



Other Wildlife:

Species other than the Northern Spotted Owl

June 16, 2015 – Forest Management and Wildlife
Workshop: Salem

Rex McGraw, Wildlife Biologist, BLM

Other Wildlife

- Marbled Murrelet
- North Oregon Coast Distinct Population Segment of the Red Tree Vole
- Analysis of additional species



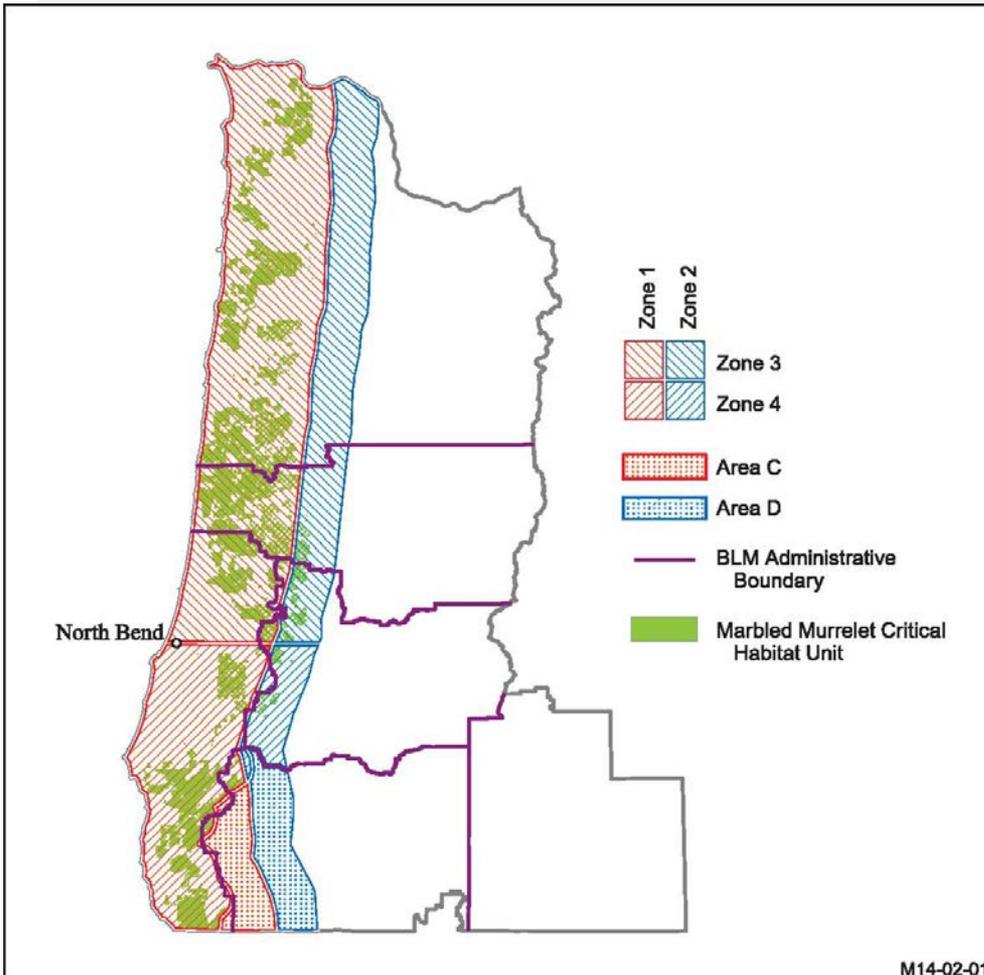
photos USFWS

Marbled Murrelet

Analytical Range & Zones



photo USFWS



Threatened species under the Endangered Species Act (October 1, 1992)

Inland Management Zones*

Zone 1 = 0-35 miles from the coast
Zone 2 = 35-50 miles from the coast
**from the Northwest Forest Plan*

Conservation Zones**

Zone 3
Zone 4
***from the Recovery Plan*

Areas C and D

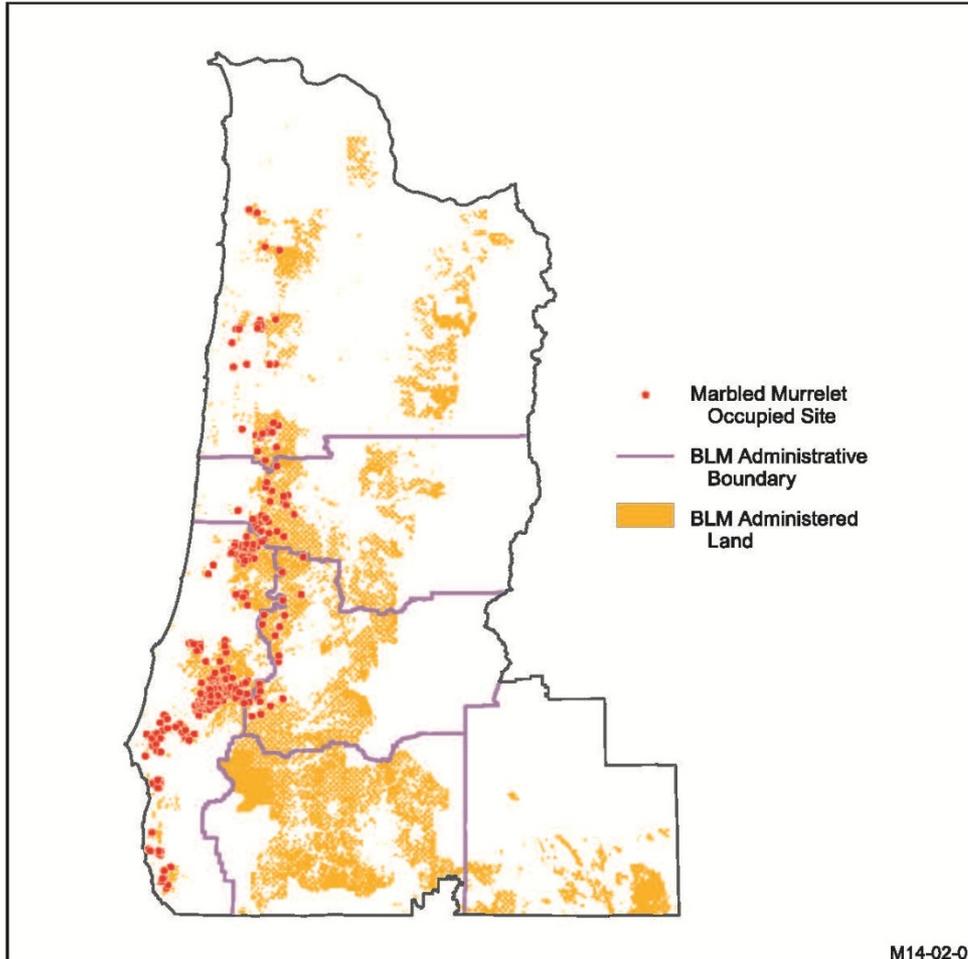
Excluded from the range of the murrelet for this analysis

Marbled Murrelet

Occupied Sites on BLM



photo USFWS



M14-02-01

- 321 known, occupied marbled murrelet sites on BLM-administered lands

For more information refer to Draft EIS, Vol. 2, pages 732-733

Marbled Murrelet

Key Alternative Features



photo USFWS

Surveys prior to habitat alteration or removal...

- **No Action Alternative** – survey nesting habitat in Zones 1 and 2
- **Alternative A** – no surveys required
- **Alternative B** – survey nesting habitat in Zone 1;
no surveys required in Zone 2
- **Alternative C** – survey nesting habitat in stands \geq 120 years old
- **Alternative D** – survey nesting habitat

*For more information refer to
Draft EIS, Vol. 3, Appendix B*

Marbled Murrelet

Habitat Modeling



photo USFWS

High-Quality Nesting Habitat

- Structurally Complex forest stands

Lower Quality Nesting Habitat

- Mature forest stands
- Young forest stands with structural legacies

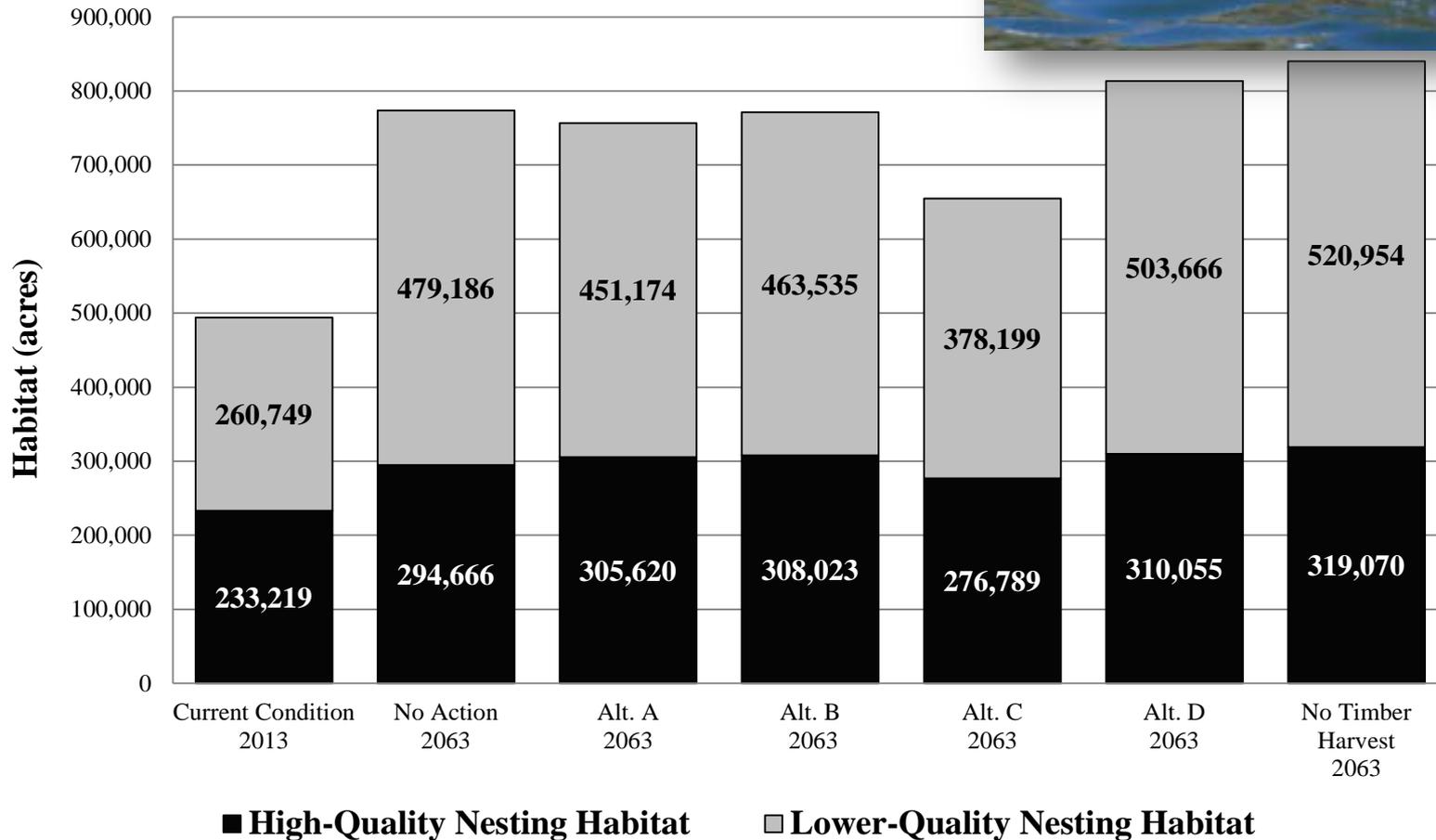


photo USFWS

For more information refer to
Draft EIS, Vol. 2, pages 724-725

Marbled Murrelet

Total Habitat on BLM



Marbled Murrelet

Forecast Sites in Harvest Land Base



photo USFWS

Marbled murrelet occupied site forecast on BLM-administered lands

Occupied Sites Forecasted Between 2013-2063	No Action (Number of Sites)	Alt. A (Number of Sites)	Alt. B (Number of Sites)	Alt. C (Number of Sites)	Alt. D (Number of Sites)
Harvest Land Base-Protected	344	-	86	45	255
Harvest Land Base-Lost	-	96	12	210	-
Not in Harvest Land Base-Protected	721	969	967	810	810
Totals	1,065	1,065	1,065	1,065	1,065
Forecasted Sites Lost in the HLB as a Percentage of the Total	-	9%	1%	20%	-

For more information refer to Draft EIS, Vol. 2, page 734



Marbled Murrelet

Key Points

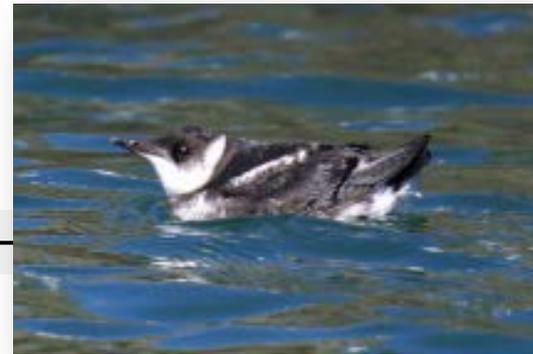


photo USFWS

- All alternatives would result in an increase in the amount of marbled murrelet high-quality nesting habitat and total nesting habitat in 50 years.
- In the first decade, all alternatives would result in a slight decrease in the amount of high-quality nesting habitat. However, sufficient high-quality nesting habitat would develop by the second decade to surpass current amounts under all alternatives.
- Under the **No Action Alternative** and **Alternative D**, the BLM would **identify and protect all future marbled murrelet sites**.
- In the absence of surveys in the Harvest Land Base, **Alternatives A, B, and C would result in the loss of future marbled murrelet sites:**
 - Alt A: 9% (96 sites) Alt B: 1% (12 sites) Alt C: 20% (210 sites)

*For more information refer to
Draft EIS, Vol. 2, pages 720-736*

Red Tree Vole

North Oregon Coast Distinct Population Segment

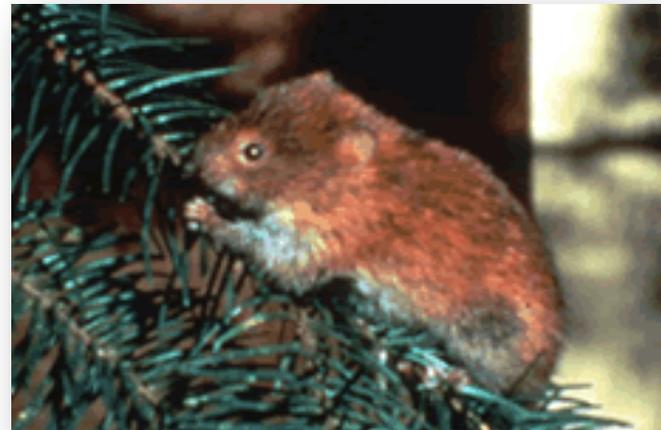
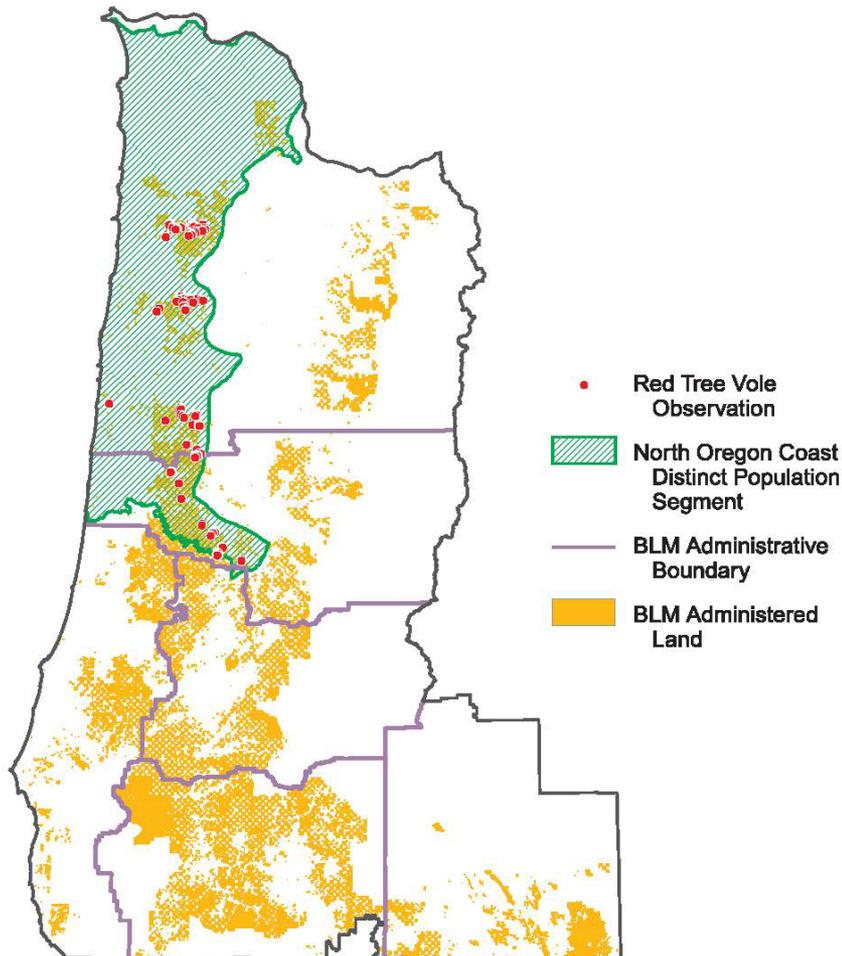


photo USFWS

Warranted, but precluded from listing under the Endangered Species Act (October 13, 2011)

For more information refer to Draft EIS, Vol. 2, page 739

Red Tree Vole DPS

Key Alternative Features



photo USFWS

➤ No Action Alternative

- **Survey & Manage Standards and Guidelines**

- *Pre-disturbance surveys for projects that could degrade or remove habitat*
- *Establish habitat areas*

➤ Alternatives A & C

- **Special Status Species (6840) Policy**

- *implement measures to conserve Bureau Sensitive species and their habitats, to promote their conservation, and reduce the likelihood and need for listing under ESA*

➤ Alternatives B & D

- **Pre-disturbance surveys for projects that could degrade or remove habitat**
- **Establish habitat areas**

For more information refer to
Draft EIS, Vol. 3, Appendix B

Red Tree Vole DPS

Habitat Modeling



photo USFWS

Habitat

- Structurally Complex forest stands
- Mature forest stands

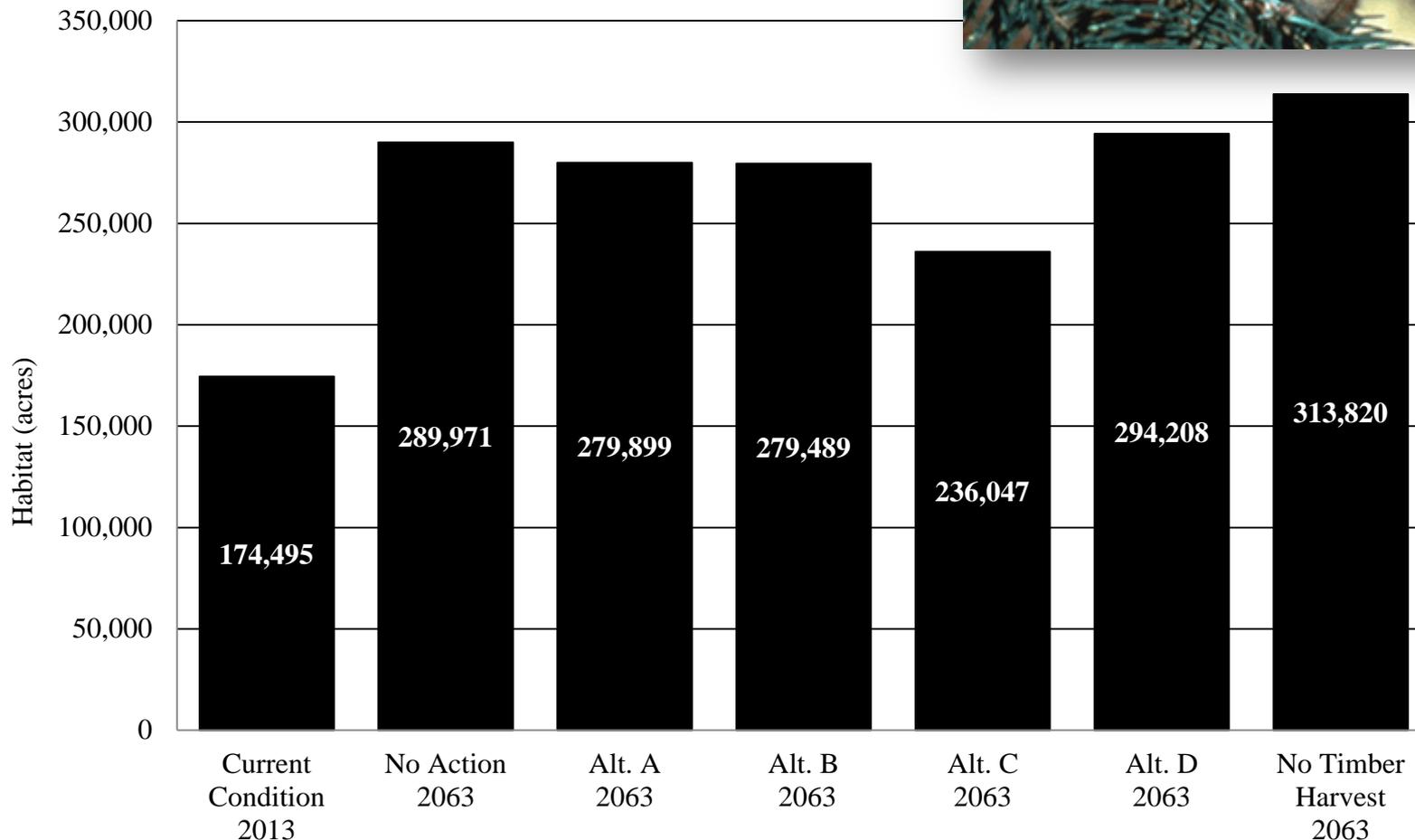


photo USFWS

For more information refer to
Draft EIS, Vol. 2, page 738

Red Tree Vole DPS

Total Habitat on BLM



Red Tree Vole DPS

Forecast Stands in Harvest Land Base



photo USFWS

Red tree vole habitat and forecast of occupied stands within the North Oregon Coast DPS within the Harvest Land Base

Alternative	Habitat in the Harvest Land Base (Acres)	Occupied Stand Forecast (Number)	
	Total Habitat	Discovered and Protected	Lost
No Action	33,810	211	-
Alt. A	21,715	-	136
Alt. B	37,846	237	-
Alt. C	61,284	-	383
Alt. D	58,847	368	-

For more information refer to Draft EIS, Vol. 2, page 744



Red Tree Vole DPS

Key Points



photo USFWS

- **All alternatives would lead to an increase in habitat** for red tree voles within the North Oregon Coast DPS in 50 years.
- The **loss of occupied stands under Alternatives A and C**, particularly north of Highway 20, would further reduce the distribution of red tree voles in the North Oregon Coast DPS.
- The lack of provisions for pre-disturbance surveys and known site protection under **Alternatives A and C would negatively affect the species.**
- **Alternatives B and D and the No Action alternative** would include direction to conduct pre-disturbance surveys and known site management, which **would protect red tree voles in the North Oregon Coast DPS.**

*For more information refer to
Draft EIS, Vol. 2, pages 738-745*

Other Wildlife

Additional Species Considered (over 200 species)

➤ Federally Endangered:

- Columbian White-tailed Deer (pg. 695)
- Fender's Blue Butterfly (pg. 837)*
- Gray Wolf (pg. 716)
- Taylor's Checkerspot Butterfly (pg. 840)*

➤ Federally Threatened:

- Marbled Murrelet (pg. 720)
- Northern Spotted Owl (pg. 746)
- Oregon Silverspot Butterfly (pg. 827)
- Oregon Spotted Frog (pg. 829)
- Steller Sea Lion (pg. 839)*
- Streaked Horned Lark (pg. 839)*
- Vernal Pool Fairy Shrimp (pg. 832)
- Western Snowy Plover (pg. 834)

➤ Federally Proposed:

- Fisher (pg. 701)
- Wolverine (pg. 841)*

➤ Federally Candidate:

- Greater Sage-grouse (pg. 714)
- North Oregon Coast Distinct Population Segment of the Oregon Red Tree Vole (pg. 738)

➤ Other:

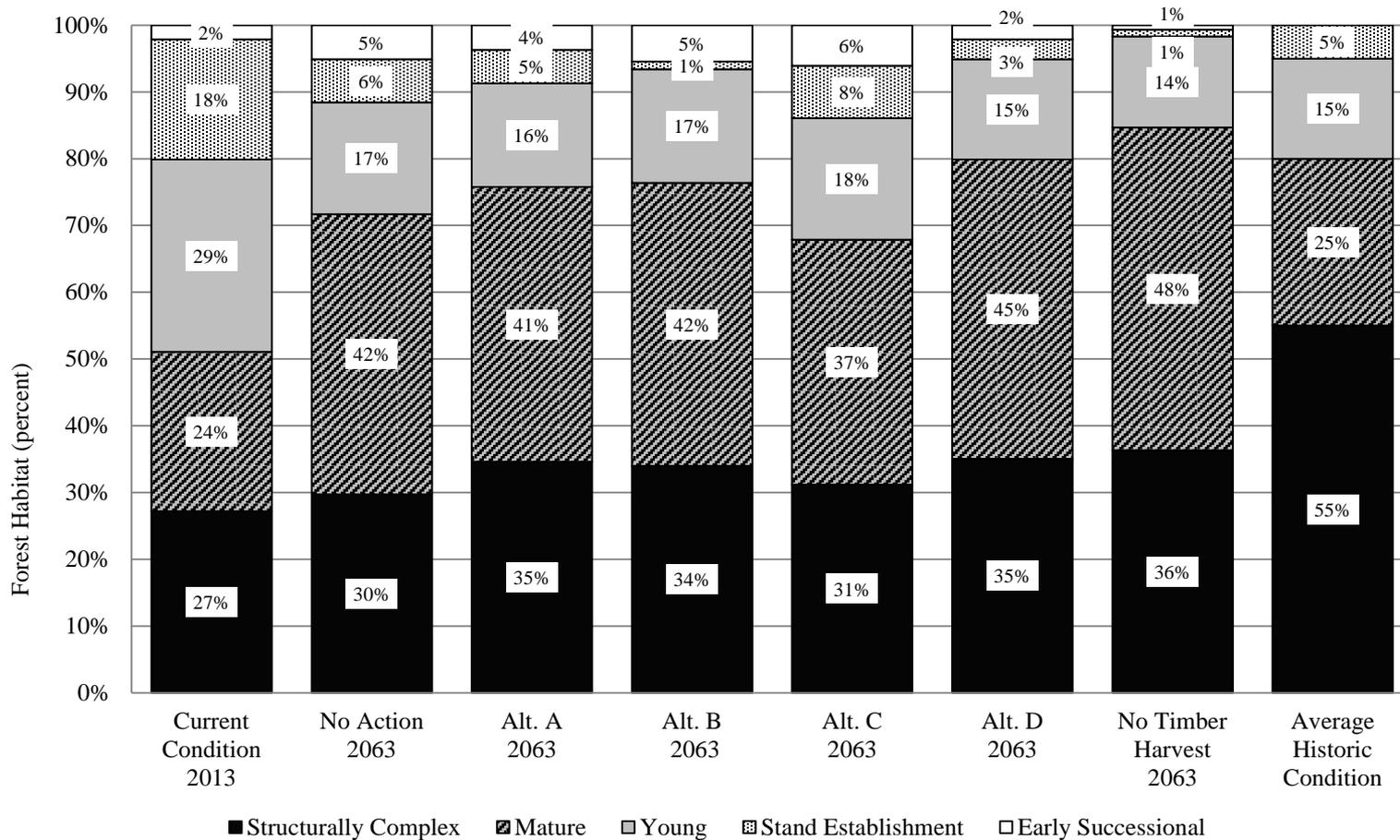
- Bald Eagle (pg. 672)
- Bureau Sensitive (pg. 680)
- Bureau Strategic (pg. 680)
- Deer & Elk (pg. 676)
- Golden Eagle (pg. 709)
- Landbird Focal Species (pg. 680)
- Siskiyou Mountain Salamander (pg. 838)
- Survey & Manage Species (pg. 680)

**Species considered but not analyzed in detail.*



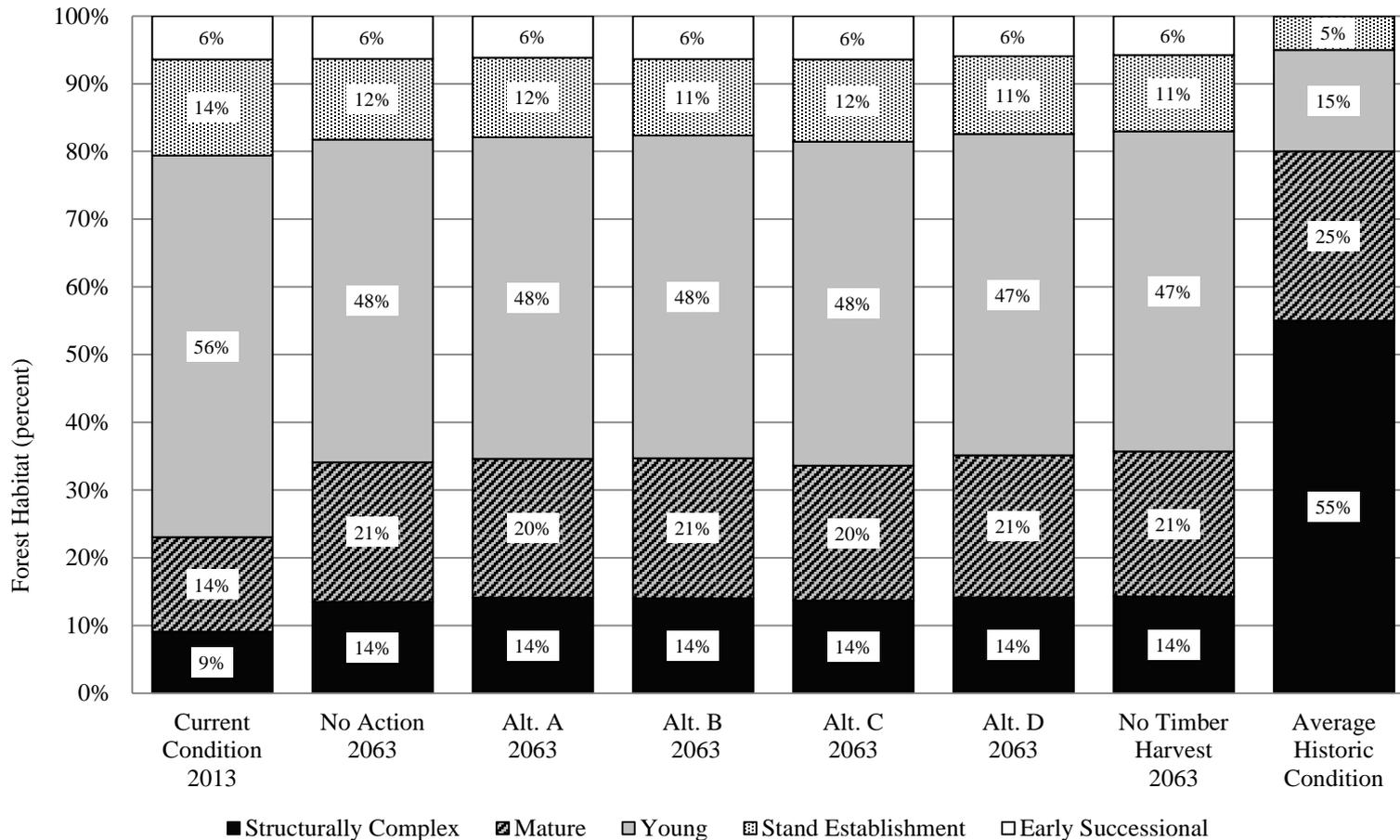
Other Wildlife

Forest Structural Stages in the Decision Area



Other Wildlife

Forest Structural Stages in the Planning Area



Other Wildlife

Key Points

- Under all alternatives, the **distribution of structural stages in the decision area in 50 years would be within the range of the average historic conditions**, increasing the habitat availability for many Bureau Sensitive, Bureau Strategic, and Survey & Manage species.
- The lack of green tree retention or snag and down woody material retention under **Alternatives A and C would lead to the least amount of habitat for species associated with legacy structure in younger stands in 50 years.**
- Although none of the action alternatives would include the Survey & Manage standards and guidelines, **there would be sufficient habitat to support stable populations for most of the Survey and Manage wildlife species under all alternatives.**

*For more information refer to
Draft EIS, Vol. 2, pages 680-694*



Next Steps

Date	Event
April 24, 2015	Release of Draft RMP/EIS
April 24-July 23, 2015	Comment Period
May-December 2015	Develop and analyze Proposed RMP/Final EIS
Winter 2016	Publish Proposed RMP/Final EIS
Winter-Spring 2016	Protest Period, Governor's Consistency Review, Resolution
Spring 2016	Record of Decision

To submit comments:

Interactive Map: www.blm.gov/or/plans/rmpswesternoregon/interactivemap

Email: blm_or_rmpwo_comments@blm.gov

Postal: Draft EIS for Western Oregon

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