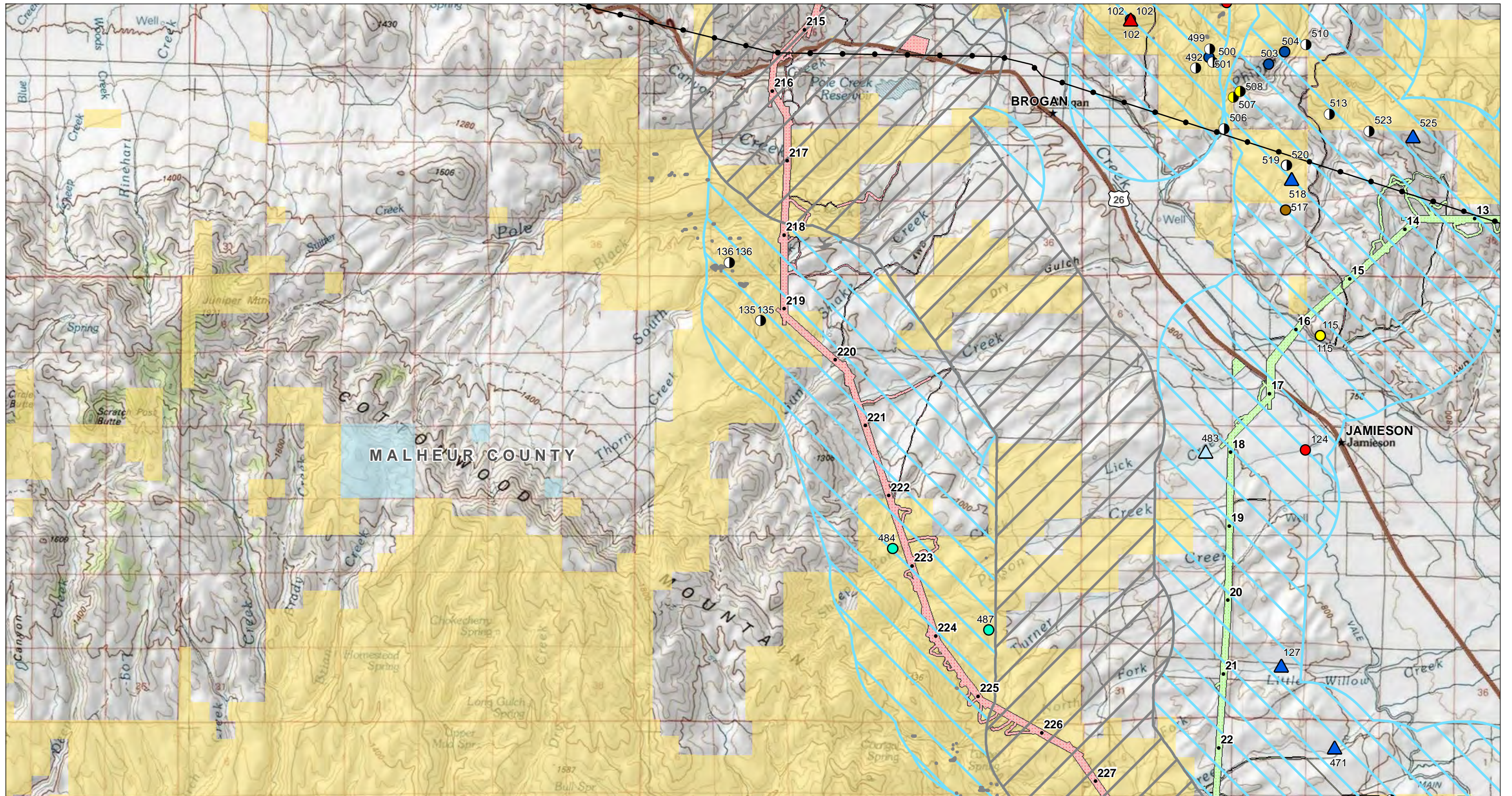
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown

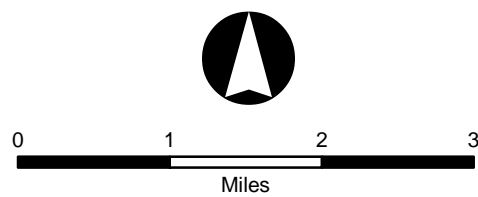






**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 18 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO  
 AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary

**Idaho Study Corridor - 03/01/2012 Routes**

- Study Corridor

**Raptor Survey Areas**

- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

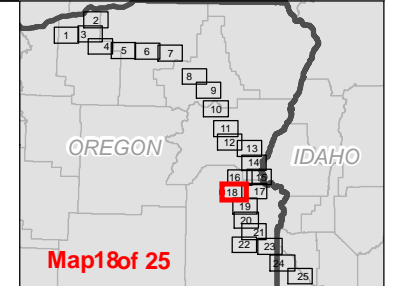
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

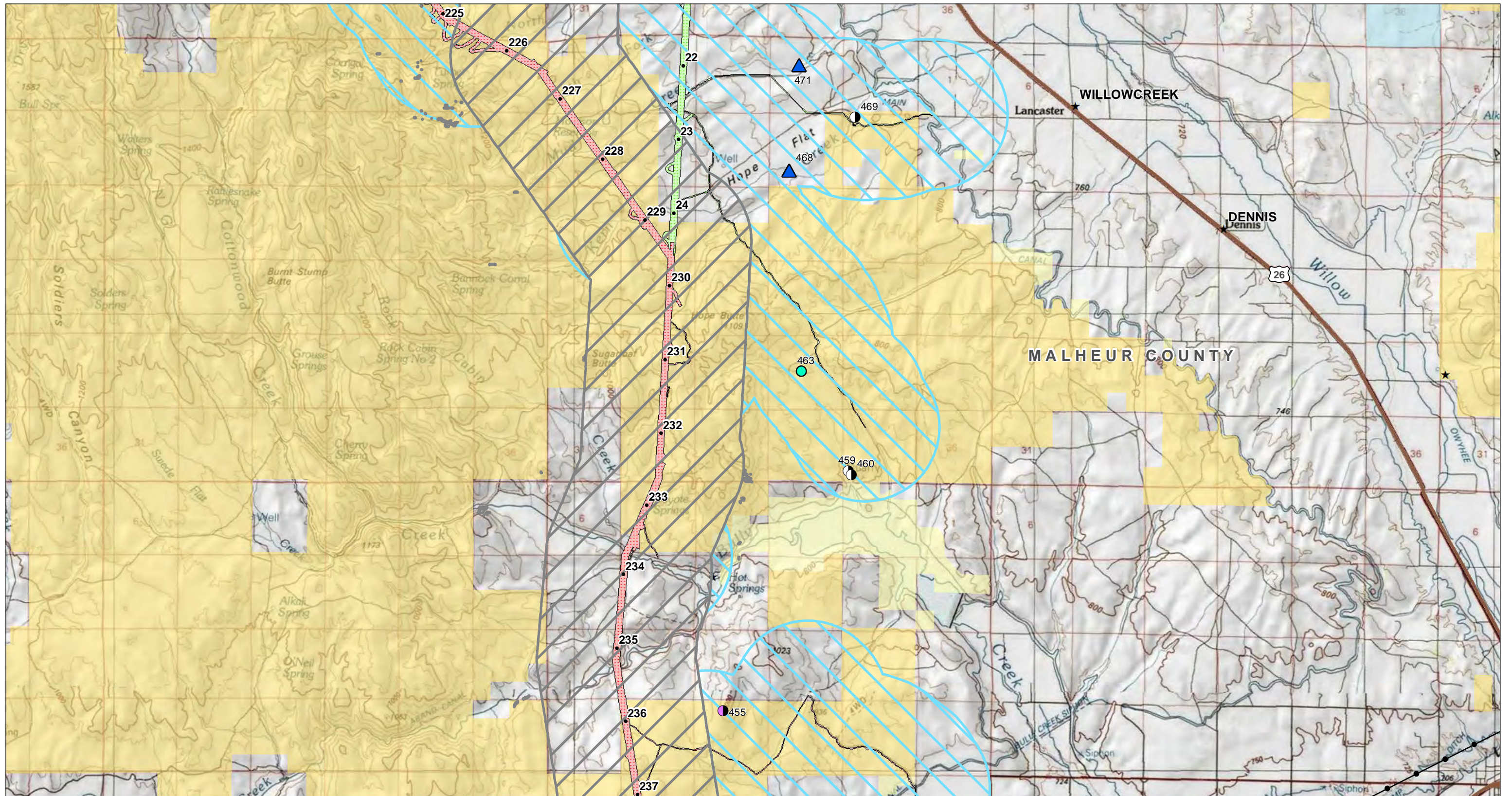
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



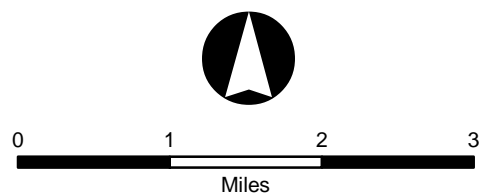




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 19 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

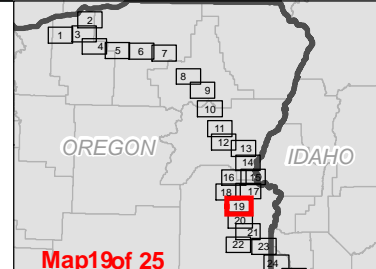
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

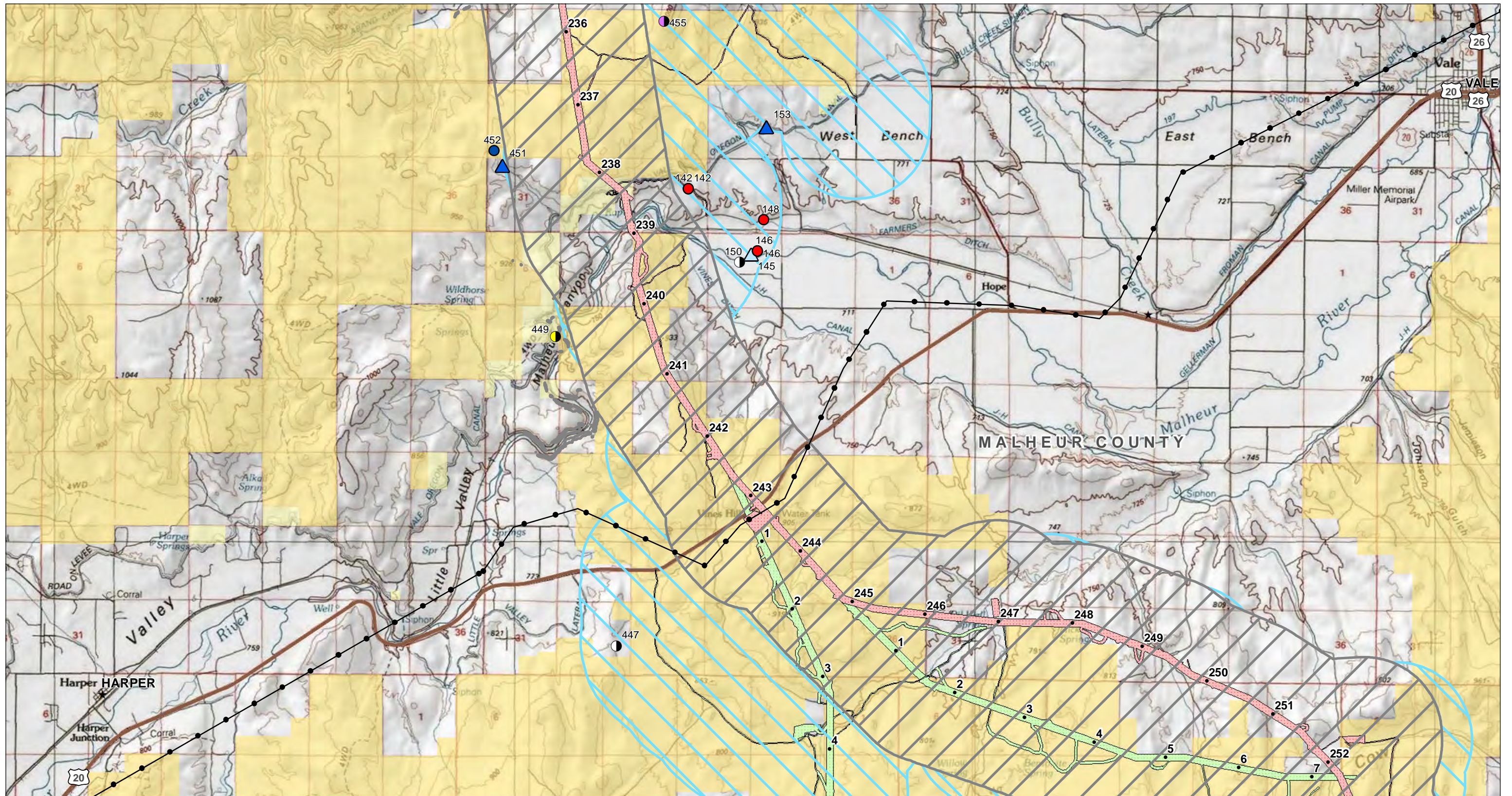
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



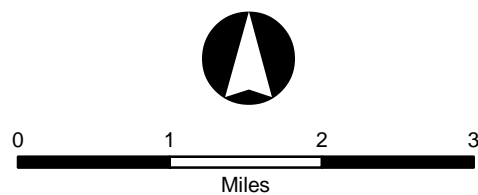




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map20of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

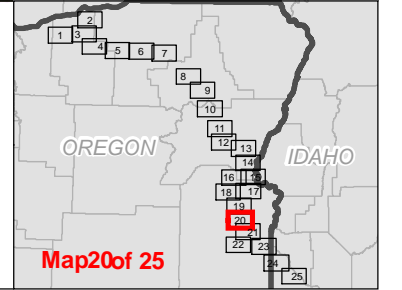
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

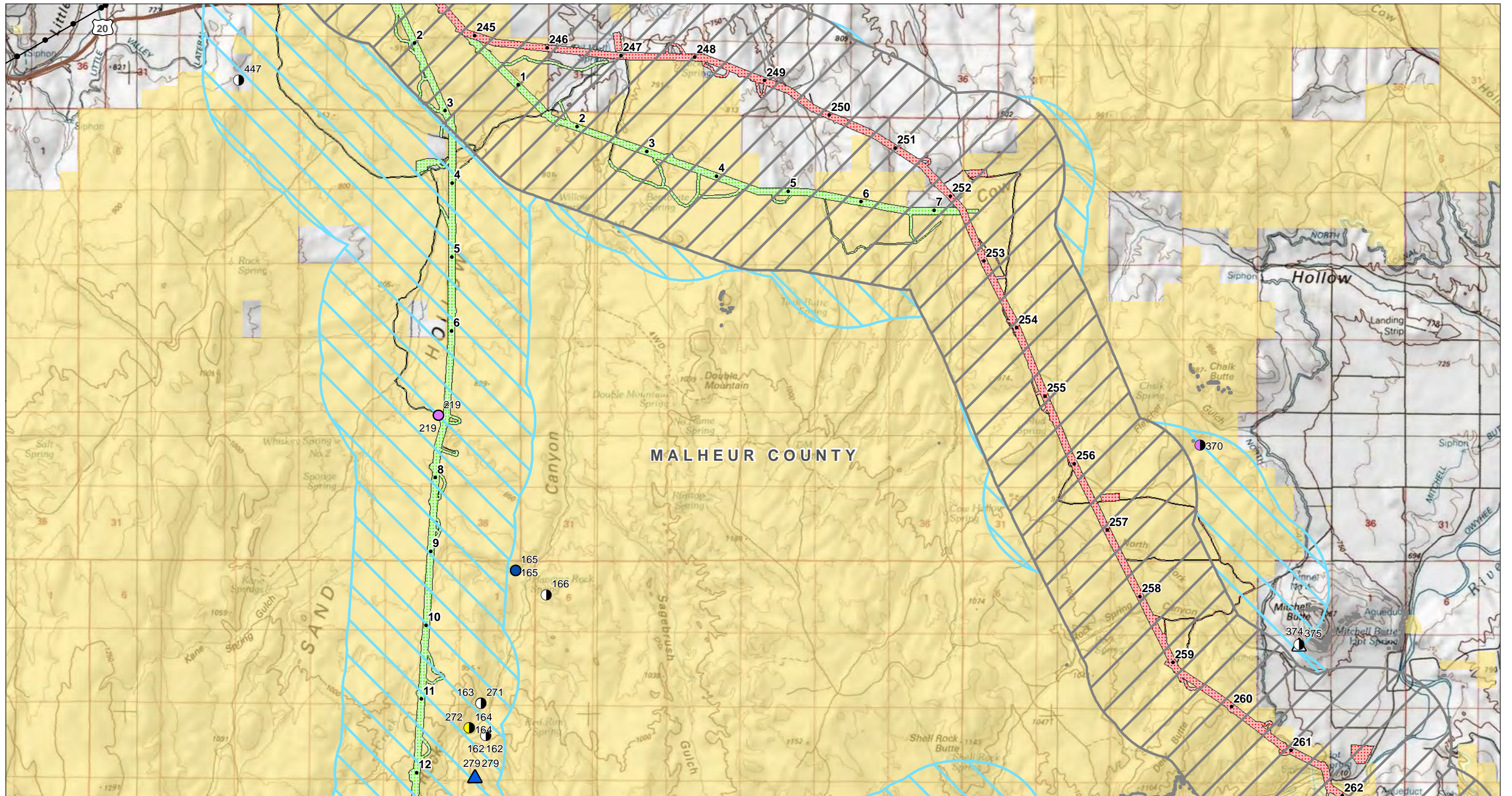
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



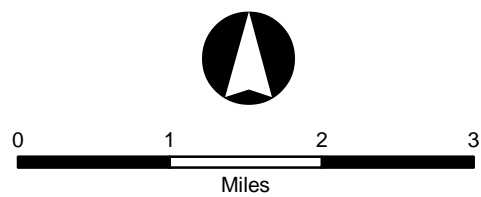




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map21of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

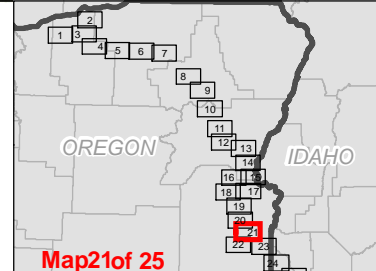
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

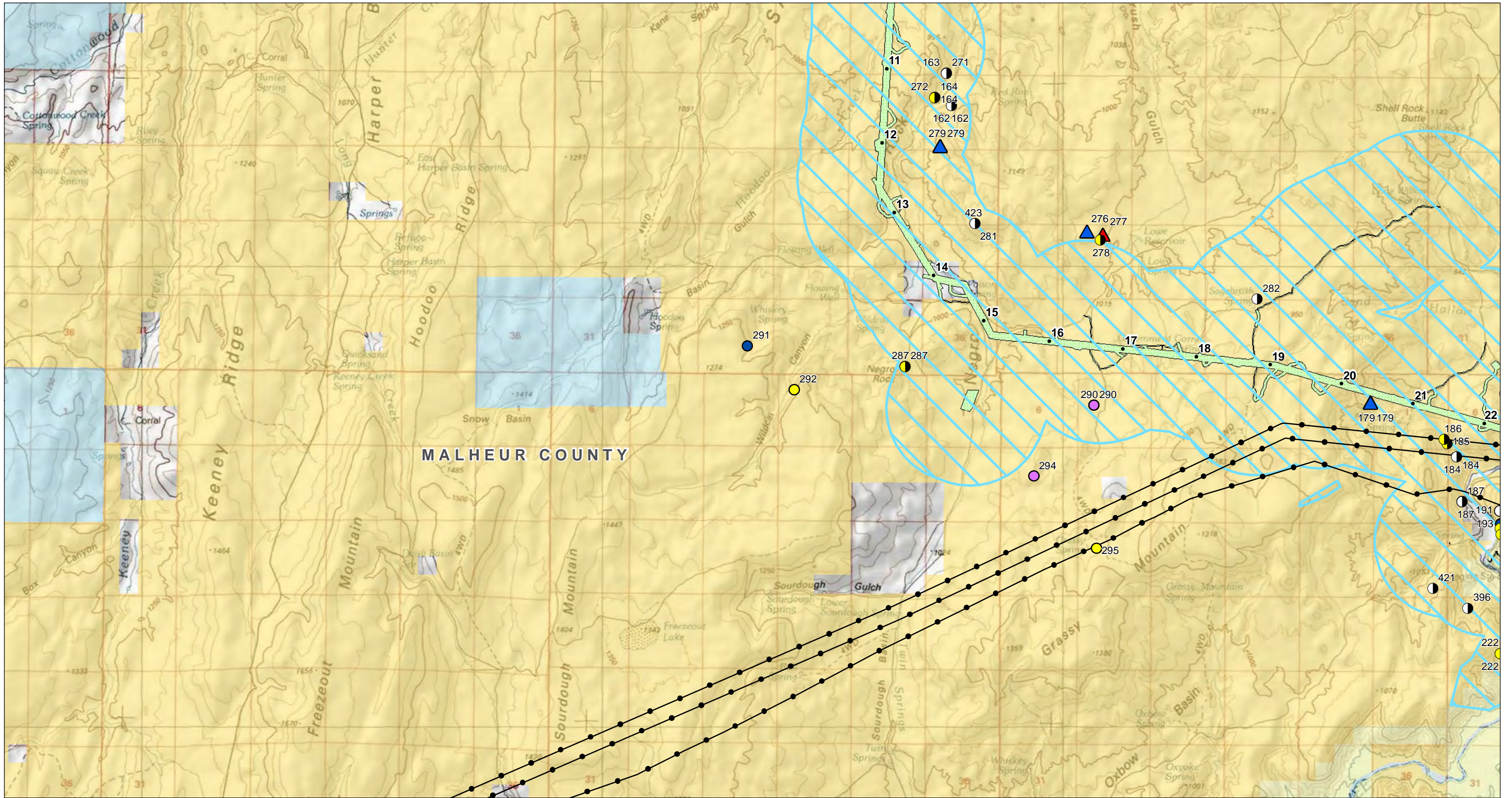
**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



Map21of 25





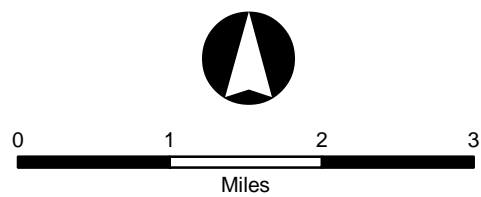
**2012 RAPTOR NEST AERIAL SURVEY**

**APPENDIX B**

Map22of 25

BOARDMAN TO HEMINGWAY  
500kV TRANSMISSION LINE PROJECT  
OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

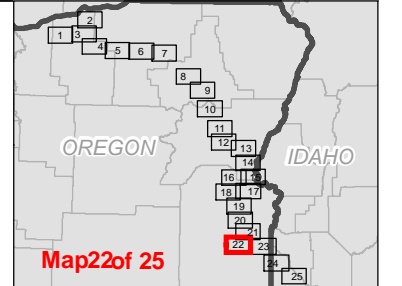
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

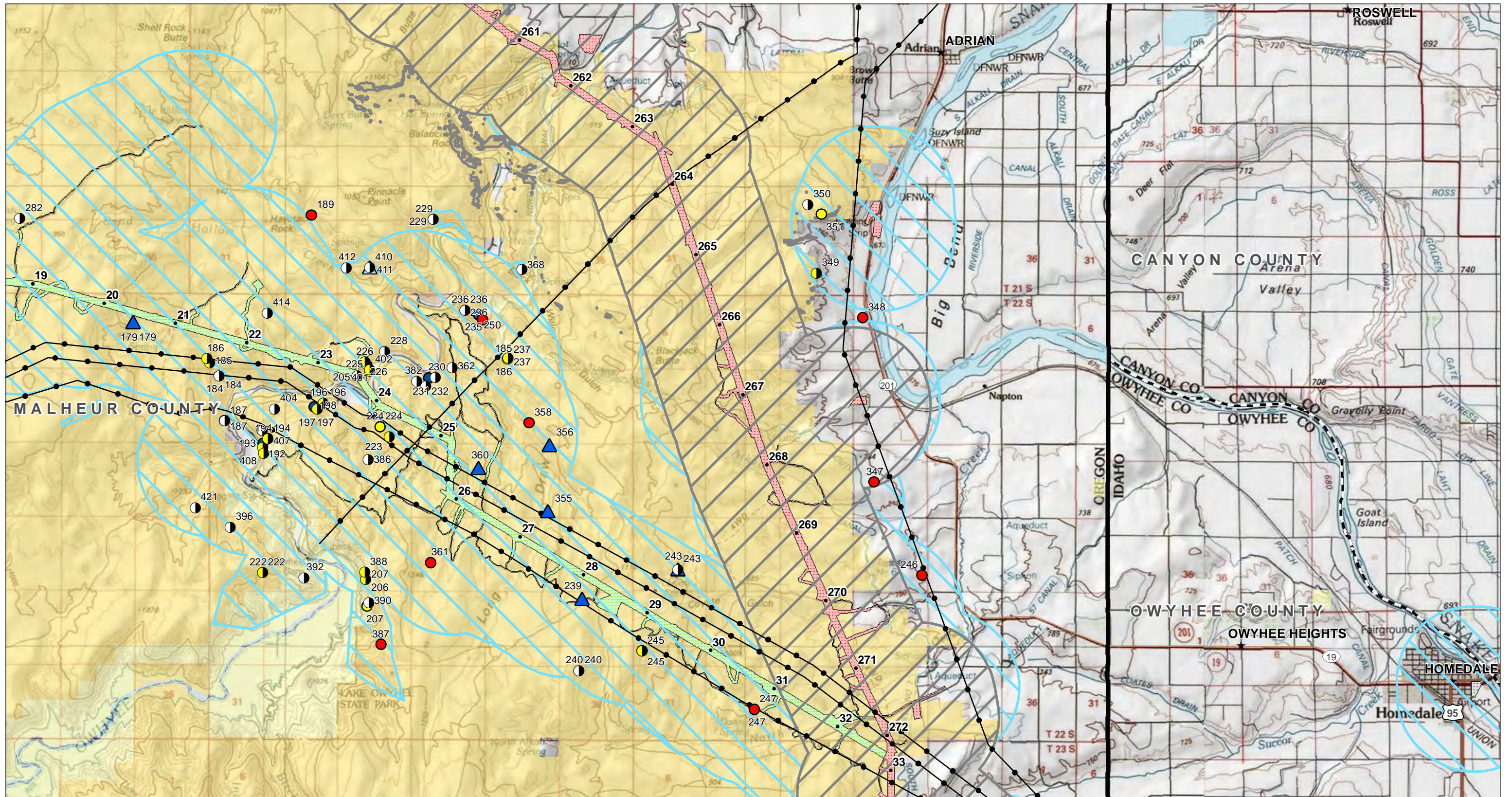
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown



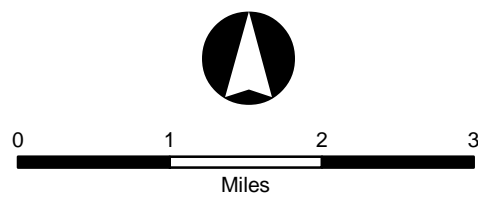




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 23 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

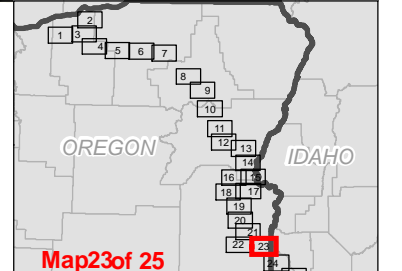
- Proposed Site Boundary
  - Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
  - 2011 Raptor Survey Area

- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

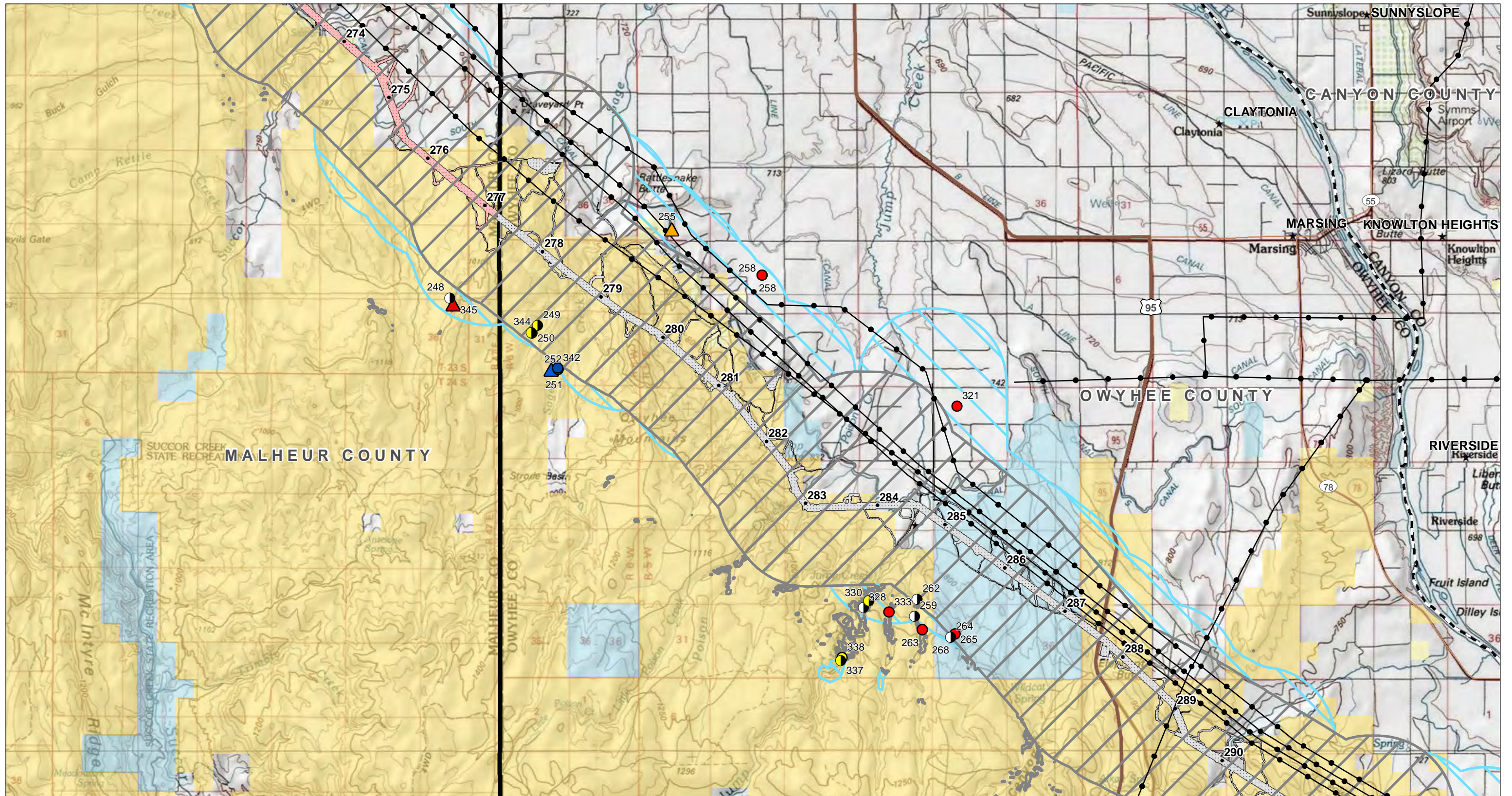
- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

- National Park Service
- Other Federal
- Private
- State
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- U.S. Forest Service

- Observed Raptor Nest Locations (Species)**
- Barn Owl
  - Burrowing Owl
  - Common Raven
  - Ferruginous Hawk
  - Inactive Ferruginous Hawk
  - Golden Eagle
  - Inactive Golden Eagle
  - Great Horned Owl
  - Long-eared Owl
  - Osprey
  - Prairie Falcon
  - Red-tailed Hawk
  - Swainson's Hawk
  - Unknown
  - Inactive Unknown



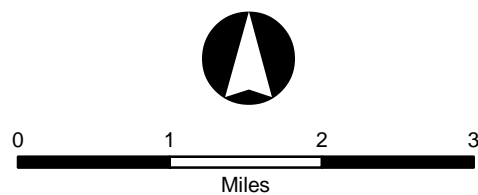




**2012 RAPTOR NEST AERIAL SURVEY**  
**APPENDIX B**  
**Map 24 of 25**

BOARDMAN TO HEMINGWAY  
 500kV TRANSMISSION LINE PROJECT  
 OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
- Alternate Site Boundary
- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
- 2012 Raptor Survey Area
- 2011 Raptor Survey Area

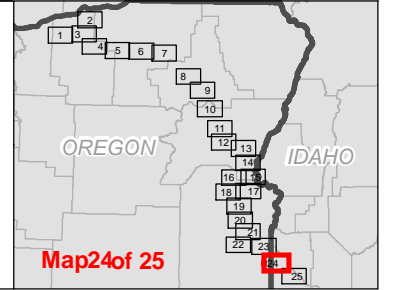
- Milepost
- Proposed Substation
- Alternate Substation
- Existing T-Line
- City/Town

- State Boundary
- County Boundary
- Indian Reservation
- Bureau of Land Management
- Bureau of Reclamation
- Department of Defense
- Indian Reservation

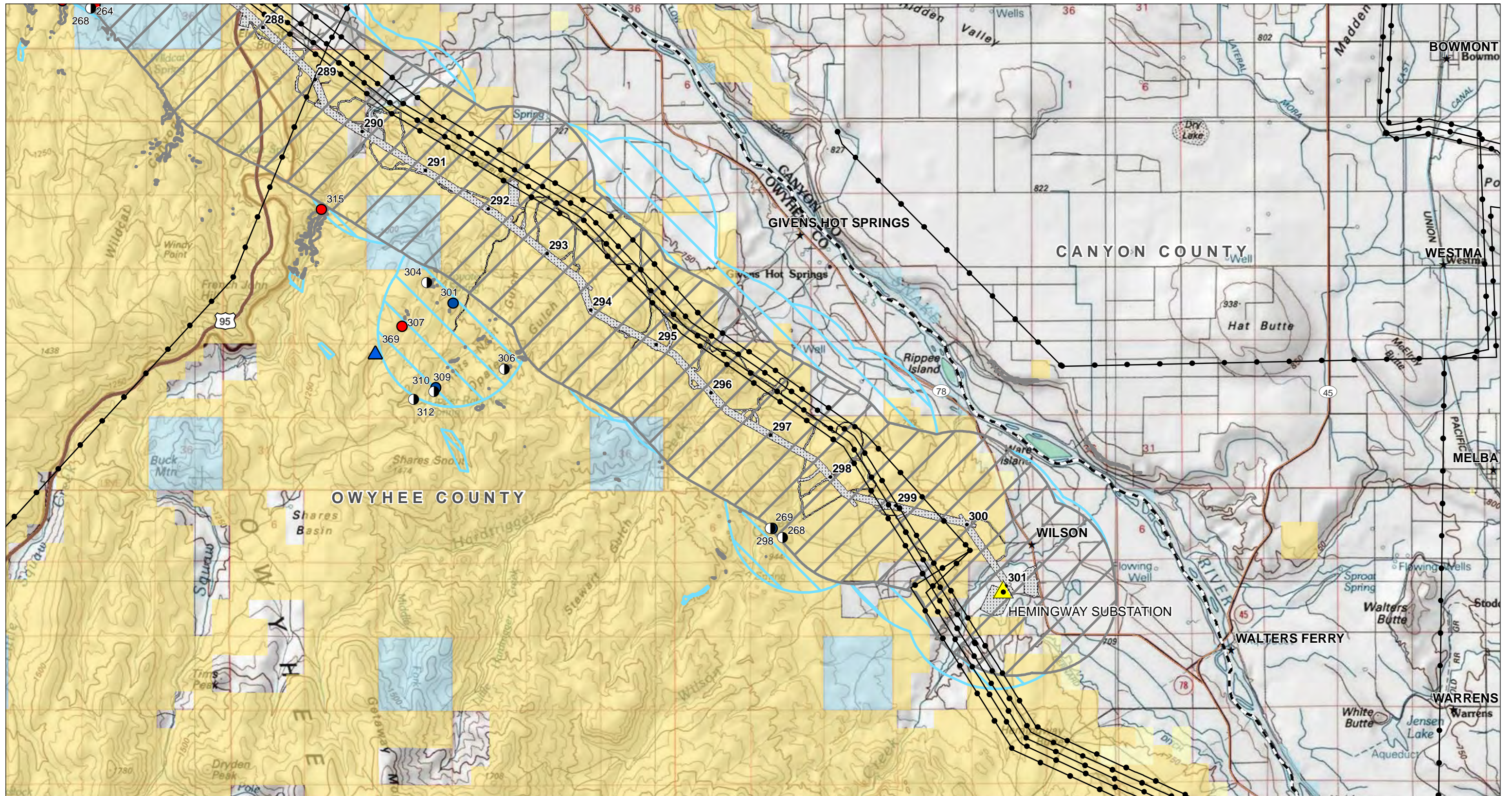
- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
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- Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown







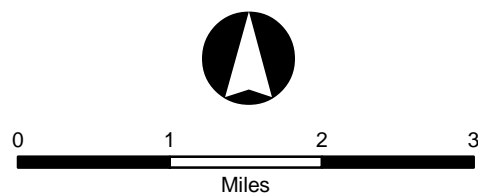
**2012 RAPTOR NEST AERIAL SURVEY**

**APPENDIX B**

Map25of 25

BOARDMAN TO HEMINGWAY  
500kV TRANSMISSION LINE PROJECT  
OREGON-IDAHO

AUGUST 2012



**EFSC Site Boundaries - 03/01/2012 Routes**

- Proposed Site Boundary
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- Idaho Study Corridor - 03/01/2012 Routes**
- Study Corridor
- Raptor Survey Areas**
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- National Park Service
- Other Federal
- Private
- State
- U.S. Fish and Wildlife Service
- U.S. Forest Service

**Observed Raptor Nest Locations (Species)**

- Barn Owl
- Burrowing Owl
- Common Raven
- Ferruginous Hawk
- Inactive Ferruginous Hawk
- Golden Eagle
- Inactive Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Osprey
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown
- Inactive Unknown

