December 21, 2012

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First St. N.E.
Washington, DC 20426

Subject: Spokane River Project, FERC Project No. 2545
Submittal of the Annual 2012 Bald Eagle Monitoring Report
as required by FERC's May 11, 2011 Order Approving Bald Eagle
Management Plan Pursuant to Article 414

Dear Secretary Bose:

In accordance with the Federal Energy Regulatory Commission's (FERC) June 18, 2009
Spokane River Hydroelectric Project (No. 2545) License, Article 414, Avista developed and
submitted a Bald Eagle Management Plan (Plan) for FERC review and approval. FERC
approved the Plan in its May 11, 2011 Order Approving Bald Eagle Management Plan Pursuant
to Article 414.

The Plan requires Avista to submit an annual report that summarizes the activities that it
implemented during 2012 to monitor Bald Eagles. The report, which is to be submitted to the
U.S. Fish and Wildlife Service, Idaho Fish and Game, the Washington Department of Fish and
Wildlife, and to FERC, discusses annual occupancy and productivity, and an overview of the
surveys for new nests.

With this, Avista is submitting the enclosed 2012 Bald Eagle Monitoring Report for your
records. Please feel free to call either me or David Armes if you have questions regarding the
annual report. I can be reached at (509) 495-4998 and David can be reached at (509) 495-2796.

Sincerely,

[Signature]

Elvin "Speed" Fitzhugh
Spokane River License Manager

Enclosure

cc: Erin Britton-Kuttel, USFWS
    Rick Donaldson, USFWS
    Mary Terra-Berns, IDFG
    Graham Simon, WDFW
December 24, 2012

Mary Terra-Berns
Idaho Department of Fish and Game
2750 Kathleen Ave.
Coeur d'Alene, ID 83814

Subject: Spokane River Project, FERC Project No. 254
Submittal of the Annual 2012 Bald Eagle Monitoring Report
As required by FERC’s May 11, 2011 Order Approving Bald Eagle
Management Plan Pursuant to Article 415

Dear Mary:

In accordance with the Federal Energy Regulatory Commission’s (FERC) June 18, 2009
Spokane River Hydroelectric Project (No. 2545) License, Article 414, Avista developed and
submitted a Bald Eagle Management Plan (Plan) for FERC review and approval. FERC
approved the Plan in its May 11, 2011 Order Approving Bald Eagle Management Plan Pursuant
to Article 414.

The Plan requires Avista to submit an annual report that summarizes the activities that it
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surveys for new nests.

With this, Avista is submitting the enclosed 2012 Bald Eagle Monitoring Report for your
records. Please feel free to call either me or David Armes if you have questions regarding the
annual report. I can be reached at (509) 495-4998 and David can be reached at (509) 495-2796.

Sincerely,

[Signature]
Elvin “Speed” Fitzhugh
Spokane River License Manager

Enclosure

Cc: David Armes, Avista
    Erin Britton-Kuttel, USFWS
    Rick Donaldson, USFWS
    Graham Simon, WDFW
December 24, 2012

Erin Britton-Kuttel  
Eastern Washington Field Office  
U.S. Fish and Wildlife Service  
11103 E. Montgomery Dr.  
Spokane Valley, WA 99206

Subject: Spokane River Project, FERC Project No. 254  
Submittal of the Annual 2012 Bald Eagle Monitoring Report  
As required by FERC’s May 11, 2011 Order Approving Bald Eagle Management Plan Pursuant to Article 415

Dear Erin:

In accordance with the Federal Energy Regulatory Commission’s (FERC) June 18, 2009 Spokane River Hydroelectric Project (No. 2545) License, Article 414, Avista developed and submitted a Bald Eagle Management Plan (Plan) for FERC review and approval. FERC approved the Plan in its May 11, 2011 Order Approving Bald Eagle Management Plan Pursuant to Article 414.

The Plan requires Avista to submit an annual report that summarizes the activities that it implemented during 2012 to monitor Bald Eagles. The report, which is to be submitted to the U.S. Fish and Wildlife Service, Idaho Fish and Game, the Washington Department of Fish and Wildlife, and to FERC, discussed annual occupancy and productivity, and an overview of the surveys for new nests.

With this, Avista is submitting the enclosed 2012 Bald Eagle Monitoring Report for your records. Please feel free to call either me or David Armes if you have questions regarding the annual report. I can be reached at (509) 495-4998 and David can be reached at (509) 495-2796.

Sincerely,

[Signature]

Elvin “Speed” Pitcher
Spokane River License Manager

Enclosure

Cc: David Armes, Avista  
    Rick Donaldson, USFWS  
    Mary Terra-Berns, IDFG  
    Graham Simon, WDFW
December 24, 2012

Graham Simon
Renewable Energy Habitat Biologist
Washington Department of Fish and Wildlife
3860 Chelan Hwy N.
Wenatchee, WA 98801

Subject: Spokane River Project, FERC Project No. 254
Submittal of the Annual 2012 Bald Eagle Monitoring Report
As required by FERC’s May 11, 2011 Order Approving Bald Eagle
Management Plan Pursuant to Article 415

Dear Graham:

In accordance with the Federal Energy Regulatory Commission’s (FERC) June 18, 2009
Spokane River Hydroelectric Project (No. 2545) License, Article 414, Avista developed and
submitted a Bald Eagle Management Plan (Plan) for FERC review and approval. FERC
approved the Plan in its May 11, 2011 Order Approving Bald Eagle Management Plan Pursuant
to Article 414.

The Plan requires Avista to submit an annual report that summarizes the activities that it
implemented during 2012 to monitor Bald Eagles. The report, which is to be submitted to the
U.S. Fish and Wildlife Service, Idaho Fish and Game, the Washington Department of Fish and
Wildlife, and to FERC, discussed annual occupancy and productivity, and an overview of the
surveys for new nests.

With this, Avista is submitting the enclosed 2012 Bald Eagle Monitoring Report for your
records. Please feel free to call either me or David Armes if you have questions regarding the
annual report. I can be reached at (509) 495-4998 and David can be reached at (509) 495-2796.

Sincerely

[Signature]

Elvin “Speed” Fitzhugh
Spokane River License Manager

Enclosure

Cc: David Armes, Avista
    Erin Britton-Kuttel, USFWS
    Rick Donaldson, USFWS
    Mary Terra-Berns, IDFG
December 24, 2012

Rick Donaldson  
Northern Idaho Field Office  
U.S. Fish and Wildlife Service  
11103 E. Montgomery Dr.  
Spokane Valley, WA  99206

Subject: Spokane River Project, FERC Project No. 254  
Submittal of the Annual 2012 Bald Eagle Monitoring Report  
As required by FERC’s May 11, 2011 Order Approving Bald Eagle  
Management Plan Pursuant to Article 415

Dear Rick:

In accordance with the Federal Energy Regulatory Commission’s (FERC) June 18, 2009  
Spokane River Hydroelectric Project (No. 2545) License, Article 414, Avista developed and  
submitted a Bald Eagle Management Plan (Plan) for FERC review and approval. FERC  
approved the Plan in its May 11, 2011 Order Approving Bald Eagle Management Plan Pursuant  
to Article 414.

The Plan requires Avista to submit an annual report that summarizes the activities that it  
implemented during 2012 to monitor Bald Eagles. The report, which is to be submitted to the  
U.S. Fish and Wildlife Service, Idaho Fish and Game, the Washington Department of Fish and  
Wildlife, and to FERC, discussed annual occupancy and productivity, and an overview of the  
surveys for new nests.

With this, Avista is submitting the enclosed 2012 Bald Eagle Monitoring Report for your  
records. Please feel free to call either me or David Armes if you have questions regarding the  
annual report. I can be reached at (509) 495-4998 and David can be reached at (509) 495-2796.

Sincerely,

[Signature]
Elvin “Speed” Fitzhugh  
Spokane River License Manager

Enclosure

Cc: David Armes, Avista  
    Erin Britton-Kuttel, USFWS  
    Mary Terra-Berns, IDFG  
    Graham Simon, WDFW
AVISTA CORPORATION

2012

Bald Eagle Monitoring Report

Article 414

Spokane River Hydroelectric Project

FERC Project No. 2545

Prepared By:
Avista Corporation

December 2012
Executive Summary

Article 414 of the Spokane River Project License (Project) required the development of a Bald Eagle Management Plan (Plan), which was approved by the Federal Energy Regulatory Commission (FERC), Project No. 2545, on May 11, 2011. It included: (i) bald eagle (Haliaeetus leucocephalus) nests associated with waters impounded by the Project; (ii) a framework for annual occupancy and productivity monitoring (Monitoring); (iii) annual surveys to identify new nests (Surveys); (iv) investigations to identify bald eagle nesting territories including primary use areas, home ranges, and key use sites (Investigations); and (iv) reporting requirements. This report summarizes the 2012 results of the Plan implementation.

Occupancy and Productivity Monitoring. Nineteen nests in 19 territories were monitored; 100% were occupied. Seventeen nests successfully fledged 19 young. Two nests lacked fledging data. The average number of young per nests was 1.12. The average number of young per successful nest was 1.73. Failure rate was 35%. Occupancy and productivity percentages of the Project nest territories are similar to previous studies conducted by IDFG from 1979 to 2006 in north Idaho and Montana (Sallabanks 2006).

Surveys to Identify New Nests. Nine new nests were located during surveys to identify new nests. Four new alternative nests in existing territories and five new nests in new territories. All new nests will be included in monitoring efforts starting in 2013 and in subsequent years.

Nesting Territory Investigations. This year, 2012, is the first nesting season of the required two seasons of habitat-use investigations. The two nest territories investigated in 2012 were within the Project planning area identified in the Plan. Therefore, a site-specific management Plan for these two territories will be completed in 2013. The results of the habitat-use investigations will be reported within the site-specific management plans.
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APPENDICES

Appendix A – 2012 Occupancy and Monitoring Forms
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## Acronyms and Abbreviations

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<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>Avista</td>
<td>Avista Corporation</td>
</tr>
<tr>
<td>DEA</td>
<td>David Evans and Associates, Inc.</td>
</tr>
<tr>
<td>E</td>
<td>east</td>
</tr>
<tr>
<td>FERC</td>
<td>Federal Energy Regulatory Commission</td>
</tr>
<tr>
<td>GIS</td>
<td>geographic information system</td>
</tr>
<tr>
<td>HED</td>
<td>hydroelectric developments</td>
</tr>
<tr>
<td>IDFG</td>
<td>Idaho Fish and Game</td>
</tr>
<tr>
<td>PLAN</td>
<td>Bald Eagle Management Plan</td>
</tr>
<tr>
<td>N</td>
<td>north</td>
</tr>
<tr>
<td>Project</td>
<td>FERC Project No. 2545</td>
</tr>
<tr>
<td>RM</td>
<td>River Mile</td>
</tr>
<tr>
<td>S</td>
<td>south</td>
</tr>
<tr>
<td>USFWS</td>
<td>US Fish and Wildlife Service</td>
</tr>
<tr>
<td>W</td>
<td>west</td>
</tr>
<tr>
<td>WDFW</td>
<td>Washington Department of Fish and Wildlife</td>
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</table>
1. Introduction

On June 18, 2009, the Federal Energy Regulatory Commission (FERC) issued a new license for Avista Corporation’s (Avista) Spokane River Project (Project), FERC Project No. 2545, for a 50-year license term. The Project consists of five hydroelectric developments (HED) located on the Spokane River in northern Idaho (in Kootenai and Benewah Counties) and eastern Washington (in Spokane, Stevens, and Lincoln Counties). The FERC licensed Project boundary generally follows the normal full pool elevation of the impoundment associated with each HED. The five HEDs, from upstream to downstream, include:

- Post Falls (River Mile [RM] 102)
- Upper Falls (RM 74.2)
- Monroe Street (RM 74)
- Nine Mile (RM 58)
- Long Lake (RM 34)

Article 414 of the License required the development of a Bald Eagle Management Plan (Plan) which was approved by FERC on May 11, 2011, and included: (i) bald eagle (*Haliaeetus leucocephalus*) nests associated with waters impounded by the Project; (ii) a framework for annual occupancy and productivity monitoring (Monitoring); (iii) annual surveys to identify new nests (Surveys); (iv) investigations to identify bald eagle nesting territories including primary use areas, home ranges, and key use sites (Investigations); and (iv) reporting requirements. The 2010 Plan identified 19 nesting territories associated with waters impounded by the Project; sixteen in Idaho and three in Washington (Golder Associates, Inc. 2010).

Avista hired David Evans and Associates, Inc. (DEA) to assist with implementation of the Plan. This annual monitoring report includes the results for implementation during the initial year of the Plan. Original and electronic copies of all field forms, photographs, geographic information system (GIS) databases, and reports are on file at Avista. Copies are retained by DEA.

2. Occupancy and Productivity Monitoring

2.1 METHODS

**Location of Territories Monitored.** Nineteen nesting territories that were associated with waters impounded by the Project were monitored in 2012 to determine annual occupancy and productivity. *Figures 1* and *2* show the locations of the Project territories that were monitored. Four new alternative nest locations for these nesting territories were located in 2012 and were monitored.

**Dates of Monitoring.** Monitoring occurred between February 1 and July 31. The methods described below follow those detailed in the Plan with a minor adjustment that extended the initial observation period for one month due to persistent inclement weather conditions that grounded the aerial survey. Supplemental efforts included additional observation dates and extending the observation period to midday for aerial and watercraft monitoring.
Each known nest was observed a minimum of three occasions during the nesting season to determine occupancy and productivity. The first observation was an initial determination of occupancy that occurred between February 1 and April 15; the second observation, an update of nesting status, occurred between April 1 and June 15; the third observation, a determination of productivity, occurred between June 15 and July 31.

Observations were made from first light to midday. Observations required up to one and one-half hours determining occupancy and productivity. High-resolution optics were used to facilitate observations. Observations were conducted from aircraft, watercraft, land vehicle, and on foot. Land-based observations took place from a vehicle whenever possible to avoid disturbance to eagles. Nests approached on foot, took place with the observer remaining at least 330 feet from the nest and/or hidden from view. Observers retreated if eagles display agitated behavior. During each visit, recorded data pertinent to the determination of nest occupancy and productivity, included:

- Nest condition
- Nest repair or construction
- Presence and behavior of adults
- Adult incubation or brooding posture
- Number of eggs
- Number and age of young using a standardized aging key based on plumage, size, and posture (Carpenter 1990)

Based on the results of observations and professional judgment, one of the following occupancy determinations was made for each monitored territory:

1. **Active:** Two adults present in a territory containing a nest during the nesting season, or one adult observed incubating with young, or near a known nest. “Active” is a transitional designation. A nest that is deemed “Active” at the beginning of the nesting season will receive a determination of “Successful”, “Active, Not Successful”, “Nest Abandoned”, or “Active, Success Unknown” at the completion of monitoring.

   **Active Successful:** One or more young fledged from the nest. When the “Successful” determination is used, the annual report includes the number of eagles fledged from the nest.

   **Active, Not Successful:** An occupied territory where no young were produced. When the “Active, Not Successful” determination is used, observers try to determine the cause of reproductive failure where possible, and note this cause in the annual report.

   **Nest Abandoned:** Bald eagles were observed in the nesting territory, but deserted or stopped attending a nest, and did not subsequently return and successfully raise young in a nest for the duration of the breeding season. When the “Nest Abandoned” determination is used, observers document activities and/or habitat alterations that may have contributed to abandonment of the nest. The annual report includes information on the nature, extent, and location of such activities or habitat alterations.
Active, Success Unknown: Occupied territory not adequately monitored to determine success. The use of this determination will require an explanation as to why the territory was not adequately monitored to determine success. The annual report includes recommendations to rectify inadequacies in subsequent monitoring.

2. Not Active: No nesting activity and no adults in a nesting territory. When the “Not Active” determination is used, observers recorded any modifications or disturbances to habitat that have occurred near the nest site and the distance to those disturbances. The nature, extent, and proximity of habitat modifications/disturbances should be included in the annual report.

3. Status Unknown: Territory not checked or incompletely checked to determine occupancy. The use of the “Status Unknown” determination will require an explanation of why the territory was not checked or why observations were not adequate to determine occupancy. The annual report includes recommendations to allow for adequate observations during subsequent monitoring (Golder Associates, Inc. 2010).

All occupancy and productivity data was recorded on standardized data forms. Copies of these forms are included in Appendix A.

2.2 RESULTS

Occupancy and Productivity Determination. The 2012 occupancy and productivity monitoring of nesting territories in Project waters produced the following results:

- Occupancy: 100%. All 19 known nesting territories were monitored; all 19 nesting territories were occupied and had active nests.
- Project area productivity: Seventeen active nests fledged 19 young. The average number of young per Project nest was 1.12.
- Successful nest productivity: Eleven active nests of 17 were successful (65%) The average number of young per successful nest was 1.73. Two nests were active but the success was unknown.
- Failure rate: 35%. Six of 17 active nests were not successful.
- Individual territories productivity will be determined with subsequent yearly monitoring.

The occupancy and productivity data of the nesting territories was analyzed and the results are summarized in Table 1.

2.3 DISCUSSION

Factors affecting Occupancy and Productivity. The following section discusses the potential disturbance factors that may have affected the occupancy and productivity of the nesting territories. They are ordered according to the final nesting territory determination.
**Active, Successful.** Eleven of the 17 nests were active, successful. These occupancy and productivity percentages of the Project nest territories are similar to previous studies conducted by IDFG from 1979 to 2006, in Idaho as a whole and also specifically in the Idaho Eagle Management Area 7 of north Idaho and Montana. That area included some of these Project nest territories (Sallabanks 2006). According to the Plan, productivity results assume the young noted in the nest during the last observation have successfully fledged. However, the pre-fledging period is considered a very sensitive period. Nestlings at this stage are developing flight abilities, may flush from the nest prematurely, and perish due to disruption (USFWS 2012). Therefore, actual numbers of fledglings and percentages may be the same or lower.

**Active, Success Unknown.** Two nests, Blessing Slough and Rainey Hill were active and occupied but with unknown success.

Blessing Slough nest 07I07601 monitoring lacked data from April 25 to July 13. At the April 25 date during aerial survey, an adult was in incubating posture. Land access for observation vantage points for this remote nest was limited and became fully obscured by the foliage of the cottonwood stand. However, a new vantage point with watercraft access was located on July 13. At the July date, no adults or nesting activity indicating nesting success or fledging was present, although an early fledging may have occurred by mid July. The new access point will be utilized in subsequent monitoring efforts.

Rainy Hill nest 07I07401 was occupied by a Canada goose on April 5, abandoned by bald eagles. New alternative nest 07I07402 was located during April 10 and April 25 aerial surveys. Both dates had an adult perched at the nest and with two eggs and/or early nestlings. The new nest monitoring lacked data from May 25 to July 13 because a vantage point from land could not be located. A new vantage point by watercraft access, however, was located on July 13. At the July date, no adults or nesting activity indicating nesting success or fledging was observed, though fledging may have occurred by mid July. The new watercraft access point will be utilized in subsequent monitoring efforts.

Although both of these nests may have had potential for an early fledge, it is not assumed that these nests were successful.

**Active, Not Successful:** Out of 17 active and occupied nests, six nests were not successful. Potential disturbance factors that affected all nests were a cold late spring and late snows. Early June weather reports indicated below average temperatures and above average precipitation (Weather Underground 2012). At the Mission Slough nesting territory (located at Rose Lake) (unsuccessful), an adjacent landowner related that there was a snowfall of 4 inches in early June (Gibbs, pers. comm. 2012).

Other potential disturbance factors were at specific locations within the territories as indicated in Table 1. Disturbance factors near nests include paved and unpaved roads, hiking, biking, and parking. The Trail of Coeur D’Alene, trailheads, and parking lots are located near two nests (Anderson Lake and Heyburn Park). Generally, the trail had snow-covered portions and had minimal use until mid-May. Signage to alert users of nearby nests and recommend minimized stays to avoid impacts to nesting activities may be
useful near the Anderson Lake trailhead and parking area if subsequent monitoring reveals repeated nest failures.

Residential disturbance factors include paved and unpaved roads; year round and seasonal (occupancy begins June or July) homes. Osprey nests were often near eagle nests with regular prey capture in the bald eagle territories. Of these potential disturbance factors, none appeared to have been a sole cause of nest failure, but may have had incremental impacts. Subsequent monitoring will provide more information.

A jet boat race occurred May 12, 2012 along the St. Joe River from St. Maries to Caldwell, Idaho. The Falls Creek and Turtle Lake nests are located near the river shoreline. This annual, one day, two-hour race occurs from 10:00 am to 12:00 noon, during which the boats pass by the two nest sites. There may have been one or more previous check runs. Although the nests were active prior to May 12th, no nesting activity was observed after this date. Future monitoring may provide additional information as to why the two nests were unsuccessful.
<table>
<thead>
<tr>
<th>Territory Name</th>
<th>Nest Number</th>
<th>Current Planning Area</th>
<th>Nest condition start/end</th>
<th>Potential Disturbance Factors</th>
<th>Nesting Determination</th>
<th>Number of Fledglings</th>
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<td>IDAHO</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Anderson Lake</td>
<td>07I03101</td>
<td>No, private</td>
<td>Good</td>
<td>Top of snag broken, many osprey nests, Trail of CDA</td>
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<td>Blessing Slough</td>
<td>07I07601</td>
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<td>Killarney Lake</td>
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<td>Swan carcasses in April, @ bay ~ ½ m N</td>
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<td>Good</td>
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<td>No</td>
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<td>unknown</td>
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<td>St. Maries</td>
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<td>Swan Lake</td>
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<td>Good/poor</td>
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<td>Ranch, residence, jet boat race</td>
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<td>Windy Bay S</td>
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<td>None</td>
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<td>WASHINGTON</td>
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<td>Charles Mass</td>
<td>63054</td>
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<td>Good</td>
<td>Park and residential</td>
<td>Active, Successful</td>
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<td>Long Lake South</td>
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<td>None</td>
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<td>Whalen</td>
<td>62973</td>
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<td>Good</td>
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<tr>
<td><strong>Total fledglings (n=17)</strong></td>
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<td><strong>Average fledglings per nest (n=17)</strong></td>
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<td><strong>Average fledglings per successful nest (n=11)</strong></td>
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<td></td>
<td></td>
<td></td>
<td>1.73</td>
</tr>
</tbody>
</table>

* New alternative nest monitored in 2012
3. **Surveys to Identify New Nests**

Surveys to identify new nests commenced in 2012. New nests identified during the Survey will be incorporated into monitoring efforts starting in 2013 and in subsequent years.

### 3.1 METHODS

The methods described below follow those detailed in the 2010 Plan, with a minor adjustment that extended the initial observation period through April due to persistent inclement weather conditions that grounded the aerial surveys. Supplemental efforts included communications with local and nearby residents of the Project area during the course of ongoing investigations.

Avista coordinated with the US Fish and Wildlife Service (USFWS), Idaho Fish and Game (IDFG), Washington Department of Fish and Wildlife (WDFW) and other entities to identify potential new bald eagle territories or nests.

**Survey Routes.** Aerial surveys were conducted within the monitoring area. Surveys were conducted primarily from a fixed-wing aircraft. The survey routes followed the shorelines of Project waters at elevations approximately 500 to 800 feet. Observers noted and tracked adult eagles outside of known territories and looked for nests in likely locations.

**Survey Dates.** Aerial surveys were conducted on April 10, April 12, and April 25, 2012. Supplemental survey efforts occurred during the ongoing monitoring and territory investigations by both watercraft and land-based vehicles. Observers noted and tracked adult eagles outside of known territories and looked for nests in likely locations.

Documentation for any new nest, or suspected new nest, encountered during surveys included a minimum of two nest photographs, GPS location, and relevant descriptive information indicating nest location, nest condition, proximity to known nests, and significant habitat alterations. All new nest data was recorded on standardized data forms.

### 3.2 RESULTS

Nine new nests were located during the survey efforts. Four of the new nests were alternative nests located within existing territories. Five of the new nests were in new territories. The four new alternate nests were included in the 2012 monitoring effort results that were summarized earlier in this report.

The following table, figures, and attached Appendix B provide:

- Locations of previously undocumented nests and
- Relationship of new nests to known nests
- Photographs of new nests
- Descriptions of new nests
- Notes regarding significant alterations to habitats

*Table 2.* Summarizes information of the new nests located during the 2012 survey efforts including location, relationships of new nests to known nests, and notes.
# Table 2. 2012 New Bald Eagle Nests

<table>
<thead>
<tr>
<th>Territory Name</th>
<th>Number</th>
<th>Location/ Relationship to known nests</th>
<th>Current Planning Area</th>
<th>Notes</th>
<th>Latitude, longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NEW ALTERNATIVE NEST, EXISTING TERRITORY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Falls Creek W, ID</td>
<td>07I03703</td>
<td>~ 1/2 mile west of other nests, north of river</td>
<td>No</td>
<td>original nest collapsed prior to 2012</td>
<td>47.314694,-116.316226</td>
</tr>
<tr>
<td>Long Lake S, WA</td>
<td>06W2209</td>
<td>~ 2 miles east of previous nests, south shore across from boat access</td>
<td>Yes</td>
<td>original nests collapsed prior to 2012</td>
<td>47.826684,-117.748139</td>
</tr>
<tr>
<td>Rainey Hill N, ID</td>
<td>07I07402</td>
<td>~ 1.7 miles north of other nest, west side cottonwoods</td>
<td>No</td>
<td>west of Schlepp property</td>
<td>47.49946,-116.565328</td>
</tr>
<tr>
<td>Windy Bay S, ID</td>
<td>08I00102</td>
<td>south of other nest, south shore of Windy Bay</td>
<td>No</td>
<td>other nest in newly developed area</td>
<td>47.47544,-116.906300</td>
</tr>
<tr>
<td><strong>NEW NEST, NEW TERRITORY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fernan Lake, ID</td>
<td>07I10001</td>
<td>southeast end of Lake</td>
<td>No</td>
<td>across from end of road</td>
<td>47.673248,-116.709566</td>
</tr>
<tr>
<td>Hepton Lake, ID</td>
<td>07I10101</td>
<td>west side river bend in cottonwoods</td>
<td>No</td>
<td>between Heyburn Park and St. Maries</td>
<td>47.330977,-116.629872</td>
</tr>
<tr>
<td>Little Falls, WA</td>
<td>06W10001</td>
<td>south shore of lower Spokane River</td>
<td>No</td>
<td>west extent of lower Spokane River</td>
<td>TBD in 2013</td>
</tr>
<tr>
<td>Lower Spokane River, WA</td>
<td>06W10101</td>
<td>downstream of Hwy 291 bridge, north shore</td>
<td>No</td>
<td>between Long Lake S and Little Falls</td>
<td>47.840339,-117.854311</td>
</tr>
<tr>
<td>Upper Spokane River, ID</td>
<td>07I0201</td>
<td>~ 2mi. downstream of Lake CDA, west shore of Spokane River</td>
<td>No</td>
<td>between Post Falls Dam and Cougar Bay</td>
<td>47.696751,-116.830384</td>
</tr>
</tbody>
</table>

The locations of the original 19 bald eagle nests and the nine new nests are shown in *Figures 1 and 2*. These 24 nests will be monitored in 2013 and subsequent years.

Documentation of the four new alternative nests including standardized raptor nest forms with descriptions, photographs, and maps are included in *Appendix B*. Documentation of the five new nests in new territories will be completed during the 2013 occupancy and productivity monitoring and finalized for the 2013 annual report.
Additionally, communications with local residents and other Project area users, provided leads for five other potential eagle nesting areas to survey in 2013, should it be determined the nesting territories are within or utilize the Project area. This includes areas of Cataldo Slough, upper St. Maries River, and St. Joe River in Idaho, and in Washington, the Suncrest and Barker Road areas in Washington.

4. Nesting Territory Investigation Report

The purpose of the investigations is to identify nesting territories and associated primary use areas, home ranges, and key use sites. New nest territories documented within the monitoring area during the course of annual surveys to identify new nests will be added to scheduled territory investigations. Nesting territories may be omitted from investigation if a site-specific nest management plan is currently in place and/or if home ranges, primary use areas, and key use sites are already known. Avista will coordinate with USFWS, IDFG, and WDFW, as appropriate to determine whether nest management plans are available. Nesting territories are only omitted from investigation with mutual agreement of USFWS, IDFG, and WDFW as appropriate.

The nesting territory investigation report will include the results of habitat use investigations for those nesting territories that are not part of the planning area. The two nest territories subject to investigation in 2012 were within the Project planning area. Therefore, the results of the habitat-use investigations will be reported within the site-specific management plans of these two territories.

4.1 METHODS

The methods summarized below follow those detailed in the 2010 Plan. Professional judgment was used when required to modify these methods for site-specific circumstances.

Location of Territories. The Long Lake South and Whalen nesting territories were investigated in 2012. These territories are located in the project planning area located in the Long Lake HED of Washington as shown in Figure 2.

Study Dates and Schedules. Observers are to collect two nesting seasons of habitat-use data at each of the two nests. Observation periods were scheduled once every two weeks, for each nest under investigation, from March 1 through July 31st. Observation periods occurred from either (i) first light to mid-morning or (ii) two to three hours before sunset to dusk. A combination of morning and evening observation data was collected for each territory under investigation. The first nesting season of these two territories was collected in 2012.

Study Methods. During each observation period, eagle activity was recorded on standardized data forms in a time-interval format referenced to locations marked on a map or recorded by GPS. The information documented included: begin and end time, eagle (female, male, or juvenile), location (referenced to map/ or GPS), activity, disturbances, and other pertinent information described in the Plan. Observers summarized habitat use by the number of minutes each eagle spent using each habitat feature. Time-interval records that include observations of agitated behavior were summarized by the type of disturbance, frequency, duration, and distance to the source of agitation.
Observers followed nesting eagles from the territory as far as safely and legally possible during the observation period. Observations were conducted from water and/or land, and a variety of vantage points were used to encompass the area, the locations were marked on a map or recorded by GPS.

**Home Range, Nesting territory, Primary use areas, Key use sites, and Disturbances.** For the purposes of this report, home range is defined as habitats occupied by eagles year round that were recorded during investigations. Nesting territory is defined as areas occupied by eagles during the nesting period of March 1st through July 31st. Primary use sites is defined as areas occupied by eagles greater than 75% of the time recorded during investigations. Key use sites include nests, perches, roosting stands, and prey capture areas. Disturbances are those activities noted that result in disturbance to nesting eagles and/or reduce the quality or availability of local nesting habitat.

Locations and habitat features referenced during the investigation will be entered into a spatially-linked database after two years of investigations. Bald eagle nesting territories, including home ranges and primary use areas, shall be delineated from the data collected during the field investigation using one of several possible methods producing contours that define the intensity of activity in a given area.

**4.2 RESULTS**

The Long Lake South and Whalen nesting territories located in the Long Lake HED were investigated in 2012. This was the first of the required two seasons of nesting territory investigations. Standardized forms were used to collect data. GPS information was collected and entered into a spatially linked database. The investigations for Long Lake South and Whalen territories will conclude after the second season in 2013. Because the two nest territories subject to investigation in 2012 were within the Project planning area, a site-specific management plan for these two territories will be completed in 2013. The results of the habitat-use investigations will be reported within the site-specific management plans.

The site-specific management plans will include investigation methods and identify nesting territory, home range, primary use areas and key sites used during nesting. The plans will identify and characterize activities that result in disturbance to nesting eagles and describe ongoing activities that result in loss or degradation of habitat within a nesting territory. Measures will be proposed to reduce bald eagle/human conflicts based on identified threats. The plans will focus on areas where Avista has the management authority to protect habitat and the ability to enforce seasonal restrictions on activities found to disturb nesting eagles.

Associated with the two site-specific management plans, Avista will provide USFWS and WDFW with electronic files (Excel, geodatabase, or shapefile) depicting nesting territories, home ranges, primary use areas, key use sites, and any proposed zones or locations where activities may be restricted to protect nesting eagles.
Figure 1. 2012 Bald Eagle Nesting Locations of Project Waters in Idaho
Figure 2. 2012 Bald Eagle Nesting Locations of Project Waters in Washington
5. References


SPOKANE RIVER HYDROELECTRIC PROJECT (FERC Nos. 2545-091 and 12606-000)
BALD EAGLE NEST MONITORING FORM

I. ID
Territory Name: Anderson Lake Territory/Nest Number: 07103101 Observer Initial: LS Reviewer Initial: DA

II. SURVEY SUMMARY
Survey Code
☐ (1) Not Checked ☐ (2) Not Located ☐ (3) No Initial Occupancy Determination ☐ (4) No Nesting Status Update ☐ (5) Productivity Not Determined
☐ (6) Complete Survey, Productivity Determined

Status Code
☐ (1) Unoccupied ☐ (2) Other Species ☐ (3) Single Adult ☐ (4) Occupied ☑ (5) Active ☑ (6) Unsuccessful ☐ (7) Successful

Nest Condition Code
☐ (1) New ☑ (2) Good ☐ (3) Fair ☐ (4) Poor ☐ (5) Nest Destroyed:

Nesting Determination
☐ (1) Status Unknown ☐ (2) Not Active ☐ (3) Nest Abandoned ☐ (4) Active, Not Successful ☑ (5) Active, Success Unknown ☑ (6) Successful

Number of Fledglings: 0 young (at or near fledging age)

III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>OBSERVATION PERIOD</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td></td>
<td>good</td>
<td>[Avista Review]</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>February 1 – March 31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(pre-egg laying and early incubation)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td></td>
<td>good</td>
<td>[Access Plan/A134]</td>
<td>☑ (Imm Baza)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>April 1 – June 15</td>
<td>4/5/12</td>
<td>good</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>(late incubation and nestlings)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4/18/12</td>
<td>good</td>
<td>unk</td>
<td>☑ AD + alt + wef</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5/6/12</td>
<td>good</td>
<td>no sign of activity @ nest + no</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>per in cottonwood</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity</td>
<td></td>
<td>good</td>
<td>none</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>June 15 – July 31</td>
<td>7/20</td>
<td>good</td>
<td>none</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

ALT Colbridge
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
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<td></td>
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</table>

<table>
<thead>
<tr>
<th>Date of egg laying:</th>
<th>Clutch size:</th>
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<table>
<thead>
<tr>
<th>Date of hatching:</th>
<th>Date/Number of fledglings at dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of fledging:</th>
<th>Banding data:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure:

Reason for failure: Not singular; however, broken top of snag, all the nearby asps,  & cold spring were all contributing factors.

Nest Abandoned (Yes/No), date:

Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest): Many (6+) asp eggs nests within 1 mile of nest about every .5 miles. Two nearest ones active. Nearest ~500'

Habitat Alterations (record type, extent, and proximity to nest): Trail of CRA parking area within territory and near nest. Human use not noted until warmer months of June/July. At nest in 2012, top broken, this winter?

Ongoing Disturbances (record type, extent, and proximity to nest): 

Prepared by: L. Strangis  Date: 7/20/12
Reviewed by:  Date: 9/18/12
SPOKANE RIVER HYDROELECTRIC PROJECT (FERC Nos. 2545-091 and 12606-000)
BALD EAGLE NEST MONITORING FORM
2012

I. ID
Territory Name: **Blessing Slough**  Territory/Nest Number: 07107601  Observer Initial: **LS**  Reviewer Initial: **DA**

II. SURVEY SUMMARY

Survey Code
- (1) Not Checked
- (2) Not Located
- (3) No Initial Occupancy Determination
- (4) No Nesting Status Update
- (5) Productivity Not Determined
- (6) Complete Survey, Productivity Determined

Status Code
- (1) Unoccupied
- (2) Other Species
- (3) Single Adult
- (4) Occupied
- (5) Active
- (6) Unsuccessful
- (7) Successful

Nest Condition Code
- (1) New
- (2) Good
- (3) Fair
- (4) Poor
- (5) Nest Destroyed:

Nesting Determination
- (1) Status Unknown
- (2) Not Active
- (3) Nest Abandoned
- (4) Active, Not Successful
- (5) Active, Success Unknown
- (6) Successful

Number of Fledged: **UNK** young (at or near fledging age)

III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>OBSERVATION PERIOD</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy February 1 – March 31 (pre-egg laying and early incubation)</td>
<td><strong>UNK</strong></td>
<td><strong>UNK</strong></td>
<td>[Avista Review / not accessed]</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Update Nesting Status April 1 – June 15 (late incubation and nestlings)</td>
<td>4/15/12</td>
<td><strong>UNK</strong></td>
<td>[Avista Access Plan / not accessed]</td>
<td><strong>ACT</strong></td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>4/25/12</td>
<td><strong>good</strong></td>
<td>active</td>
<td>140</td>
<td>1NC</td>
<td><strong>UNK</strong></td>
<td><strong>UNK</strong></td>
</tr>
</tbody>
</table>

No sign of fledglings, some leaves above nest, no whitewash visible, 10% tarager flew in & perched on nest
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: ____________________________

Reason for failure: ____________________________

Nest Abandoned (Yes/No), date: ____________________________

Reason for abandonment: ____________________________

Disturbing Activities (record type, duration, and proximity to nest) None – far from human use areas

Habitat Alterations (record type, extent, and proximity to nest) ____________________________

Ongoing Disturbances (record type, extent, and proximity to nest) ____________________________

Prepared by: L. Stragis       Date: 7/17/12
Reviewed by:                  Date: 9/1/12
I. **ID**

<table>
<thead>
<tr>
<th>Territory Name:</th>
<th>Cougan Bay</th>
<th>Territory/Nest Number:</th>
<th>07103502</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observer Initial:</td>
<td>LS</td>
<td>Reviewer Initial:</td>
<td>DA</td>
</tr>
</tbody>
</table>

II. **SURVEY SUMMARY**

- **Survey Code**
  - (1) Not Checked
  - (2) Not Located
  - (3) No Initial Occupancy Determination
  - (4) No Nesting Status Update
  - (5) Productivity Not Determined
  - (6) Complete Survey, Productivity Determined

- **Status Code**
  - (1) Unoccupied
  - (2) Other Species
  - (3) Single Adult
  - (4) Occupied
  - (5) Active
  - (6) Unsuccessful
  - (7) Successful

- **Nest Condition Code**
  - (1) New
  - (2) Good
  - (3) Fair
  - (4) Poor
  - (5) Nest Destroyed:

- **Nesting Determination**
  - (1) Status Unknown
  - (2) Not Active
  - (3) Nest Abandoned
  - (4) Active, Not Successful
  - (5) Active, Success Unknown
  - (6) Successful

- Number of Fledglings: 8 young (at or near fledging age)

III. **SURVEY RESULTS**

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td>1/11/12</td>
<td>Good</td>
<td>active</td>
<td>2AD</td>
<td>INC</td>
<td>UNK</td>
<td></td>
</tr>
<tr>
<td>February 1 – March 31 (pre-egg laying and early incubation)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td>3/27/12</td>
<td>Good</td>
<td>no activity</td>
<td>-</td>
<td>-</td>
<td>none seen</td>
<td>-</td>
</tr>
<tr>
<td>April 1 – June 15 (late incubation and nestlings)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity</td>
<td>6/29/12</td>
<td>Good</td>
<td>-no activity-</td>
<td>- &amp; P+0</td>
<td>Prey capture + Perching</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>June 15 – July 31 (late nesting and fledging)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
IV. SUPPLEMENTAL NESTING INFORMATION (if known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of adult dispersal:</td>
</tr>
<tr>
<td>Date of egg laying:</td>
</tr>
<tr>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of hatching:</td>
</tr>
<tr>
<td>Banding data:</td>
</tr>
<tr>
<td>Date of fledging:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: incubation

Reason for failure: unknown

Nest Abandoned (Yes/No), date:

Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest)

Habitat Alterations (record type, extent, and proximity to nest) residential development - previous

Ongoing Disturbances (record type, extent, and proximity to nest) Osprey nest OSPR in bay, 3 residents on both sides.

Prepared by: Date: 7/17/12
Reviewed by: Date: 9/14/12
**I. ID**

Territory Name: Eddyville, Territory/Nest Number: 0710701

Observer Initial: LS, Reviewer Initial: DF

**II. SURVEY SUMMARY**

**Survey Code**
- [ ] (1) Not Checked
- [ ] (2) Not Located
- [ ] (3) No Initial Occupancy Determination
- [ ] (4) No Nesting Status Update
- [X] (5) Productivity Not Determined
- [X] (6) Complete Survey, Productivity Determined

**Status Code**
- [ ] (1) Unoccupied
- [ ] (2) Other Species
- [ ] (3) Single Adult
- [X] (4) Occupied
- [X] (5) Active
- [ ] (6) Unsuccessful
- [X] (7) Successful

**Nest Condition Code**
- [ ] (1) New
- [ ] (2) Good
- [X] (3) Fair
- [ ] (4) Poor
- [ ] (5) Nest Destroyed:

**Nesting Determination**
- [ ] (1) Status Unknown
- [ ] (2) Not Active
- [ ] (3) Nest Abandoned
- [ ] (4) Active, Not Successful
- [ ] (5) Active, Success Unknown
- [X] (6) Successful

**Number of Fledglings:** 2 young (at or near fledging age)

**III. SURVEY RESULTS**

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td>4/15/12</td>
<td>Fair</td>
<td>(debris)</td>
<td>AD fit to nest</td>
<td>Inc</td>
<td>1/3</td>
<td>3d</td>
</tr>
<tr>
<td>February 1 – March 31</td>
<td>4/15/12</td>
<td>Fair</td>
<td>[Aviola access plan]</td>
<td>&amp;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(pre-egg laying and early incubation)</td>
<td>6/6/12</td>
<td>Fair</td>
<td>Active</td>
<td>AD &amp; Young in nest</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### IV. SUPPLEMENTAL NESTING INFORMATION (if known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of egg laying:</th>
<th>Clutch size:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of hatching:</th>
<th>Date/Number of fledglings at dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of fledging:</th>
<th>Banding data:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure:

Reason for failure:

Nest Abandoned (Yes/No), date:

Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest):

Habitat Alterations (record type, extent, and proximity to nest):

Ongoing Disturbances (record type, extent, and proximity to nest):

Above residential area, between roads, near gravel road intersections

Prepared by: L. Siagis
Date: 7/20/12

Reviewed by: [Signature]
Date: 7/19/12
**SPokane River Hydroelectric Project (FERC Nos. 2545-091 and 12606-000)**  
**Bald Eagle Nest Monitoring Form**  
**2014**

### I. ID

- **Territory Name:** Falls Creek W  
- **Territory/Nest Number:** 0703702

### II. Survey Summary

- **Survey Code:**  
  - (1) Not Checked  
  - (2) Not Located  
  - (3) No Initial Occupancy Determination  
  - (4) No Nesting Status Update  
  - (5) Productivity Not Determined  
  - (6) Complete Survey, Productivity Determined

- **Status Code:**  
  - (1) Unoccupied  
  - (2) Other Species  
  - (3) Single Adult  
  - (4) Occupied  
  - (5) Active  
  - (6) Unsuccessful  
  - (7) Successful

- **Nest Condition Code:**  
  - (1) New  
  - (2) Good  
  - (3) Fair  
  - (4) Poor  
  - (5) Nest Destroyed: 0703702 - collapsed

- **Nesting Determination:**  
  - (1) Status Unknown  
  - (2) Not Active  
  - (3) Nest Abandoned  
  - (4) Active, Not Successful  
  - (5) Active, Success Unknown  
  - (6) Successful

- **Number of Fledglings:**  
  - young (at or near fledging age)

### III. Survey Results

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td>4/03/12</td>
<td>good</td>
<td>[ Anita's detailed notes ] 2 AD @ newest nest, Adulting</td>
<td>not visible</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>February 1 – March 31 (pre-egg laying and early incubation)</td>
<td>4/10/12</td>
<td>good</td>
<td>[Anita's detailed notes] 2 AD @ newest nest, Adulting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td>4/14/12</td>
<td>poor</td>
<td>[Anita's detailed notes] 2 AD @ nest, no activity seen back page</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>April 1 – June 15 (late incubation and nestlings)</td>
<td>6/6/12</td>
<td>good</td>
<td>[Anita's detailed notes] no activity, tree leaves have grown up around nest</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity</td>
<td>7/11/12</td>
<td>good</td>
<td>[Anita's detailed notes] no activity, nest, nestlings</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>June 15 – July 31 (late nesting and fledging)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**New Location:** left of nest. One on nest.

Falls Creek East (alt) not found by plane or earlier surveys.  
Can view from back road top. Old cottonwood split bee u 80' ~3' diam.
### IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

### V. NARRATIVE INFORMATION
Nesting attempt failed (Yes/No), date/nesting period of failure: **incubation**
Reason for failure: **unknown**

Nest Abandoned (Yes/No), date: ____________________________
Reason for abandonment: ____________________________

Disturbing Activities (record type, duration, and proximity to nest): Jet boat race 4/12/12, St. Maries to Caldwell and return - one day, with maybe a check run earlier. Times 10:00 am start, noon finish; Two hours
Habitat Alterations (record type, extent, and proximity to nest): ____________________________

Ongoing Disturbances (record type, extent, and proximity to nest): ____________________________

Prepared by: ____________________________ Date: 7/17/12
Reviewed by: ____________________________ Date: 9/18/12
I. ID
Territory Name: Hecumon Park  Territory/Nest Number: 07105702  Observer Initial: IS  Reviewer Initial: DF

II. SURVEY SUMMARY
Survey Code
☐ (1) Not Checked  ☐ (2) Not Located  ☐ (3) No Initial Occupancy Determination  ☐ (4) No Nesting Status Update  ☐ (5) Productivity Not Determined  ☒ (6) Complete Survey, Productivity Determined

Status Code
☐ (1) Unoccupied  ☐ (2) Other Species  ☐ (3) Single Adult  ☐ (4) Occupied  ☒ (5) Active  ☒ (6) Unsuccessful  ☐ (7) Successful

Nest Condition Code
☐ (1) New  ☒ (2) Good  ☐ (3) Fair  ☐ (4) Poor  ☐ (5) Nest Destroyed:________

Nesting Determination
☐ (1) Status Unknown  ☐ (2) Not Active  ☐ (3) Nest Abandoned  ☒ (4) Active, Not Successful  ☐ (5) Active, Success Unknown  ☐ (6) Successful

Number of Fledglings: X young (at or near fledging age)

III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>OBSERVATION PERIOD</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
</table>
| Initial Determination of Occupancy  
February 1 – March 31  
(pre-egg laying and early incubation) | wk  
(Ux - good)  
(Avista Review)  
(active) | AD | inc | |
| Update Nesting Status  
April 1 – June 15  
(late incubation and nestlings) | 4/3/12  
(Avista DSA Access)  
(Plan Review) | AD | inc | |
| 4/10/12  
(good)  
(active) | AD | inc | |
| Determine Productivity  
June 15 – July 31  
(late nestling and fledging) | 6/2/12  
(good)  
(?  
(2 Ad)  
(on branches)  
(not observed)  
(presumed active) | Ad  
(not observed)  
(untagged)  
(possibly hatching) | |
| 7/11/12  
(good)  
(5 active or 6 fledglings) |  
(5 active or 6 fledglings)  
(possible branch)  
(possibly hatched)  
(possibly active) | |

Park habitat personnel said 3 young fledged in 2011.
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of egg laying:</th>
<th>Clutch size:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of hatching:</th>
<th>Date/Number of fledglings at dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of fledging:</th>
<th>Banding data:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: **Incubation**
Reason for failure: **Unknown**

Nest Abandoned (Yes/No), date:
Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest)

Habitat Alterations (record type, extent, and proximity to nest)

Ongoing Disturbances (record type, extent, and proximity to nest)  
E1st road-50yds and trail-150yds  
§/2 not apparently influencing preening or perching

Prepared by: **J. Stragis**  
Date: **7/17/12**

Reviewed by: **J. Stragis**  
Date: **7/18/12**
**SPokane River Hydroelectric Project (FERC Nos. 2545-091 and 12606-000)**

**Bald Eagle Nest Monitoring Form**

**2012**

### I. Territory Name: Killarney Lake

**Territory Nest Number:** 07101702

**Observer Initial:** LS

**Reviewer Initial:** DA

### II. Survey Summary

**Survey Code:**
- [ ] (1) Not Checked
- [ ] (2) Not Located
- [ ] (3) No Initial Occupancy Determination
- [ ] (4) No Nesting Status Update
- [ ] (5) Productivity Not Determined
- [ ] (6) Complete Survey, Productivity Determined

**Status Code:**
- [x] (1) Unoccupied
- [ ] (2) Other Species
- [ ] (3) Single Adult
- [x] (4) Occupied
- [ ] (5) Active
- [ ] (6) Unsuccessful
- [x] (7) Successful

**Nest Condition Code:**
- [x] (1) New
- [x] (2) Good
- [ ] (3) Fair
- [ ] (4) Poor
- [ ] (5) Nest Destroyed:

**Nesting Determination:**
- [ ] (1) Status Unknown
- [ ] (2) Not Active
- [ ] (3) Nest Abandoned
- [ ] (4) Active, Not Successful
- [ ] (5) Active, Success Unknown
- [x] (6) Successful

**Number of Fledglings:** 2 young (at or near fledging age)

### III. Survey Results

4/5/12 Access Plan from Killarney Rd. Two nests—one on right—active AD, nest

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy February 1 – March 31 (pre-egg laying and early incubation)</td>
<td>4/5/12</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Update Nesting Status April 1 – June 15 (late incubation and nestlings)</td>
<td>4/10/12</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>2</td>
<td>16/16</td>
</tr>
<tr>
<td>Determine Productivity June 15 – July 31 (late nestling and fledging)</td>
<td>4/10/12</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>2</td>
<td>16/16</td>
</tr>
</tbody>
</table>
IV. SUPPLEMENTAL NESTING INFORMATION (if known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure:

Reason for failure:

Nest Abandoned (Yes/No), date:

Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest)

Habitat Alterations (record type, extent, and proximity to nest) - In April - there were numerous swan carcasses upstream 2.500 in bay N of access pt.

Ongoing Disturbances (record type, extent, and proximity to nest)

Prepared by: [Signature]  Date: 7/20/12
Reviewed by: [Signature]  Date: 9/10/12
**SPokane River Hydroelectric Project (FERC Nos. 2545-091 and 12505-000)**

**Bald Eagle Nest Monitoring Form**

**2012**

**I. ID**

Territory Name: Mica Bay  
Territory/Nest Number: 07105401  
Observer Initial:  
Reviewer Initial:  

**II. Survey Summary**

Survey Code

- [ ] (1) Not Checked  
- [ ] (2) Not Located  
- [ ] (3) No Initial Occupancy Determination  
- [ ] (4) No Nesting Status Update  
- [X] (5) Productivity Not Determined  
- [X] (6) Complete Survey, Productivity Determined  

Status Code

- [ ] (1) Unoccupied  
- [ ] (2) Other Species  
- [ ] (3) Single Adult  
- [X] (4) Occupied  
- [X] (5) Active  
- [X] (6) Unsuccessful  
- [X] (7) Successful

Nest Condition Code

- [X] (1) New  
- [ ] (2) Good  
- [ ] (3) Fair  
- [ ] (4) Poor  
- [ ] (5) Nest Destroyed:  

Nestling Determination

- [ ] (1) Status Unknown  
- [ ] (2) Not Active  
- [ ] (3) Nest Abandoned  
- [ ] (4) Active, Not Successful  
- [X] (5) Active, Success Unknown  
- [X] (6) Successful

Number of Fledglings: 2 young (at or near fledging age)

**III. Survey Results**

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td>W/K, good</td>
<td>[Avista Review]</td>
<td>AD</td>
<td>perched on snag near nest</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>February 1 – March 31 (pre-egg laying and early incubation plan)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td>4/3/12</td>
<td>Good, active</td>
<td>2 AD, frige</td>
<td>on nest</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>April 1 – June 15 (late incubation and nestlings)</td>
<td>4/10/12</td>
<td>Good, active</td>
<td>AD</td>
<td>INC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity</td>
<td>6/3/12</td>
<td>Good, active</td>
<td>AD on snag/ridge, perched</td>
<td></td>
<td></td>
<td>2</td>
<td>3d</td>
</tr>
<tr>
<td>June 15 – July 31 (late nesting and fledging)</td>
<td>7/11/12</td>
<td>Good, active</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>3d</td>
</tr>
</tbody>
</table>
SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure:

Reason for failure:

Nest Abandoned (Yes/No), date:

Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest):

Habitat Alterations (record type, extent, and proximity to nest) Existing established road 20-40 yards @ homes

Ongoing Disturbances (record type, extent, and proximity to nest) Residential use - seasonal - this year use noticed in July

Prepared by: L. Stagis Date: 7/17/12
Reviewed by: Date: 6/10/12
### BALD EAGLE NEST MONITORING FORM

#### Territory Name: Mission Slough F

#### Nest Number: 07101901

#### Observer Initial: LS

#### Reviewer Initial: [Signature]

### SURVEY SUMMARY

- **Survey Code**
  - (1) Not Checked
  - (2) Not Located
  - (3) No Initial Occupancy Determination
  - (4) No Nesting Status Update
  - (5) Productivity Not Determined
  - (6) Complete Survey, Productivity Determined

- **Status Code**
  - (1) Unoccupied
  - (2) Other Species
  - (3) Single Adult
  - (4) Occupied
  - (5) Active
  - (6) Unsuccessful
  - (7) Successful

- **Nest Condition Code**
  - (1) New
  - (2) Good
  - (3) Fair
  - (4) Poor
  - (5) Nest Destroyed:

- **Nestling Determination**
  - (1) Status Unknown
  - (2) Not Active
  - (3) Nest Abandoned
  - (4) Active, Not Successful
  - (5) Active, Success Unknown
  - (6) Successful

- **Number of Fledglings:** [Signature]

#### SURVEY RESULTS

4/5/12 went by ranchers, can't see nest

<table>
<thead>
<tr>
<th>OBSERVATION PERIOD</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy February 1 – March 31 (pre-egg laying and early incubation)</td>
<td>4/10/12</td>
<td>[Signature]</td>
<td>not found</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status April 1 – June 15 (late incubation and nestlings)</td>
<td>Rose Lake alt, occupied.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity June 15 – July 31 (late nestling and fledging)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Check Catbids Slough (pm Scott Gibbs) 7/20/12
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: ______________________________

Reason for failure: ____________________________________________________________

Nest Abandoned (Yes/No), date: ______________________________________________

Reason for abandonment: _______________________________________________________

Disturbing Activities (record type, duration, and proximity to nest)

________________________________________________________________________

Habitat Alterations (record type, extent, and proximity to nest)

________________________________________________________________________

Ongoing Disturbances (record type, extent, and proximity to nest)

________________________________________________________________________

Prepared by: ____________________________ Date: 7/17/12

Reviewed by: ____________________________ Date: 7/10/12
I. ID
Territory Name: Mission Slough / Rose Lake
Territory/Nest Number: 07101908
Observer Initial: LS
Reviewer Initial: DF

II. SURVEY SUMMARY
Survey Code
☐ (1) Not Checked ☐ (2) Not Located ☐ (3) No Initial Occupancy Determination ☐ (4) No Nesting Status Update ☐ (5) Productivity Not Determined
☐ (6) Complete Survey, Productivity Determined

Status Code
☐ (1) Unoccupied ☐ (2) Other Species ☐ (3) Single Adult ☐ (4) Occupied ☐ (5) Active ☐ (6) Unsuccessful ☐ (7) Successful

Nest Condition Code
☐ (1) New ☐ (2) Good ☐ (3) Fair ☐ (4) Poor ☐ (5) Nest Destroyed:

Nesting Determination
☐ (1) Status Unknown ☐ (2) Not Active ☐ (3) Nest Abandoned ☐ (4) Active, Not Successful ☐ (5) Active, Success Unknown ☐ (6) Successful

Number of Fledglings: young (at or near fledging age)

III. SURVEY RESULTS
Access Plan 4/5/12 AD standing not incubating @ nest

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy February 1 – March 31 (pre-egg laying and early incubation)</td>
<td>UNK, good</td>
<td></td>
<td>AD</td>
<td>near</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status April 1 – June 15 (late incubation and nestlings)</td>
<td>4/5/12 good</td>
<td>[Aurora Review]</td>
<td>AD</td>
<td>Distant nest</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4/10/12 good active</td>
<td></td>
<td>2(?) nestling(s)</td>
<td></td>
<td></td>
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<tr>
<td>Determine Productivity June 15 – July 31 (late nesting and fledging)</td>
<td>6/11 good</td>
<td></td>
<td></td>
<td></td>
<td>2(?) nestling(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7/20/12 good</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7/25/12 landowner hi s, show caused young</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: **Late snow - check date, 4th**
Reason for failure:

Nest Abandoned (Yes/No), date:
Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest)

Habitat Alterations (record type, extent, and proximity to nest) **residential**

Ongoing Disturbances (record type, extent, and proximity to nest)

Prepared by: **Shagis**

Reviewed by: **[Signature]**

Date: **9/12/12**
III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>OBSERVATION PERIOD</th>
<th>Date</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>February 1 – March 31 (pre-egg laying and early incubation)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td>4/3/12</td>
<td>good</td>
<td>active/</td>
<td>AD</td>
<td>inc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>April 1 – June 15 (late incubation and nestlings)</td>
<td>4/10</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>4(wk)</td>
<td>nestling?</td>
</tr>
<tr>
<td>Determine Productivity</td>
<td>6/2/12</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>brood</td>
<td>1(?) 30d</td>
<td></td>
</tr>
<tr>
<td>June 15 – July 31 (late nestling and fledging)</td>
<td>7/3/12</td>
<td>good</td>
<td>active</td>
<td>2+AP 20y west &amp; upstr</td>
<td>1</td>
<td>3d</td>
<td></td>
</tr>
</tbody>
</table>
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of egg laying:</th>
<th>Clutch size:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of hatching:</th>
<th>Date/Number of fledglings at dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of fledging:</th>
<th>Banding data:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: ____________________________
Reason for failure: ____________________________________________________________________

Nest Abandoned (Yes/No), date: ___________________________________________________________________
Reason for abandonment: _______________________________________________________________________

Disturbing Activities (record type, duration, and proximity to nest) Osprey nest 2 side of river ~800', 6/212 OSPRA Adult bringing food to nest first, ~1/2 hour, Osprey flew to Basta at nest, whom Basta was returning - directed Basta to perch tree

Habitat Alterations (record type, extent, and proximity to nest) ~New

Ongoing Disturbances (record type, extent, and proximity to nest) Osprey feeding/dam operations

Prepared by: L. Stagis  Date: 7/17/12
Reviewed by:  Date: 7/18/12
### I. ID

Territory Name: Rainy Hill North
Territory Nester Number: 0710 7402

Observer Initial: JS
Reviewer Initial: DA

### II. SURVEY SUMMARY

- **Survey Code**
  - (1) Not Checked
  - (2) Not Located
  - (3) No Initial Occupancy Determination
  - (4) No Nesting Status Update
  - (5) Productivity Not Determined
  - (6) Complete Survey, Productivity Determined

- **Status Code**
  - (1) Unoccupied
  - (2) Other Species
  - (3) Single Adult
  - (4) Occupied
  - (5) Active
  - (6) Unsuccessful
  - (7) Successful

- **Nest Condition Code**
  - (1) New
  - (2) Good
  - (3) Fair
  - (4) Poor
  - (5) Nest Destroyed

- **Nesting Determination**
  - (1) Status Unknown
  - (2) Not Active
  - (3) Nest Abandoned
  - (4) Active, Not Successful
  - (5) Active, Success Unknown
  - (6) Successful

Number of Fledglings: **UNK** young (at or near fledging age)

### III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td>2/22/15</td>
<td>good</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>February 1 – March 31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(pre-egg laying and early incubation)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td>4/5/12</td>
<td>good</td>
<td>Goose on nest - ghost</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>April 1 – June 15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(late incubation and nestlings)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4/10/12</td>
<td>new nest location</td>
<td>1 AD</td>
<td>standing @ nest</td>
<td>2/3 eggs</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4/15/2</td>
<td>aerial</td>
<td>active</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity</td>
<td>4/25/2</td>
<td>good</td>
<td>activity</td>
<td>1 AD</td>
<td>perched @ nest</td>
<td></td>
<td></td>
</tr>
<tr>
<td>June 15 – July 31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(late nesting and fledging)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6/11/2</td>
<td>good</td>
<td>looks maintained</td>
<td>4 ad.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7/15/2</td>
<td>good</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: ____________________
Reason for failure: ________________________________________________________________

Nest Abandoned (Yes/No), date: ____________________
Reason for abandonment: ____________________________________________________________
Disturbing Activities (record type, duration, and proximity to nest)
______________________________________________________________________________
Habitat Alterations (record type, extent, and proximity to nest)
______________________________________________________________________________
Ongoing Disturbances (record type, extent, and proximity to nest)
______________________________________________________________________________

Prepared by: ____________________ Date: 7/17/12
Reviewed by: ____________________ Date: 7/18/12
**SPokane River Hydroelectric Project (FERC Nos. 2545-091 and 12606-000)**

**Bald Eagle Nest Monitoring Form**

**2012**

| Territory Nest Number: 07104301 | Observer Initial: L | Reviewer Initial: F |

**I. ID**

**II. SURVEY SUMMARY**

- **Survey Code**
  - (1) Not Checked  
  - (2) Not Located  
  - (3) No Initial Occupancy Determination  
  - (4) No Nesting Status Update  
  - (5) Productivity Not Determined  
  - (6) Complete Survey, Productivity Determined

- **Status Code**
  - (1) Unoccupied  
  - (2) Other Species  
  - (3) Single Adult  
  - (4) Occupied  
  - (5) Active  
  - (6) Unsuccessful  
  - (7) Successful

- **Nest Condition Code**
  - (1) New  
  - (2) Good  
  - (3) Fair  
  - (4) Poor  
  - (5) Nest Destroyed:

- **Nesting Determination**
  - (1) Status Unknown  
  - (2) Not Active  
  - (3) Nest Abandoned  
  - (4) Active, Not Successful  
  - (5) Active, Success Unknown  
  - (6) Successful

- **Number of Fledglings:** 1 young (at or near fledging age)

**III. SURVEY RESULTS**

<table>
<thead>
<tr>
<th>Date</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
</table>
| Initial Determination of Occupancy  
February 1 – March 31  
(pre-egg laying and early incubation)  

<table>
<thead>
<tr>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
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</thead>
<tbody>
<tr>
<td>4/03/12</td>
<td>Active</td>
<td>AD</td>
<td>inc</td>
<td></td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

| Update Nesting Status  
April 1 – June 15  
(late incubation and nestlings)  

<table>
<thead>
<tr>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/10/12</td>
<td>good active</td>
<td>φ</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>6/4/12</td>
<td>good active</td>
<td>φ</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

| Determine Productivity  
June 15 – July 31  
(late nestling and fledging)  

<table>
<thead>
<tr>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/4/12</td>
<td>good active</td>
<td>foliage dense φ</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>7/11/12</td>
<td>good active</td>
<td>foliage dense φ</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
IV. SUPPLEMENTAL NESTING INFORMATION (if known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Date of egg laying:</th>
<th>Clutch size:</th>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Date of hatching:</th>
<th>Date/Number of fledglings at dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of fledging:</th>
<th>Banding data:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure:________________________

Reason for failure:_________________________________________________________________
_________________________________________________________________________________

Nest Abandoned (Yes/No), date:________________________

Reason for abandonment:________________________________________________________________
_________________________________________________________________________________

Disturbing Activities (record type, duration, and proximity to nest)____________________
_________________________________________________________________________________

Habitat Alterations (record type, extent, and proximity to nest)_______________________
_________________________________________________________________________________

Ongoing Disturbances (record type, extent, and proximity to nest)______________________
_________________________________________________________________________________

Prepared by: ________________________  Date: 7/7/12

Reviewed by: ________________________  Date: 9/18/12
I. ID
Territory Name: Swan Lake Territory/Nest Number: 07162002 Observer Initial: LS Reviewer Initial: 

II. SURVEY SUMMARY
Survey Code
- (1) Not Checked
- (2) Not Located
- (3) No Initial Occupancy Determination
- (4) No Nesting Status Update
- (5) Productivity Not Determined
- (6) Complete Survey, Productivity Determined

Status Code
- (1) Unoccupied
- (2) Other Species
- (3) Single Adult
- (4) Occupied
- (5) Active
- (6) Unsuccessful
- (7) Successful

Nest Condition Code
- (1) New
- (2) Good
- (3) Fair
- (4) Poor
- (5) Nest Destroyed

Nesting Determination
- (1) Status Unknown
- (2) Not Active
- (3) Nest Abandoned
- (4) Active, Not Successful
- (5) Active, Success Unknown
- (6) Successful

Number of Fledglings: 2 young (at or near fledging age)

III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>OBSERVATION PERIOD</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td>3/15/12</td>
<td>Good</td>
<td>Rusta present</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>February 1 – March 31 (pre-egg laying and early incubation)</td>
<td>4/5/12</td>
<td>Good</td>
<td>Rusta Dick Access Plan</td>
<td>AD</td>
<td>Perched on tree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>April 1 – June 15 (late incubation and nestlings)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity</td>
<td>6/12/12</td>
<td>Good</td>
<td>Nest visible some up</td>
<td>AD FY</td>
<td>Not visible / nestlings?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>June 15 – July 31 (late nestling and fledging)</td>
<td>7/12/17</td>
<td>Poor</td>
<td>Nest half collapsed</td>
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<td></td>
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</tbody>
</table>

Note: Observations indicate that the nest was partially collapsed and the fledglings were not visible.
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: ____________________________
Reason for failure: ____________________________

Nest Abandoned (Yes/No), date: ____________________________
Reason for abandonment: ____________________________

Disturbing Activities (record type, duration, and proximity to nest)

Habitat Alterations (record type, extent, and proximity to nest)

Ongoing Disturbances (record type, extent, and proximity to nest)

Prepared by: ____________________________ Date: 7/7/12
Reviewed by: ____________________________ Date: 9/10/12
SPokane River Hydroelectric Project (FERC Nos. 2545-091 and 12606-000)
Bald Eagle Nest Monitoring Form
2012

I. ID
Territory Name: Turner Bay
Territory/Nest Number: 07106603 07106602 07106601
Observer Initial: LS Reviewer Initial: 

II. SURVEY SUMMARY
Survey Code
☐ (1) Not Checked ☐ (2) Not Located ☐ (3) No Initial Occupancy Determination ☐ (4) No Nesting Status Update ☐ (5) Productivity Not Determined
☒ (6) Complete Survey, Productivity Determined

Status Code
☐ (1) Unoccupied ☐ (2) Other Species ☐ (3) Single Adult ☐ (4) Occupied ☒ (5) Active ☐ (6) Unsuccessful ☒ (7) Successful

Nest Condition Code
☐ (1) New ☒ (2) Good ☐ (3) Fair ☐ (4) Poor
[☐ (5) Nest Destroyed; earlier nests collapsed]

Nesting Determination
☐ (1) Status Unknown ☐ (2) Not Active ☐ (3) Nest Abandoned ☐ (4) Active, Not Successful ☐ (5) Active, Success Unknown ☒ (6) Successful

Number of Fledglings: 2 young (at or near fledging age)

III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>OBSERVATION PERIOD</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy February 1 – March 31 (pre-egg laying and early incubation)</td>
<td>wk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>unc</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Update Nesting Status April 1 – June 15 (late incubation and nestlings)</td>
<td>4/5/12</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>☒ 4/25/12</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
<td>—</td>
<td>2</td>
</tr>
<tr>
<td>Determine Productivity June 15 – July 31 (late nestling and fledging)</td>
<td>7/20</td>
<td>good</td>
<td>ef</td>
<td>9</td>
<td>—</td>
<td>—</td>
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</tr>
</tbody>
</table>

[Avista Review] [Avista D94 Access Plan]
IV. SUPPLEMENTAL NESTING INFORMATION (if known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of egg laying:</th>
<th>Clutch size:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of hatching:</th>
<th>Date of fledging:</th>
<th>Banding data:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure:

Reason for failure:

Nest Abandoned (Yes/No), date:
Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest)

Habitat Alterations (record type, extent, and proximity to nest)

Ongoing Disturbances (record type, extent, and proximity to nest)

Prepared by: L. Stragus  Date: 7/30/12
Reviewed by:  Date: 7/18/12
SPOKANE RIVER HYDROELECTRIC PROJECT (FERC Nos. 2545-091 and 12606-000)
BALD EAGLE NEST MONITORING FORM
2019

I. ID
Territory Name: Turtle Lake Territory/Nest Number: 071021412 Observer Initial: LS Reviewer Initial: AF

II. SURVEY SUMMARY
Survey Code
- (1) Not Checked
- (2) Not Located
- (3) No Initial Occupancy Determination
- (4) No Nesting Status Update
- (5) Productivity Not Determined
- (6) Complete Survey, Productivity Determined

Status Code
- (1) Unoccupied
- (2) Other Species
- (3) Single Adult
- (4) Occupied
- (5) Active
- (6) Unsuccessful
- (7) Successful

Nest Condition Code
- (1) New
- (2) Good
- (3) Fair
- (4) Poor
- (5) Nest Destroyed:

Nesting Determination
- (1) Status Unknown
- (2) Not Active
- (3) Nest Abandoned
- (4) Active, Not Successful
- (5) Active, Success Unknown
- (6) Successful

Number of Fledglings: 0 young (at or near fledging age)

III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td></td>
<td></td>
<td>[Avista Review] AD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>February 1 – March 31 (pre-egg laying and early incubation)</td>
<td>4/12/21 to 4/30</td>
<td>good</td>
<td>active [Avista DSA Access Plan #10]</td>
<td>AD</td>
<td>Inc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>April 1 – June 15 (late incubation and nestlings)</td>
<td>4/11/21 to 4/14</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>Inc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>June 15 – July 31 (late nesting and fledging)</td>
<td>6/1/21 to 7/12</td>
<td>good</td>
<td>no activity</td>
<td>AD</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: **incubation**

Reason for failure: **unknown**

Nest Abandoned (Yes/No), date:

Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest): **boat race 4/14 am**

Habitat Alterations (record type, extent, and proximity to nest):

Ongoing Disturbances (record type, extent, and proximity to nest): **Ranching + residence nearby**

Prepared by: **L. Strays**

Reviewed by: **[Signature]**

Date: **7/17/12**
### SPOKANE RIVER HYDROELECTRIC PROJECT (FERC Nos. 2545-091 and 12606-000)

**BALD EAGLE NEST MONITORING FORM**

**2012**

**I. ID**

Territory Name: **Windy Bay**

Territory/Nest Number: **88100102**

Observer Initial: **LS**

Reviewer Initial: **DF**

**II. SURVEY SUMMARY**

**Survey Code**

- **☐ (1) Not Checked**
- **☐ (2) Not Located**
- **☐ (3) No Initial Occupancy Determination**
- **☐ (4) No Nesting Status Update**
- **☒ (5) Productivity Not Determined**
- **☒ (6) Complete Survey, Productivity Determined**

**Status Code**

- **☐ (1) Unoccupied**
- **☐ (2) Other Species**
- **☐ (3) Single Adult**
- **☐ (4) Occupied**
- **☒ (5) Active**
- **☐ (6) Unsuccessful**
- **☒ (7) Successful**

**Nest Condition Code**

- **☒ (1) New**
- **☒ (2) Good**
- **☐ (3) Fair**
- **☐ (4) Poor**
- **☐ (5) Nest Destroyed**

**Nesting Determination**

- **☐ (1) Status Unknown**
- **☐ (2) Not Active**
- **☐ (3) Nest Abandoned**
- **☐ (4) Active, Not Successful**
- **☐ (5) Active, Success Unknown**
- **☒ (6) Successful**

Number of Fledglings: **1** young (at or near fledging age)

### III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>OBSERVATION PERIOD</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td>4/10/12</td>
<td>good</td>
<td>—</td>
<td>AP</td>
<td>Inc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(pre-egg laying and early incubation)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td>4/9/12</td>
<td>good</td>
<td>active, feeding yng 240, or 41 songs</td>
<td>EFV + brooding</td>
<td>1 (&lt;7)</td>
<td>30/6</td>
<td></td>
</tr>
<tr>
<td>(late incubation and nestlings)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity</td>
<td>7/2/12</td>
<td>good</td>
<td>active</td>
<td></td>
<td></td>
<td></td>
<td>3d</td>
</tr>
<tr>
<td>(late nesting and fledging)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*finishing check on right*
IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: ____________________________

Reason for failure: ____________________________________________________________

Nest Abandoned (Yes/No), date: ___________________

Reason for abandonment: _______________________________________________________

Disturbing Activities (record type, duration, and proximity to nest): ________________

Habitat Alterations (record type, extent, and proximity to nest): ________________

Ongoing Disturbances (record type, extent, and proximity to nest): ________________

Prepared by: ____________________________ Date: 7/17/12

Reviewed by: ____________________________ Date: 9/10/12
I. ID
   Territory Name: Charles Maps  Territory/Nest Number: 63054 (north)  Observer Initial: LS  Reviewer Initial: DA

II. SURVEY SUMMARY
   Survey Code
   □ (1) Not Checked  □ (2) Not Located  □ (3) No Initial Occupancy Determination  □ (4) No Nesting Status Update  □ (5) Productivity Not Determined
   □ (6) Complete Survey, Productivity Determined
   Status Code
   □ (1) Unoccupied  □ (2) Other Species  □ (3) Single Adult  □ (4) Occupied  □ (5) Active  □ (6) Unsuccessful  □ (7) Successful
   Nest Condition Code
   □ (1) New  □ (2) Good  □ (3) Fair  □ (4) Poor  □ (5) Nest Destroyed:

   Nesting Determination
   □ (1) Status Unknown  □ (2) Not Active  □ (3) Nest Abandoned  □ (4) Active, Not Successful  □ (5) Active, Success Unknown  □ (6) Successful
   Number of Fledglings: ___ young (at or near fledging age)

III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date/Time</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence/ Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
</table>
| Initial Determination of Occupancy
  February 1 – March 31
  (pre-egg laying and early incubation) | 2/22/12   | not found      |                                       |                          |                             |                |              |
| Update Nesting Status
  April 1 – June 15
  (late incubation and nestlings) | 4/12/12   | good           | complete AD on nest 1c                 | umic nestling?           |                             |                |              |
|                         | 5/22/12   | good           | active 2AD on nest Peach/bronco      | 1(?) 1-2b                |                             |                |              |
|                         | 6/2/12    | reported injured ad. found near 9mile Vet hospital |                           |                          |                             |                |              |
| Determine Productivity
  June 15 – July 31
  (late nestling and fledging) | 7/2/12    | good           | active 8/19/12 partial nest 1 3d  |                          |                             |                |              |
### IV. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

### V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure:

Reason for failure:

Nest Abandoned (Yes/No), date:

Reason for abandonment:

Disturbing Activities (record type, duration, and proximity to nest) *(Ad found injured along 9 mile road 6/2/12)*

see previous section.

Habitat Alterations (record type, extent, and proximity to nest)

Ongoing Disturbances (record type, extent, and proximity to nest) *Park & residential development*

---

Prepared by: L. Stragis  
Date: 7/17/12

Reviewed by:  
Date: 7/18/12
SPokane RIVER HYDROELECTRIC PROJECT (FERC Nos. 2545-091 and 12606-000)
Bald Eagle Nest Monitoring Form
2012

I. ID
Territory Name: Long Lake S Territory/Nest Number: 62209
Observer Initial: LS Reviewer Initial: [Signature]

II. SURVEY SUMMARY
Survey Code
☐ (1) Not Checked ☐ (2) Not Located ☐ (3) No Initial Occupancy Determination ☐ (4) No Nesting Status Update ☐ (5) Productivity Not Determined
☒ (6) Complete Survey, Productivity Determined

Status Code
☐ (1) Unoccupied ☐ (2) Other Species ☐ (3) Single Adult ☐ (4) Occupied ☒ (5) Active ☐ (6) Unsuccessful ☒ (7) Successful

Nest Condition Code
☒ (1) New ☒ (2) Good ☐ (3) Fair ☐ (4) Poor ☒ (5) Nest Destroyed: 62207-62208 collapsed

Nesting Determination
☐ (1) Status Unknown ☐ (2) Not Active ☐ (3) Nest Abandoned ☐ (4) Active, Not Successful ☦ (5) Active, Success Unknown ☒ (6) Successful

Number of Fledglings: 2 young (at or near fledging age)

III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>Observation Period</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
<th>Adult Presence / Behavior</th>
<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy February 1 – March 31 (pre-egg laying and early incubation)</td>
<td>2/21/12</td>
<td>not-found</td>
<td>Austin Review</td>
<td>2AD</td>
<td>PER in snag</td>
<td>2 PER in snag</td>
<td>2 fledged</td>
</tr>
<tr>
<td></td>
<td>3/8/12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Nesting Status April 1 – June 15 (late incubation and nestlings)</td>
<td>5/20/12</td>
<td>not-found</td>
<td></td>
<td></td>
<td></td>
<td>2 fledged</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5/27/12</td>
<td>good</td>
<td>now/active</td>
<td>2AD</td>
<td>PER</td>
<td>2 fledged</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6/7/12</td>
<td>good</td>
<td>active</td>
<td>2AD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6/27</td>
<td>bad</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>6/12</td>
<td>bad</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determine Productivity June 15 – July 31 (late nestling and fledging)</td>
<td>6/24</td>
<td>poor/destroyed</td>
<td></td>
<td></td>
<td></td>
<td>2 fledged</td>
<td></td>
</tr>
</tbody>
</table>

See territory investigation - new nest location - see nest forms
IV. SUPPLEMENTAL NESTING INFORMATION (if known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

V. NARRATIVE INFORMATION

Nesting attempt failed (Yes/No), date/nesting period of failure: ____________________________
Reason for failure: ____________________________

Nest Abandoned (Yes/No), date: ____________________________
Reason for abandonment: ____________________________

Disturbing Activities (record type, duration, and proximity to nest) ____________________________

Habitat Alterations (record type, extent, and proximity to nest) ____________________________

Ongoing Disturbances (record type, extent, and proximity to nest) ____________________________

Prepared by: [Signature]  Date: 7/17/12
Reviewed by: [Signature]  Date: 7/17/12
I. ID
 Territory Name: *Whalen*
 Territory/Nest Number: *62978/73*
 Observer Initial: *S*
 Reviewer Initial: *F*

II. SURVEY SUMMARY

Survey Code
☐ (1) Not Checked ☐ (2) Not Located ☐ (3) No Initial Occupancy Determination ☐ (4) No Nesting Status Update ☐ (5) Productivity Not Determined
☒ (6) Complete Survey, Productivity Determined

Status Code
☐ (1) Unoccupied ☐ (2) Other Species ☐ (3) Single Adult ☐ (4) Occupied ☒ (5) Active ☐ (6) Unsuccessful ☐ (7) Successful

Nest Condition Code
☐ (1) New ☒ (2) Good ☐ (3) Fair ☐ (4) Poor ☐ (5) Nest Destroyed: __________________________

Nesting Determination
☐ (1) Status Unknown ☐ (2) Not Active ☐ (3) Nest Abandoned ☐ (4) Active, Not Successful ☐ (5) Active, Success Unknown ☒ (6) Successful

Number of Fledglings: **3** young (at or near fledging age)

III. SURVEY RESULTS

<table>
<thead>
<tr>
<th>OBSERVATION PERIOD</th>
<th>Date Checked</th>
<th>Nest Condition</th>
<th>Nesting Activity (construction etc.)</th>
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<th>Incubation/Brooding Posture</th>
<th>Number of Young</th>
<th>Stage of Young</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Determination of Occupancy</td>
<td>1/1/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
</tr>
<tr>
<td>February 1 – March 31 (pre-egg laying and early incubation)</td>
<td>2/21/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>3/1/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
</tr>
<tr>
<td>Update Nesting Status</td>
<td>3/20/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
</tr>
<tr>
<td>April 1 – June 15 (late incubation and nestlings)</td>
<td>4/8/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>5/1/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>5/17/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
</tr>
<tr>
<td>Determine Productivity</td>
<td>5/16/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>—</td>
</tr>
<tr>
<td>June 15 – July 31 (late nesting and fledging)</td>
<td>6/8/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>6/18/12</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>7/24</td>
<td>unk</td>
<td>good</td>
<td>active</td>
<td>AD</td>
<td>inc</td>
<td>3</td>
</tr>
</tbody>
</table>

See Territory Investigation sheets
iv. SUPPLEMENTAL NESTING INFORMATION (If known)

<table>
<thead>
<tr>
<th>Date of adult arrival:</th>
<th>Date of adult dispersal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of egg laying:</td>
<td>Clutch size:</td>
</tr>
<tr>
<td>Date of hatching:</td>
<td>Date/Number of fledglings at dispersal:</td>
</tr>
<tr>
<td>Date of fledging:</td>
<td>Banding data:</td>
</tr>
</tbody>
</table>

v. NARRATIVE INFORMATION

- Nesting attempt failed (Yes/No), date/nesting period of failure: ________________________________
- Reason for failure: ________________________________________________________________

- Nest Abandoned (Yes/No), date: ________________________________
- Reason for abandonment: ____________________________________________________________

- Disturbing Activities (record type, duration, and proximity to nest)
  ________________________________________________________________________________
  ________________________________________________________________________________

- Habitat Alterations (record type, extent, and proximity to nest)
  ________________________________________________________________________________
  ________________________________________________________________________________

- Ongoing Disturbances (record type, extent, and proximity to nest)
  ________________________________________________________________________________

Prepared by: ________________________________ Date: 7/17/12
Reviewed by: ________________________________ Date: 7/17/12
SPokane River Hydroelectric Project (FERC Nos. 2545-091 and 12606-000)
Raptor Nest Record

Species: BAFA

Territory name (if known): Falls Creek west

Territory/nest number (if known): 703703

Reported by: Anisha D. Nunez l. St. Pierre

Date: 4/10/12

Location: T 46N R LE Section 22 1/4 SE 1/4 SE

State: ID

County: Shoshone

Elevation: 2180

Aspect: 0 on flood plain

Lat/Lon: 47.314.694-116.316.226

Hydrologic unit: St. Joe River

Nest stratum: branches

Nest height (circle ft or m): 70' 10' from top

Position on slope: 100-200' from river

Nest condition: good

Tree species: Cottonwood

Tree height (circle ft or m): 80'

DBH (circle in or cm): 140'

Land ownership:

USGS Quad name: St. Joe

Directions to nest: West of previous nest

Comments: flew over 9/10/12 no adults, no eggs

earlier obs, both adults there see monitoring starts

Observer Initial: LS

Date: 6/7/12

Reviewer Initial: 22

Date: 9/18/12

**Attach locator map and photos showing nest site and nest**
SPOKANE RIVER HYDROELECTRIC PROJECT (FERC Nos. 2545-091 and 12606-000)
RAPTOR NEST RECORD

Species: RAIA

Territory name (if known): Long Lake South
Territory/nest number (if known): 62809

Reported by: L. Stagis Date: 4/17/12

Location: T 22N R 40E Section 22 1/4 NW 1/4

State: WA County: Spokane
Elevation: 2,000' Aspect: North

Lat/Lon: 47.826684, -117.748139 Hydrologic unit: Long Lake

Nest stratum: branches Nest height (circle or m): 100', 10' from top

Position on slope: ridge Nest condition: good

Tree species: Pine Tree height (circle or m): 100' DBH (circle in or cm): 30'

Land ownership: Anista

USGS Quad name: Long Lake

Directions to nest: Walk NW along ridge - view west to nest

Comments: End of Gray Street, off of Long Lake Rd / Devils Gap

Original nest collapsed in prior to 2011 nest season

Observer Initial: AS Date: 4/17/12 Reviewer Initial: Date: 9/18/12

**Attach locator map and photos showing nest site and nest**
Species: BSA 9A

Territory name (if known): Rainey Hill north

Territory/nest number (if known): 710740A

Reported by: Austa D. Amos, L. Stragis Date: 4/10/2012

Location: T 48 N  R 2 W  Section 23  ¼ NW  ¼ NW

State: ID  County: Kootenai

Elevation: 2,200  Aspect: north

Lat/Lon: 47°49’54.7" N, 116°56’32.8"

Hydrologic unit: CDA river

Nest stratum: branches  Nest height (circle one): near top

Position on slope: in stream  Nest condition: good

Tree species: Cottonwood live  Tree height (circle one): 80’  DBH (circle one): 30+

Land ownership:

USGS Quad name: Medimont

Directions to nest: Boat access from Medimont upstream past Schlepp.

Comments: 2012 - identified during aerial search.

1.7 miles north of 1st nest, which was occupied by a goose
2.8 miles south of Killanay nest

Observer Initial: AS  Date: 7/3/12  Reviewer Initial: DJ  Date: 7/18/12

**Attach locator map and photos showing nest site and nest**
SPokane river hydropower project (FERc nos. 2545-091 and 12506-000)
Raptor nest record

Species: Baza

Territory name (if known): Windy Ray South

Territory/nest number (if known): 800102

Reported by: IDEC  Date: 4/10/2012

Location: T 48N R 5W Section 30 1/4 NE 1/4 SE

State: ID  County: Kootenai

Elevation: 2200'  Aspect: northeast

Lat/Lon: 47.474638, -116.892299  Hydrologic unit: Lake CDA

Nest stratum: branches  Nest height (circle ft or m): 100+, ~10 feet from top

Position on slope: top of slope ~ 50m from shore  Nest condition: good

Tree species: White pine, live Tree height (circle ft or m): 120+ DBH (circle in or cm): 36+

Land ownership:

USGS Quad name: Worley

Directions to nest: Boat access @ Windy Ray

Comments: 2012 - first sighting by plane, AD incubating

Observer Initial: LS  Date: 6/18/12  Reviewer Initial:  Date: 5/18/12

**Attach locator map and photos showing nest site and nest**