

## Southern Willamette Forest Collaborative

Rigdon Collaboration Committee

Rigdon Mapping Workshop

Friday, Oct. 7th 12:30 – 4:00

**Participants:** Andy G, Brian W, Mike B, Chandra L, David C, Fergus M, Keith B, BJ K, Lon O, Loren H, Tim B, James J, Jim N, Sarah D

**Facilitators:** Sarah A-P, Mariah A

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### Rigdon Landscape Brainstorming Activity

Workshop participants listed subtopics related to the following categories.

- Water
- Vegetation
- Human Uses
- Wildlife

Participants then worked together to sort subtopics into common themes and brainstorm current and desired conditions.

### Wildlife

#### Wildlife subtopics

- Birds
- Aquatic Wildlife

Beaver

Western Pond Turtles

River otter

Etc.

- threatened species
- identify keystone species
- life cycle needs for habitat
- enhance wildlife functionality
- create diversity for birds - early seral
- diversity
- distribute small early seral openings across the landscape

- habitat fragmentation
- early seral obligates
- deer/ elk
- providing minimum early seral for deer
- habitat for deer and elk
- big cats
- big game
- Red tree voles
- Northern spotted owl
- Late seral obligates
- Rare species
- Protection of native wildlife

## Wildlife > Aquatic Animals

**Related subtopics:** Aquatic wildlife: beaver, western pond turtles, river otter, etc.; birds

<b>Current Condition</b>	<b>Desired Condition</b>
<ul style="list-style-type: none"><li>• Lack of Flood Plains</li><li>• Late Seral habitat – lack of early seral habitat</li></ul>	<ul style="list-style-type: none"><li>• Functioning flood plains</li><li>• Some (limited) seral diversity</li></ul>

## Wildlife > Big Game

**Related Topics:** Deer, Elk, big Cats, habitat for deer & elk, big game, providing minimum early seral habitat for deer, enough early seral obligates

<b>Current Condition</b>	<b>Desired Condition</b>
<ul style="list-style-type: none"><li>• too much closed canopy for deer</li><li>• limited prey for cougars</li><li>• elk forage lacking</li></ul>	<ul style="list-style-type: none"><li>• well distributed small openings across the landscape</li><li>• healthy deer population</li><li>• increase elk forage</li><li>• restore natural fire regime</li></ul>

## Wildlife > Seral Associates

**Related topics:** red tree voles, spotted owl, Late seral obligates, rare species, protection of native wildlife

<b>Current Condition</b>	<b>Desired Condition</b>
<ul style="list-style-type: none"><li>• Less old growth than historically</li></ul>	<ul style="list-style-type: none"><li>• Promote mid-seral stands to advance to late seral/ old growth</li><li>• Protect remaining old growth stands</li></ul>

## Wildlife > Ecological Function

**Related topics:** threatened species, identify keystone species, life cycle needs for habitat, enhance wildlife functionality, create diversity for birds - early seral, diversity, distribute small early seral openings across the landscape, habitat fragmentation

<b>Current Condition</b>	<b>Desired Condition</b>
<ul style="list-style-type: none"><li>• habitats fragmented by roads and past management</li><li>• need to identify keystone species</li><li>• deed data on rodent populations</li><li>• need data on effects of ground logging on fungi/ forest floor</li></ul>	<ul style="list-style-type: none"><li>• healthy keystone species populations</li><li>• enough rodents to support healthy owl populations</li><li>• healthy functioning forest floor ecosystems</li><li>• habitat barriers reduced</li></ul> road density reduced hard edges smoothed out larger habitat blocks

# Human Uses

## Human Uses subtopics

- Hiking & Camping
- Dispersed camping, esp. streamside
- Dispersed camping
- Developed campgrounds

### Improvements eg. Showers

- Hiking
- Protect and enhance existing trails
- Ground water
- Air
- Access to trails – big rig parking
- Trails
- Trail maintenance
- Plan for trail safety
- Non-motorized multi use trails
- Camping
- Restrooms
- Camping trash removal
- Fly fishing
- Fishing access
- Hunting

- Hunting
- Drinking water
- Solitude

### Sound

### Light

### Smell

- traditional knowledge e.g. CMTs,
- historic preservation
- cultural protections
- history eg wagon route
- educational opportunities for local youth
- public education
- sustainable forestry
- employment opportunities
- \$ for community e.g. forest resources (wood/ logging)
- drinking water
- firewood
- special forest products
- wood products – timber, biomass

## Human Uses > Recreation

**Related topics:** hiking & camping, dispersed camping, esp. streamside, dispersed camping, developed campgrounds, improvements eg. showers, hiking, protect and enhance existing trails, access to trails – big rig parking, trails, trail maintenance, plan for trail safety, non-motorized multi use trails, camping, restrooms, camping, hunting, trash removal, fly fishing, fishing access, hunting, solitude: sound, light, smell

Current Condition	Desired Condition
<ul style="list-style-type: none"> <li>• Middle Fork trail in need of tread maintenance</li> <li>• Moon Point trail</li> <li>• Campgrounds – concessionaire operated</li> <li>• Dispersed camp sites</li> <li>• Trail parking</li> <li>• Roads</li> <li>• Hunting</li> <li>• Fishing</li> </ul>	<ul style="list-style-type: none"> <li>• Increased seasonal maintenance</li> <li>• Better multi-use maintenance</li> <li>• Still some bridges needed</li> <li>• Some reconstruction needed for dry conditioning</li> <li>• Improve accessibility</li> <li>• FS operated campgrounds</li> <li>• More garbage removal</li> <li>• Erosion control</li> <li>• Horse trailer parking</li> <li>• Identify key roads for accessibility and improve</li> <li>• Key road maintenance</li> <li>• Habitat improvement</li> <li>• Access improvement (e.g. MF trail spurs?)</li> </ul>

**Human Uses > Education**

**Related topics:** traditional knowledge e.g. CMTs, historic preservation, cultural protections, history eg wagon route, educational opportunities for local youth, public education

<p><b>Current Condition</b></p> <ul style="list-style-type: none"> <li>• Passive - Interpretative signage/ kiosks</li> <li>• Limited active engagement with community</li> </ul>	<p><b>Desired Condition</b></p> <ul style="list-style-type: none"> <li>• Upgrade information and quality</li> <li>• Expanded opportunities for active engagement</li> <li>• Education focus on multiple resources</li> </ul> <p>Cultural/ historical Ecological Resource management</p> <ul style="list-style-type: none"> <li>• Publications available to public</li> </ul> <p>Self guided tours, aps</p>
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**Human Uses > Forest Products**

**Related subtopics:** sustainable forestry, employment opportunities, \$ for community e.g. forest resources (wood/ logging), drinking water, firewood, special forest products, wood products – timber, biomass

<p><b>Current Condition</b></p> <ul style="list-style-type: none"> <li>• Limited opportunities for special forest products</li> <li>• Fluctuating timber supply that may not be sustainable</li> </ul> <p>Lack of sustainable timber yield plan</p> <ul style="list-style-type: none"> <li>• Lack of understanding to measure carbon stocks</li> </ul>	<p><b>Desired Condition</b></p> <ul style="list-style-type: none"> <li>• Opportunities for special forest products</li> </ul> <p>Mushrooms Firewood Etc.</p> <ul style="list-style-type: none"> <li>• Sustainable and reliable supply of timber products for the long term, and a plan on how to achieve</li> <li>• Clean drinking water supply</li> <li>• Diverse employment opportunities</li> </ul> <p>Logging Trail maintenance Restoration work</p> <ul style="list-style-type: none"> <li>• Personnel well trained in measuring carbon stocks</li> </ul>
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# Water

## Water subtopics

- Bull trout
- Invasive non-native fish
- Fisheries
- Salmon
- Endangered species – especially Chinook salmon
- Bull trout
- Include all Chinook ESV in boundaries of stewardship area
- Water quality
- Erosion (roads/ culverts)
- Roads
- Cold Water
- Fish passage
- Dam impacts
- Filtration
- Functioning floodplains
- Diversity/ wood in streams
- Riparian protection & restoration

## Water > Water Quality

**Related topics:** cold water, roads, erosion (roads/culverts), water quality

<b>Current Condition</b>	<b>Desired Condition</b>
<ul style="list-style-type: none"> <li>• Impaired water temperatures</li> <li>• Lack of vegetation streamside</li> <li>• Road/ culvert erosion</li> </ul>	<ul style="list-style-type: none"> <li>• Cold water refugia</li> <li>• Restore streamside vegetation</li> <li>• Remove/ repair/ replace</li> </ul>

## Water > Fish/ Aquatic Species

**Related topics:** Bull trout, include all Chinook ESV in boundaries of stewardship area, fisheries, ESA species - Chinook salmon, Bull trout, invasive non-native fish

<b>Current Condition</b>	<b>Desired Condition</b>
<ul style="list-style-type: none"> <li>• Bull trout rearing and foraging habitat</li> <li>• Chinook spawning and repairing habitat</li> <li>• Western pond turtle range</li> <li>• Invasive species concern</li> <li>• Struggling Chinook population</li> </ul>	<ul style="list-style-type: none"> <li>• Protection and expansion</li> <li>• Establish healthy Chinook populations</li> </ul> <p>Smolt survival</p> <ul style="list-style-type: none"> <li>• Establish pond turtle nesting habitat</li> </ul> <p>Healthy populations</p> <ul style="list-style-type: none"> <li>• Absence of invasive in the streams</li> <li>• Include all Chinook ESV in stewardship boundary</li> </ul>

**Water > Fish/ Aquatic Habitat**

**Related topics:** Bull trout, include all Chinook ESV in boundaries of stewardship area, fisheries, ESA species - Chinook salmon, Bull trout, Invasive non-native fish

<p><b>Current Condition</b></p> <ul style="list-style-type: none"><li>• Bull trout rearing and foraging habitat</li><li>• Chinook spawning and rearing habitat</li><li>• Western pond turtle range</li><li>• Invasive species concern</li><li>• Struggling Chinook population</li></ul>	<p><b>Desired Condition</b></p> <ul style="list-style-type: none"><li>• Protection and expansion</li><li>• Establish healthy Chinook populations</li></ul> <p>Smolt survival</p> <ul style="list-style-type: none"><li>• Establish pond turtle nesting habitat</li></ul> <p>Healthy populations</p> <ul style="list-style-type: none"><li>• Absence of invasive in the streams</li><li>• Include all Chinook ESV in stewardship boundary</li></ul>
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**Water > Fish/ Aquatic Species**

**Related topics:** dam impacts, filtration, functional floodplains, fish passage, diversity/wood in streams, riparian protection/ restoration

<p><b>Current Condition</b></p> <ul style="list-style-type: none"><li>• Lack of large wood</li><li>• Loss of flood plain connectivity</li><li>• Invasives</li><li>• lack of diversity</li><li>• lack of vegetation</li><li>• Fish passage barriers</li></ul>	<p><b>Desired Condition</b></p> <ul style="list-style-type: none"><li>• Sufficient wood for habitat need and processes</li><li>• Restore connectivity and function, water filtration and storage</li><li>• Native multilayer canopy</li><li>• Passage for all aquatic organisms</li></ul>
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# Vegetation

## Vegetation subtopics

- Invasive vegetation
- Invasive plants
- Role of fire
- Forest overstory and understory
- Fire regime condition classes as a measure of resiliency
- Carbon storage
- Carbon sequestration
- Fire maintenance
- Natural disturbance regimes
- Surface fuel structure/ composition -> fire behavior
- Vegetation succession
- Secondary forest uses (e.g. mushrooms)
- Meadows,
- Wildflowers and pollinators
- Meadow abundance and diversity
- Pine/ oak forests
- Private industrial practices
- Old growth
- Previously logged stands
- Diversity
- Resiliency/ health

## Vegetation > Invasive plants

**Related topics:** invasive vegetation, invasive plants

<b>Current Condition</b>	<b>Desired Condition</b>
<ul style="list-style-type: none"> <li>• Cheat grass in meadows</li> <li>• Roadsides and disturbed areas</li> </ul>	<ul style="list-style-type: none"> <li>• More native species</li> <li>• Fewer acres covered with weeds</li> </ul>

## Vegetation > Landscape processes

**Related topics:** role of fire, forest overstory and understory, fire regime condition classes as a measure of resiliency, carbon storage, carbon sequestration, fire maintenance, natural disturbance regimes, surface fuel structure/ composition → fire behavior

<b>Current Condition</b>	<b>Desired Condition</b>
<ul style="list-style-type: none"> <li>• Fires suppressed</li> <li>• Forests not storing/ sequestering highest potential of carbon</li> <li>• Uncertainty about carbon productivity</li> </ul>	<ul style="list-style-type: none"> <li>• Allow fire to play a natural role</li> <li>• More resilient forests to fire</li> <li>• Accurate measurement of carbon sequestration</li> <li>• Identify management protocols to maximize carbon productivity</li> </ul>

**Vegetation > Forests**

**Related topics:** pine/ oak forest, private industrial practices, old growth, previously logged stands, diversity, resiliency/ health

<p><b>Current Condition</b></p> <ul style="list-style-type: none"> <li>• Dry types denser than historically</li> </ul> <p>Need more quantified data</p> <ul style="list-style-type: none"> <li>• High fire regime condition class, putting key ecosystem functions at risk</li> <li>• Overly dense plantations</li> <li>• Hard edges</li> <li>• Threatened NSOs need more/ better habitat</li> <li>• Fragmented, small habitat blocks</li> </ul>	<p><b>Desired Condition</b></p> <ul style="list-style-type: none"> <li>• Return to historic condition of open dry forest types</li> <li>• Lower FRCC to protect forest vegetation from stand replacement wildfire</li> <li>• Less dense, more diverse</li> <li>• Reestablish soft transitions between habitat and forest types</li> <li>• More diverse forest conditions including owl habitat</li> <li>• Larger blocks of unfragmented habitat (of different seral stages)</li> </ul>
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**Vegetation > Meadows/Early Seral**

**Related topics:** vegetation succession, meadow abundance and diversity, secondary forest uses (e.g. mushrooms) meadows, wildlife and pollinators

<p><b>Current Condition</b></p> <ul style="list-style-type: none"> <li>• Smaller acreage due to encroachment and fire suppression</li> <li>• Weedy meadows</li> </ul>	<p><b>Desired Condition</b></p> <ul style="list-style-type: none"> <li>• Larger more diverse meadows</li> </ul> <p>Size</p> <p>Species</p> <ul style="list-style-type: none"> <li>• Fire play a natural role in maintaining and creating early seral and meadows</li> </ul>
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**Rigdon landscape systems**

The following themes were identified as overall systems that impact the landscape and impact numerous topics.

- Fire Disturbance
- Drought
- Soil Health
- Climate Change Impacts
- Geology
- Landscape diversity of structure, type and species of vegetation

*Further discussion may be needed for these subjects*