

**FINAL Meeting Notes**  
**Lewis River License Implementation**  
**Terrestrial Coordination Committee (TCC) Meeting**  
**November 10, 2015**  
**Conference Call Only**

**TCC Participants Present: (6)**

Bill Richardson, RMEF  
 Kirk Naylor, PacifiCorp  
 Kendel Emmerson, PacifiCorp  
 Kim McCune, PacifiCorp  
 Peggy Miller, WDFW  
 Eric Holman, WDFW

**Calendar:**

December 9, 2015	TCC Meeting	Conference Call
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<b>Assignments from November 10, 2015</b>	<b>Status</b>
Emmerson: Change polygon color for old growth and mature.	
Emmerson: Resend the McKee Meadows Timber Harvest Area habitat analysis with additional column showing the combined total of all lands (non-WHMP and WHMP) for the combined NAC and PFA.	<b>Complete</b>

<b>Assignments from September 9, 2015</b>	<b>Status</b>
Emmerson: Nathan Reynolds (Cowlitz Indian Tribe) indicated he would like a copy of the McKee Meadow cultural survey.	<b>Pending</b>

<b>Parking Lot Item</b>	<b>Status</b>
Naylor: Review the SA/WHMP budget(s) as well as determine status and opportunity for coordination with John Cook (NCASI) and Lisa Shipley (Washington State University) doing the black-tail study and report back to the TCC.	<b>TBD</b>

**Review of Agenda and Finalize Meeting Notes**

Kirk Naylor (PacifiCorp) called the meeting to order at 9:15am. Naylor reviewed the agenda and asked the TCC if there were any changes/additions. No additional changes/additions were requested.

Naylor reviewed the October 14, 2015 meeting notes and assignments. The meeting notes were approved at 9:20 a.m. without change.

**Review Northern Goshawk Survey Memorandum**

Kendel Emmerson (PacifiCorp) provided a Memorandum titled, *Northern Goshawk Management on Lewis River Wildlife Habitat Management Land (WHMP)* and the Cover type mapping decision-making key as reference material in an email November 3, 2015 for TCC review and comment (**Attachment A**). The Speelyai Hatchery and McKee Meadows maps were revised since

the October TCC meetings to align with the above-referenced Memorandum. These maps and accompanying habitat analysis spreadsheet were sent to the TCC in an email November 9, 2015 ([Attachment B and C](#)). The maps and spreadsheets is all the information the TCC needs to work through the Decision Matrix (see page 5 of the Appendix A Memorandum) for both harvest areas.

**Speelyai Hatchery Proposed Harvest Northern Goshawk Habitat Analysis ([Attachment B](#))  
McKee Meadows Proposed Harvest Northern Goshawk Habitat Analysis ([Attachment C](#))**

Emmerson provided a comprehensive review of the Memorandum, maps and timber harvest area spreadsheet (see [Attachments B & C](#)) to assist with the TCCs review and understanding of the documents to include the following:

Emmerson began with the WHMP raptor goal and objectives and monitoring language that require raptor surveys. She noted that Objective A refers “to identify specific raptors”. She reviewed the TCC notes from 2005 and 2006 to see if specific raptors were ever defined. Unfortunately, it was not and most meetings focused on spotted owls and eagles in the meetings. She believed goshawks have been included as “specific raptor” because it is a state candidate species, has a protocol survey, and was surveyed under the Merwin Standard Operating Procedures (SOP) Raptor Management Plan.

She then noted that she included the text from a portion of the 2007 goshawk training notes that was germane to the current WHMP goshawk survey methods. This training was shortsighted in that it focused on timber harvest survey needs only. Since WHMP implementation many projects requiring limited tree removal or small areas to be cleared have been proposed that under current WHMP would require Broadcast Acoustical surveys. This memo was developed to provide criteria for determining appropriate survey methods for potential effects to nesting goshawks. Emmerson also explained the last paragraph in training text described a smaller timber harvest as 10.2 acres. The 10.2 acres relates to the size of the largest proposed 2008 timber harvest area and was not based on goshawk habitat needs.

She reviewed that goshawks are thought to be rare in western Washington and that neither the Merwin SOP or WHMP surveys have detected a goshawk in the Lewis River basin. This paragraph will be revised to include that Merwin SOP surveys extended 1500 feet beyond proposed project boundaries.

A habitat analysis will be conducted as needed to determine the effects of a project on available nesting goshawk habitat. This required the WHMP cover types to be categorized into the 3 habitat types: Suitable, Unsuitable, and Non-habitat. She explained that forested cover types are largely based on average diameter at breast height and some cover types, such Upland Mix, Upland Deciduous, Riparian Mix, and Riparian deciduous, may need to be ground-truth using the Northern Goshawk Home Range Habitat Characteristics in the Western Washington table on Page 9 and 10 of the memorandum.

Maps have been revised to align with the habitat analysis in the memorandum

- The center radius for Post-Fledging Family Area (PFA) and Nest Area Center (NAC) is timber harvest center (denoted as Center of Project).
- Includes the distance to Mature (M) and Old Growth (OG) stands (on WHMP lands only) is in the legend

### Habitat Analysis Spreadsheets

- Cover types are organized by suitable, non-suitable and non-habitat types.
- Non-WHMP lands have been provided as a reference only. This information is irrelevant to the decision matrix.
- Reservoir, highway, and No Vegetation Cover Type are categories not included the relicensing cover type study. They are included here as non-habitat.
- There is no difference in habitat acres between the pre and post-harvest acres on WHMP lands in the PFA in the Speelyai Hatchery and McKee Meadows harvest. Although this is redundant for these examples, Emmerson created these spreadsheets to be a template for any project. Some projects vegetation removal area may include both the NAC and PFA. The numbers in **red** on the vegetation cover type spreadsheet provide the answer to 5e in the decision matrix (see below).
- The numbers in **green** on the vegetation cover type spreadsheet provide the answer to 5d in the decision matrix (see below).

Decision Matrix excerpt from Memorandum provided below:

1. Is the project $\geq$ 9.88 acres in size and includes suitable goshawk habitat cover types?		Yes	Broadcast Acoustical Survey
		No	Go to question 2
2. Does area include any portion of a M or OG cover type?		Yes	Go to 4
		No	Go to 3
3. Is the project within 1570.6 ft., and not separated by the reservoir, of a known goshawk nest tree or M or OG cover type?		Yes	Go to 4
		No	Go to 5
<b>4. For projects that are potentially within a nest area cluster (NAC)</b>			
a.	Does the project require the removal or adverse modification of habitat in a M or OG cover type?	Yes	Broadcast Acoustical Survey
		No	Go to 4b.
b.	Is the project $\geq$ than 350 m (1148.3 ft.) from a known goshawk nest tree or M or OG cover type?	Yes	Go to 4c.
		No	Broadcast Acoustical Survey
c.	Does project require the removal of any conifer tree $\geq$ 21 in dbh?	Yes	Intensive Search Survey
		No	Go to 4d.
d.	Will the activity be occurring between March 1 and August 31	Yes	Intensive Search Survey
		No	No survey required
<b>5. For projects that are potentially within post-fledgling family area (PFA)</b>			
a.	Is habitat modification area $<$ 2 acres in size and 200 feet in width?	Yes	Go to 5b.
		No	Go to 5d.
b.	Does project require the removal of any conifer tree greater than 21 in dbh?	Yes	Intensive Search Survey
		No	Go to 5c.
c.	Will the activity be occurring between March 1 and August 31?	Yes	Intensive Search Survey
		No	No survey required
d.	Complete habitat analysis as described. Will the WHMP lands within the NAC and PFA be $>$ 10% unsuitable habitat after the project is completed?	Yes	Go to 5e.
		No	Intensive Search Survey
e.	After the project is complete will the % suitable habitat on WHMP lands within the NAC and PFA be decreased by more than 1%?	Yes	Go to 5f.
		No	Intensive Search Survey
f.	Does project require the removal of any conifer trees greater than 21 in dbh?	Yes	Broadcast Acoustical Survey
		No	Intensive Search Survey

Based on the matrix Speelyai Hatchery timber harvest would require Intensive Search Survey:

1. Timber harvest is less than 9.88 acres
  2. Timber harvest does not include M or OG cover types
  3. Timber harvest would be within the NAC because it is less than 1570.6 feet from a M stand
  - 4a. Timber harvest does not remove or have adverse modification of any OG or M cover type
  - 4b. Timber harvest is greater than 1148.3 feet from a goshawk nest or M or OG stand
  - 4c. Timber harvest does require the removal of conifer trees  $\geq 21$  in. dbh
- = Intensive Search Survey**

Based on the matrix McKee Meadows timber harvest would require Intensive Search Survey:

1. Timber harvest is less than 9.88 acres
  2. Timber harvest does not include M or OG cover types
  3. Timber harvest would be within the PFA because it is greater than 1570.6 feet from a M or OF cover type
  - 5a. Timber harvest is greater than 2 acres in size
  - 5d. Timber harvest will exceed 10% unsuitable habitat in the combined NAC and PFA pre- and post-harvest. See attachment C habitat analysis red numbers in the bottom right corner.
  - 5e. Post-harvest change in suitable habitat in the combined NAC and PFA will be decreased by more than 1 percent. See attachment C habitat analysis green numbers in the bottom right corner.
  - 5f. Timber harvest does not require the removal of conifer trees  $\geq 21$  in. dbh
- = Intensive Search Survey**

Emmerson reviewed in detail the following survey methods and provided examples as to when a particular survey method was appropriate (see page 6 & 7 of the Memorandum for greater detail). Emmerson also noted that Dawn Acoustical would only be implemented at known goshawk nest sites. The level of effort for implementing an Intensive Search Survey is about 1/5 the effort to complete a Broadcast Acoustical Survey.

**All TCC comments are due via email on or before Wednesday, December 9, 2015. If no additional comments are received the December TCC meeting will be cancelled.**

PacifiCorp will include in the final Memorandum the TCC comments, if any, and intent of any surveys needed in future annual WHMP plans.

*<10:15 a.m. meeting adjourned>*

#### **Agenda items for December 9, 2015**

- November 10, 2015 Meeting Notes
- Review Goshawk memorandum comments, if any

#### **Next Scheduled Meetings**

December 9, 2015
Conference Call Only

**Attachments:**

- November 10, 2015 Meeting Agenda
- **Attachment A** - Northern Goshawk Management on Lewis River Wildlife Habitat Management Land , dated November 3, 2015
- **Attachment B** – Speelyai Hatchery Proposed Harvest Northern Goshawk Habitat Analysis spreadsheet and map
- **Attachment C** - McKee Meadows Proposed Harvest Northern Goshawk Habitat Analysis spreadsheet and map