

## Attachment 4: September 2019 CONCEPTUAL DRAFT FOR DISCUSSION PURPOSES ONLY

The following conceptual biological goals and objectives are the result of four working meetings of the Scoping Team where the group collectively drafted the concepts that will guide the Western Oregon State Forest HCP conservation strategy. The Steering Committee was briefed on the process, and provided input on this table on August 29, 2019. These goals and objectives are a work in progress and will be refined as the details of the conservation strategy, including the conservation actions deployed to achieve the objectives, are determined. When reviewing the goals and objectives in Table 5-1 please note the following definitions of terms:

**Conserve:** To protect from harm and destruction.

**Maintain:** Active management that avoids the degradation of habitat value that enables a habitat condition to continue.

**Enhance:** Actions implemented in suitable habitat for a covered species that improve quality of certain habitat condition.

**Table 5-1. Conceptual Biological Goals and Objectives for the Western Oregon State Forests HCP**

<b>Covered Fish</b>
<b>Oregon Coast Coho, Lower Columbia River Coho, Lower Columbia Chinook, Columbia River Chum, Upper Willamette River Steelhead and Upper Willamette River Chinook, Southern Oregon/Northern California Coast Coho, and Eulachon</b>
<b>Goal 1: Support the persistence of Oregon Coast Coho, Lower Columbia River Coho, Lower Columbia Chinook, Columbia River Chum, Upper Willamette River Steelhead and Upper Willamette River Chinook, Southern Oregon/Northern California Coast Coho, and Eulachon in the permit area by maintaining and enhancing habitat in streams within covered species distribution, which will also provide climate change resiliency.</b>
Objective 1.1: Conserve, maintain, and enhance riparian conditions that promote long-term wood recruitment in streams as measured by three sets of metrics: a) riparian forest metrics (stand basal area, DBH, height, species composition, age, downed wood), b) wood volume on unstable slopes that have potential to deliver to streams, and c) long-term trend counts of in-stream large wood (key pieces, size, frequency). See Table XX for objectives for each population.
Objective 1.2: Conserve, maintain and enhance overall stream channel complexity through targeted stream enhancement projects to address limiting factors for covered fish.
Objective 1.3: Maintain and enhance water quality and quantity conditions most important to covered fish as measured by temperature, fine sediments in riffles, and summer low flow. See Table XX for objectives for each population.
Objective 1.4. Enhance or maintain fish passage to suitable spawning and rearing habitat by removing or modifying artificial barriers during the course of routine construction or maintenance work. See Table XX for objectives for each population.
<b>Covered Amphibians</b>
<b>Columbia Torrent Salamander</b>
<b>Goal 2: Support the persistence of Columbia torrent salamanders in the Clatsop and Tillamook State Forests.</b>
Objective 2.1. Conserve, maintain, and enhance at least XX acres of riparian habitat around XX stream miles in locations where Columbia torrent salamanders are likely to persist (high gradient perennial streams with an adequate supply of downed wood, water temperatures in the range of xx, and access to moist adjacent forests).
Objective 2.2. Retain habitat in harvest units by leaving at least XX trees/acre in harvested stands where Columbia torrent salamander habitat is likely to occur.
<b>Cascade Torrent Salamander</b>
<b>Goal 3: Support the persistence of Cascade torrent salamanders in the Santiam State Forest</b>

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Objective 3.1. Conserve, maintain, and enhance at least XX acres of riparian habitat around XX stream miles in locations where Cascade torrent salamander are likely to persist (high gradient perennial streams with an adequate supply of downed wood, water temperatures in the range of XX, and access to moist adjacent forests).
Objective 3.2. Retain habitat in harvest units by leaving at least XX trees/acre in harvested stands where Cascade torrent salamander habitat is likely to occur.
<b>Oregon Slender Salamander</b>
<b>Goal 4. Support the persistence of Oregon slender salamander in the Santiam State Forest</b>
Objective 4.1. Conserve, maintain and enhance XX% of (or acres of) occupied or suitable Oregon slender salamander.
Objective 4.2. Ensure supply of decayed downed wood, snags, and trees larger than 20 inches DBH in harvested stands in Oregon slender salamander habita .
<b>Covered Birds</b>
<b>Northern Spotted Owl</b>
<b>Goal 5. Support the persistence of northern spotted owl in the permit area.</b>
Objective 5.1. Conserve, maintain, and enhance at least XX acres of existing northern spotted owl nesting, roosting, and foraging habitat.
Objective 5.2. Maintain sufficient quality, quantity, and configuration of dispersal habitat to connect protected nesting and roosting habitat.
Objective 5.3. Increase the quantity of nesting, roosting, and foraging habitat by at least XX acres.
<b>Marbled Murrelet</b>
<b>Goal 6. Support the persistence of marbled murrelet in the permit area.</b>
Objective 6.1. Conserve, maintain, and enhance at least XX acres of habitat that is either known to be occupied or is otherwise suitable nesting habitat.
Objective 6.2. Increase the quantity of nesting habitat by at least XX acres in locations that increase interior forest and minimize hard edge effects.
<b>Covered Mammals</b>
<b>Red Tree Vole (North Oregon Coast DPS)</b>
<b>Goal 7. Support the persistence of red tree vole in the permit area.</b>
Objective 7.1. Conserve, maintain, and enhance at least XX acres of currently occupied red tree vole habitat.
Objective 7.2. Conserve, maintain, and enhance at least XX acres of suitable habitat with currently unknown occupancy, for red tree vole
Objective 7.3. Increase the amount of suitable habitat by at least XX acres for red tree vole.
<b>Coastal Marten</b>
<b>Goal 8. Support the persistence of coastal marten the permit area.</b>
Objective 8.1. Conserve, maintain, and enhance at least XX acres of coastal marten denning, foraging, and movement habitat.
Objective 8.2. Increase the quantity of total denning, foraging, and movement habitat by at least XX acres.