



PROPOSED STREAM RULES FOR SALMON, STEELHEAD AND BULL TROUT

Sauvie Island, Oregon
February 4, 2017



RIPARIAN RULEMAKING



Proposed rule changes are for **small** and **medium** stream buffers with salmon, steelhead, or bull trout - **SSBT**.



- **Why do we need new rules specifically for salmon, steelhead and bull trout-SSBT?**





The Oregon Department of Forestry monitors the effectiveness of the rules within Forest Practices Act.

When studies show the rules are not adequately protecting forest resources, they are either removed, rewritten or new rules created.



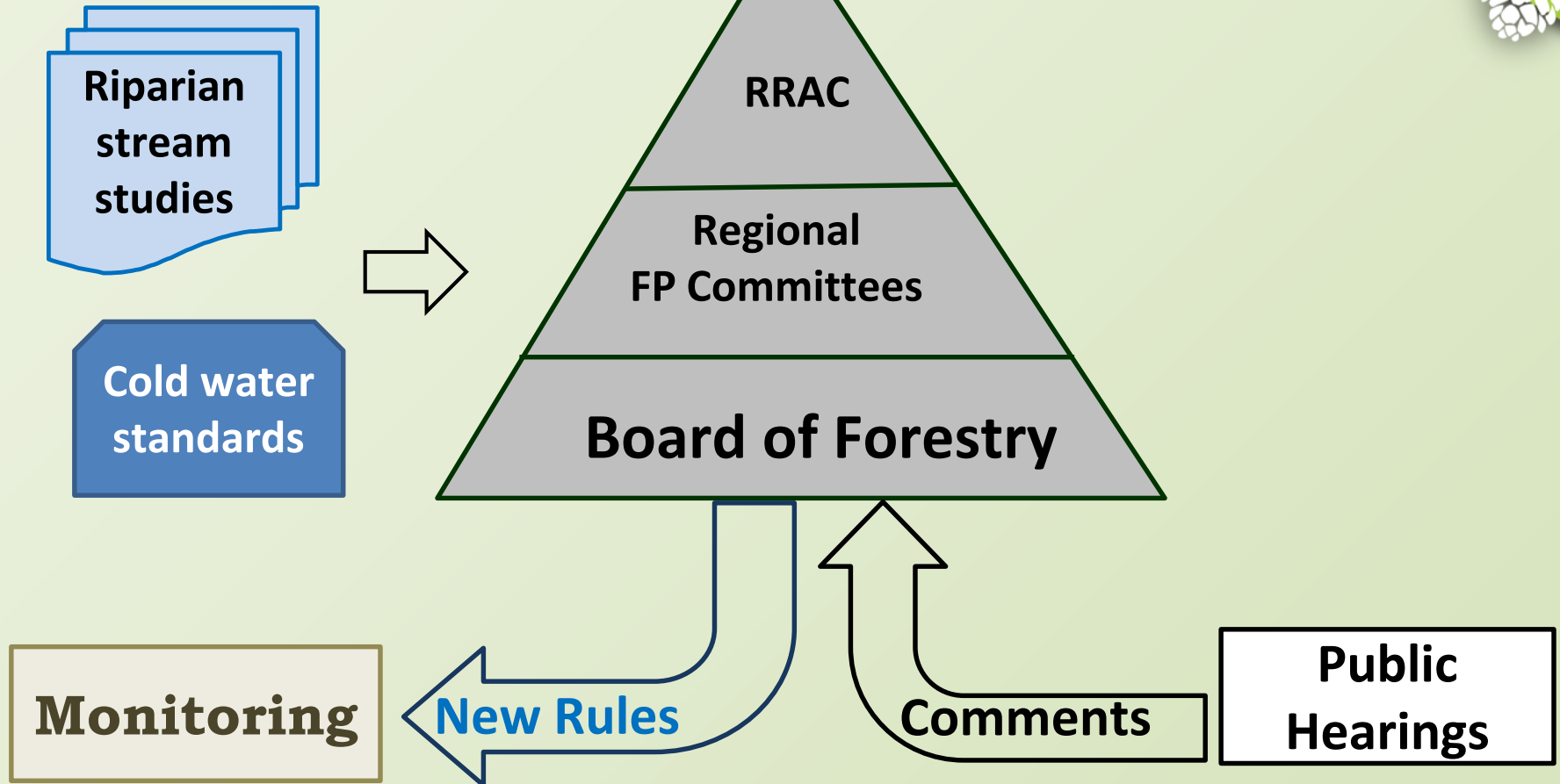
Oregon Department of Forestry

- **Studies conducted over last 20 years years indicate:**
 - **Reduced shade may lead to *temperature increase* of water and can harm certain species of fish, specifically salmon, steelhead and bull trout- SSBT.**

- **Forest Practices rules must not impair water quality standards set by Environmental Quality Commission.**



Need Colder Streams!







- **2002 monitoring of riparian rules begins.**
- **2012 Initiated rule analysis process.**
- **2015, Determined protection concepts**
 - **Rulemaking Advisory Committee Formation**
- **2016, Approved proposed rules**
 - **Directed public hearings**



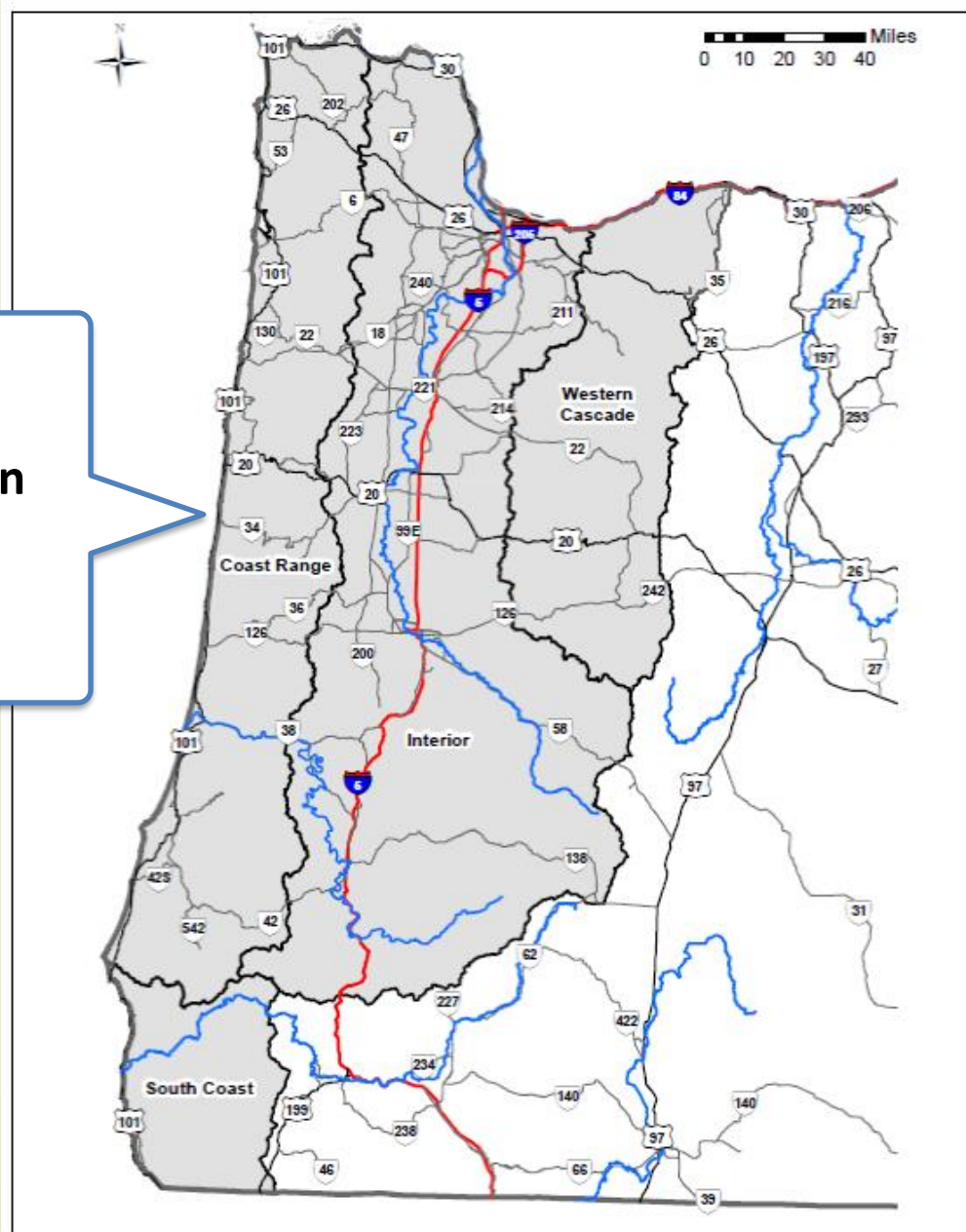
Proposed Rule Concepts

- Applies only in western Oregon





**Effects western
Oregon only.**



How are SSBT streams determined?



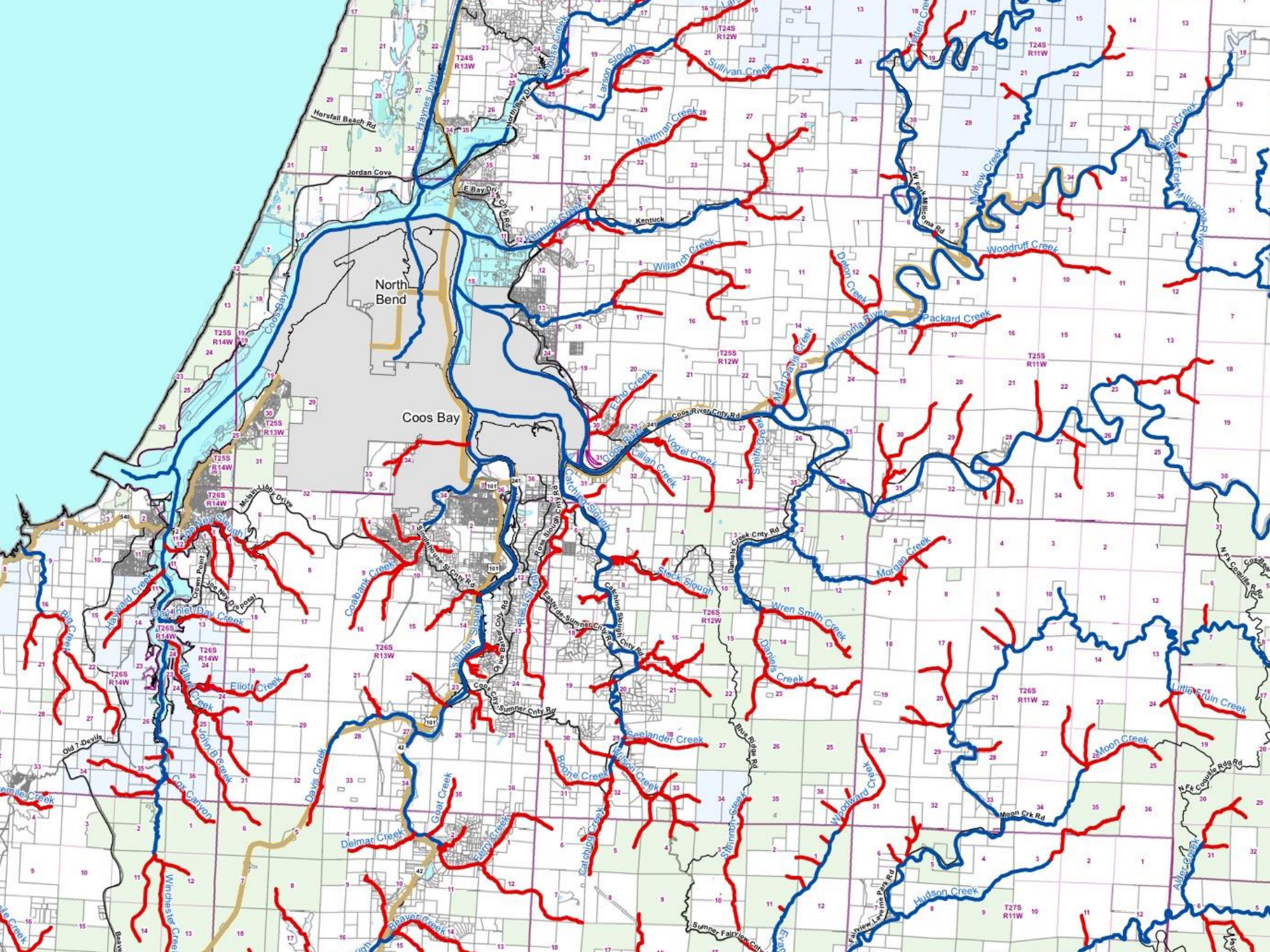
- Initial classification on July 1, 2017.
- Process to grab new data from ODFW.
- SSBT streams applies when ODF is notified.



Not all fish streams will be SSBT streams and some streams not currently classified as fish will become SSBT streams.



ODF's website has geo referenced maps that show what streams will be affected by the proposed rules.



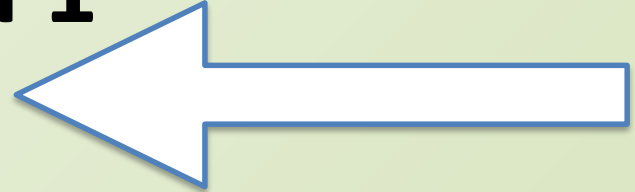


RMA width expands 10 feet from 50 to 60 feet on small SSBT streams and 70 to 80 feet on medium SSBT streams.



Type SSBT Management Prescription 1

"No Harvest"

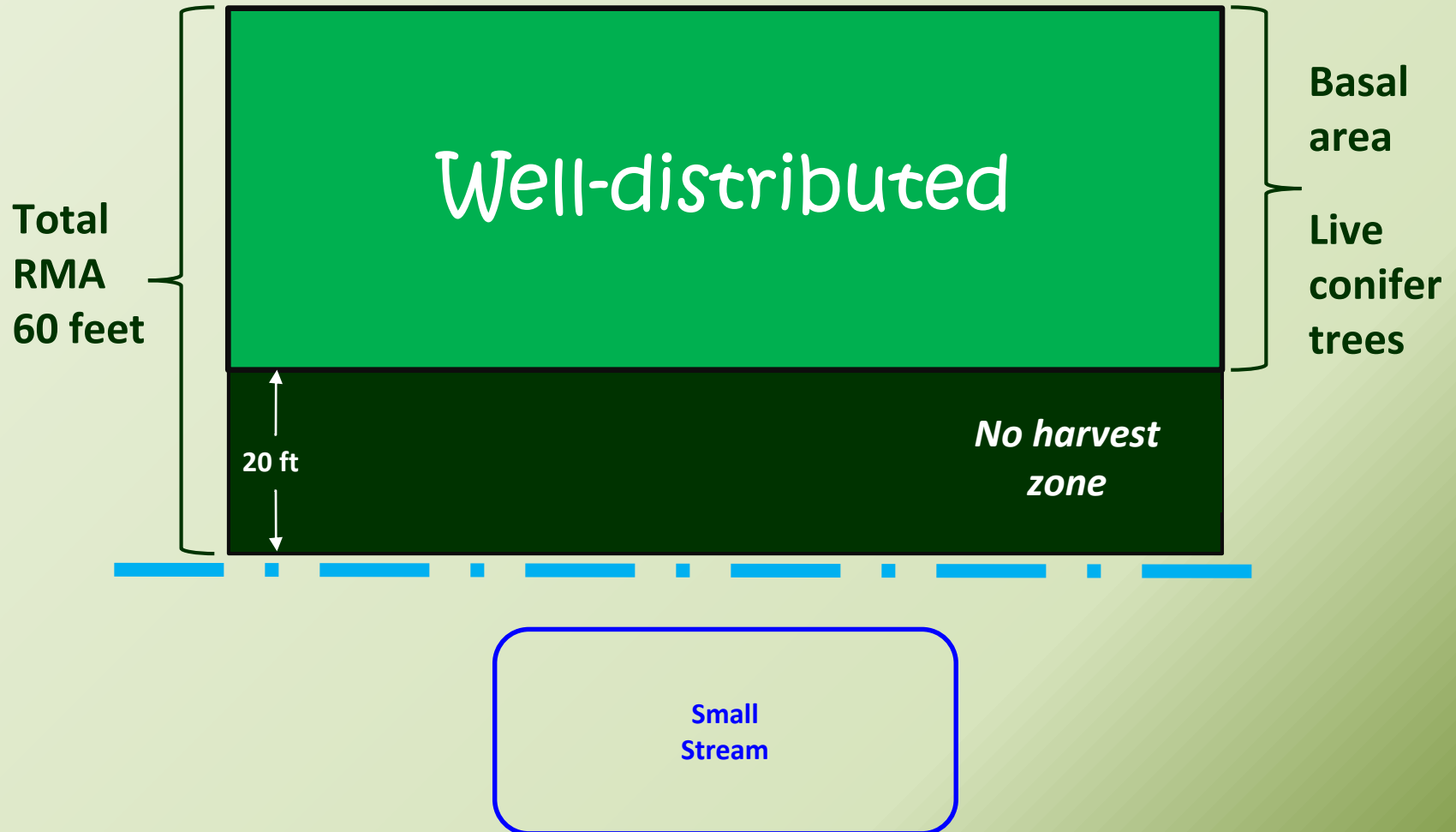


Small Streams- retain all trees within 60 feet of stream high water level.

Medium Streams- retain all trees within 80 feet of stream high water level.

Type SSBT Prescription 2

"Partial Cut"



Type SSBT Prescription 2



"Partial Cut"

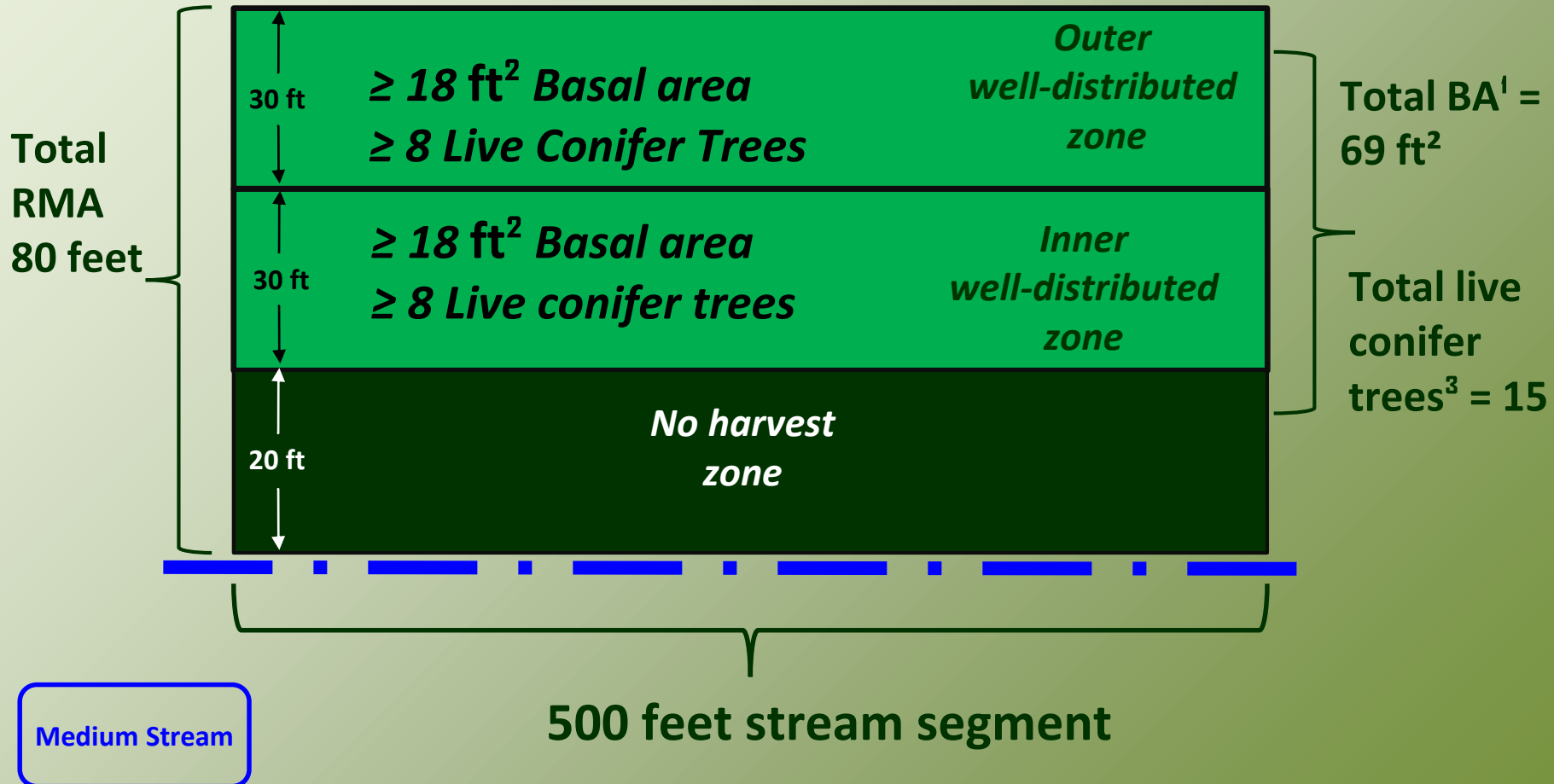


- **Operators shall:**

- ✦ Retain trees that are **well-distributed** beyond 20 feet of the HWL,
- ✦ Minimize the creation of large gaps.

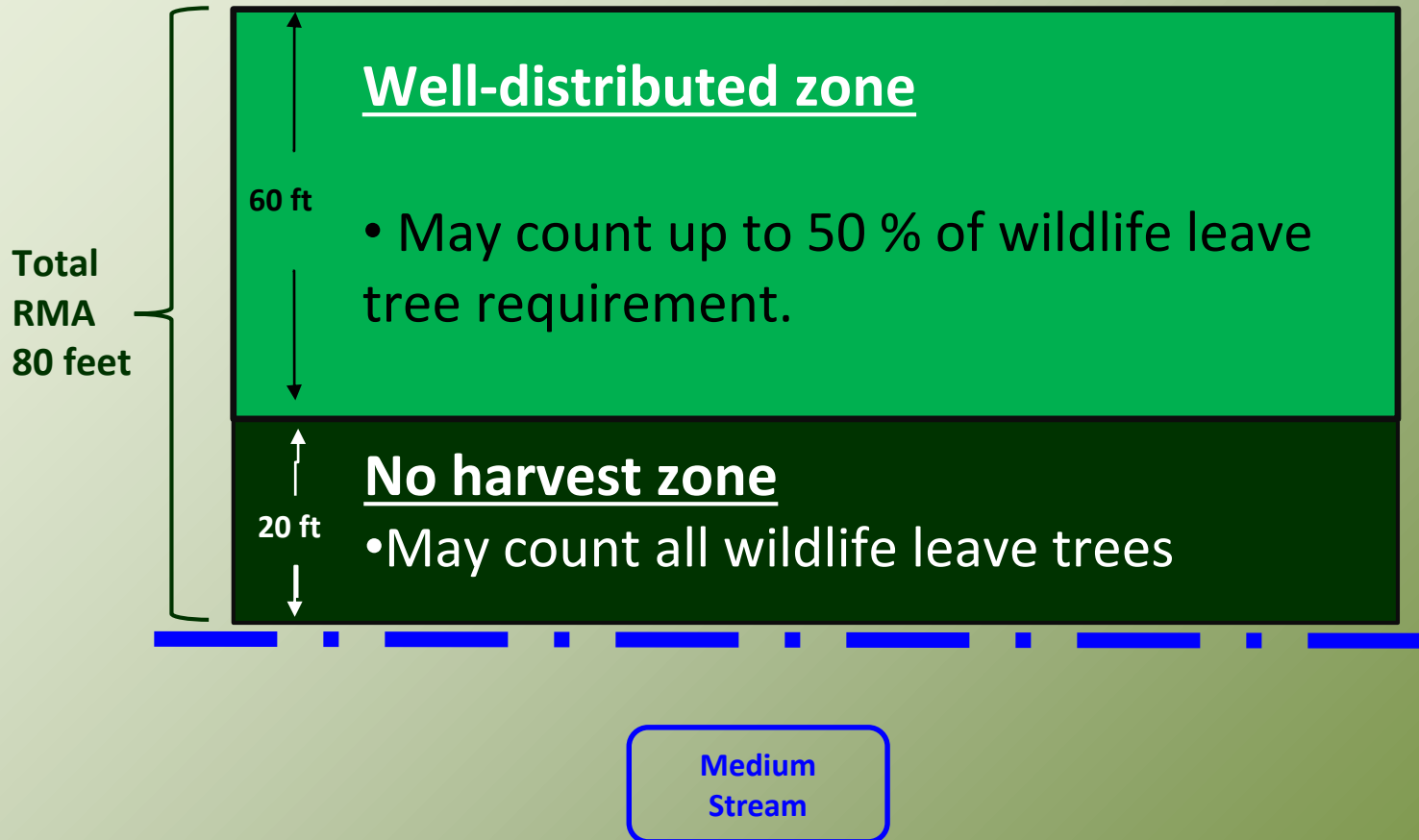
Type SSBT Prescription 2

"Partial Cut"

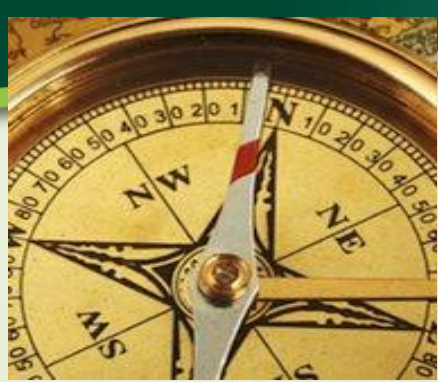


Wildlife Leave Trees

Type SSBT stream and main stem of Type F stream







Type SSBT Management Prescription 3



“North Sided Buffer”

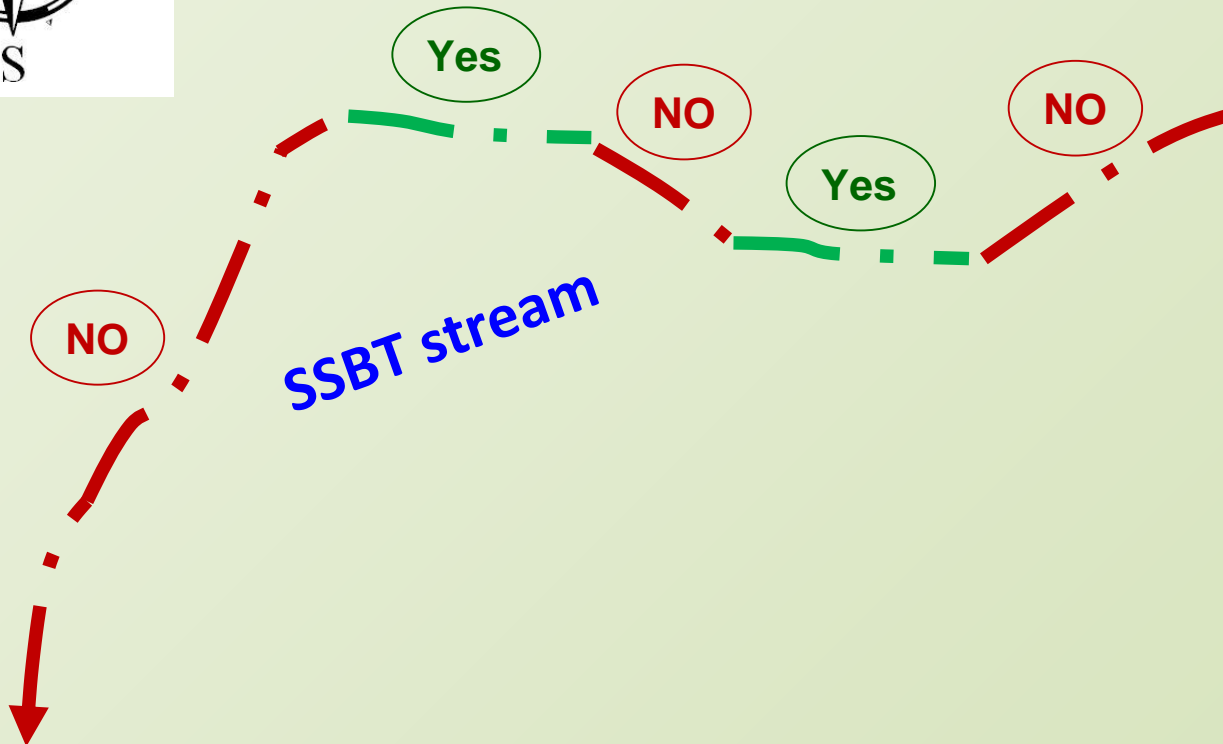
Stream valley azimuth criteria is between

- 60 and 120 degrees east and 240 and 300 degrees west.

Type SSBT Prescription 3 "North Sided Buffer":



- Retain all trees within 40 feet of stream- north side.





Type SSBT Management Prescription 3

“North Sided Buffer”

- Retain **all** trees on north side within 40 feet of stream.

Type SSBT Management Prescriptions Options



Type SSBT Prescription 1

"No Harvest"

Small RMA = 60 ft
Medium RMA = 80 ft

Type SSBT Prescription 2

"Partial Cut"

Small RMA = 60 ft
Medium RMA = 80 ft

Well distributed
Basal area
Wildlife trees

Type SSBT Prescription 3

"North-Sided Buffer"

Small RMA = 60 ft
Mediums RMA = 80 ft

40 feet north side



Riparian Management Key Points

- **RMA width expands 10 feet on SSBT streams.**





Riparian Management Key Points

- No harvest within 20 feet of stream.





Riparian Management Key Points

- Basal area
approximately
doubles.





Riparian Management Key Points

- **Hardwoods**
count for base
area.





Riparian Management Key Points

- Trees must be well-distributed within RMA.





Riparian Management Key Points

- All trees within 20 feet of stream can count as wildlife trees.





Riparian Management Key Points

- 50% of trees beyond 20 feet can also count as wildlife trees.





Riparian Management Key Points

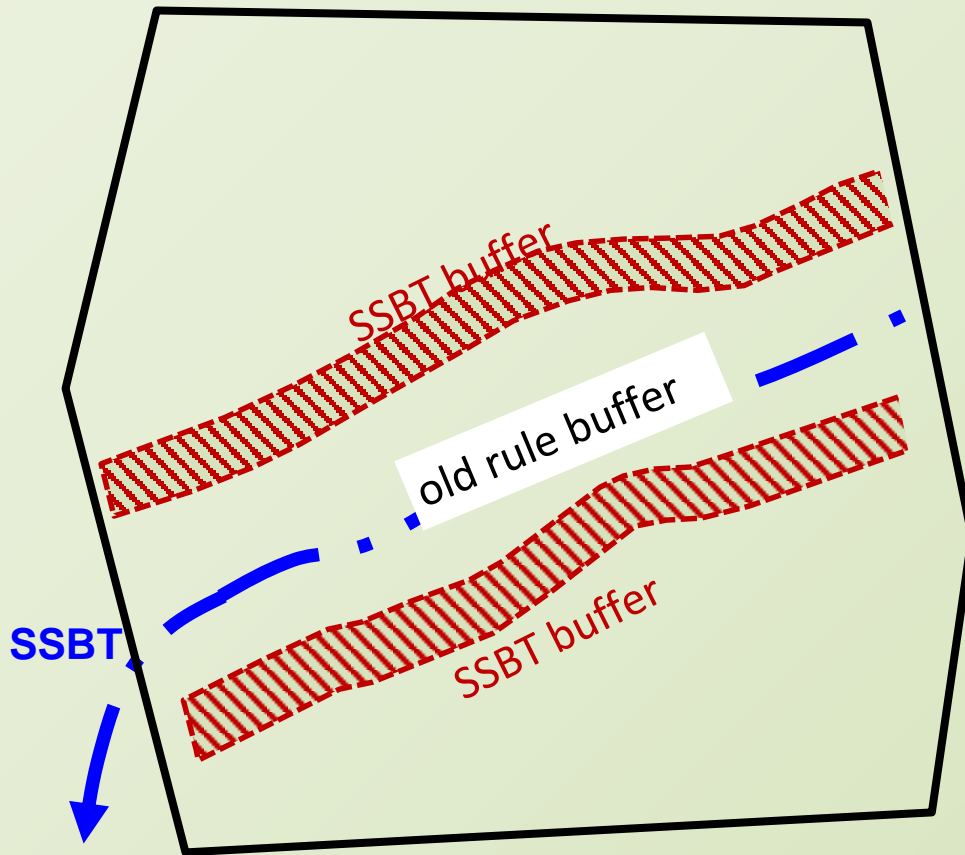
- All other rules apply (e.g. downed wood, Written plan requirement)



Relief Eligibility



Landowner's Parcel



Parcel = 25 acres

Additional acreage = 3 acres

$3 \text{ acres} \div 25 \text{ acres} = 12 \%$

Over 8 % therefore, eligible
for reduced standards

Process going forward



- **Public comment period ends March 1, 2017**
- **Board to determine final rule language April, 2017**
 - If no modification to proposed rules
- **Anticipated rule effective date: July 1, 2017**
 - If no modification to proposed rules



Questions?



Thank you,

**John Krause
Stewardship Forester**

Oregon Department of Forestry