

NW/SW Regional Forest Practices Committees Riparian Prescription Proposals
Meeting date: April 9, 2015

The riparian prescriptions below were developed as per Board of Forestry direction to put forward protection concepts on small and medium fish-bearing streams for the purpose of meeting the protecting cold water standard to the maximum extent practicable.

Overarching Committee Decisions

- *Riparian protection measures are proposed as non-regulatory measures only
- *The riparian protection measures developed by the Joint NW/SW RFPCs should be applied to the Coast Range georegion only (not including the South Coast georegion), particularly if any component is adopted as a regulatory measure.
- *Protection measures apply only to stream reaches noted in the ODFW Fish Habitat Distribution GIS layer as current-use for salmon, steelhead and bull trout (SSBT).
- *Protection measures do not apply to tributaries or stream reaches upstream of said SSBT stream reaches.

Option A - Voluntary, increased variable retention and gap-minimization for 2-sided harvests.

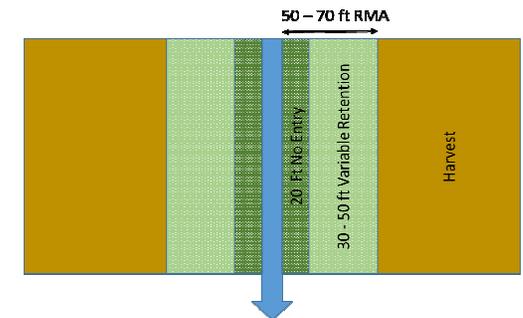
(Increases total trees retained by adding hardwoods, maintains minimum conifer standard, decreases gaps btwn trees)

Small, Options A1	
Regulatory Current FPA - Small Streams	Proposed Voluntary Rx - 50' RMA, 2-sided harvest only
S.T. = 40 sq ft/1000'	Live trees = 8" + dbh
Leave all conifer within 20ft buffer	Hardwood BA counts
Half S.T. - Retain 70 conifers/1000'/6" dbh	A1: Leave total 80 sq ft/1000'. RMA leave trees shall be well-
Buffer - Protection in OAR 629-640-0100	distributed in order to minimize harvest-created gaps.
	If available, leave 40 sq ft/500 ft conifer. If conifer BA is below
	40 sq ft/500', no conifer harvest. If total BA is below
	80 sq ft/1000', no harvest.
	<i>Other protections in OAR 629-640-0100 (20' no cut, etc.)</i>

***A2 Option of 60 sq ft/1000 feet dropped**

Medium, Option A3*	
Current FPA - Medium Streams	Proposed Voluntary Rx - 70' 2-sided harvest only
S.T. = 120 - 140 sq ft/1000' as per georegion	Live trees = 8" + dbh
Leave 30 live conifer/1000'/8" dbh	Hardwood BA counts
Half S.T. - Retain 100 conifers/1000'/6" dbh	Leave total 160 sq ft/1000'. 60 sq ft/500' conifer. Up to 40 sq. ft. May be hardwood.
Buffer Medium = 70 ft	If conifer BA is below 80 sq ft/500', no conifer harvest.
	RMA Leave trees shall be well distributed in order to minimize harvest-rcreated gaps.
	<i>Other protections in OAR 629-640-0100 (20' no cut, etc.)</i>

Option A Conceptual Design



Option B - Voluntary, temporary no-entry RMA with variable retention & gap-minimization for 2-sided harvests.

(Pairs the current FPA standard target with a temporary no-entry RMA)

Small, Option B1	
Regulatory Current FPA - Small Streams	Proposed Voluntary Rx - 50' 2-sided Harvest only
S.T. = 40 sq ft/1000'	1st-side: Temporary no harvest 50' RMA
Leave all conifer within 20ft buffer	4 year RMA vegetation recovery before harvesting this side.
Half S.T. - Retain 70 conifers/1000'/6" dbh	Subsequent entry cannot occur until 48 months from planting date.
Buffer - Protection in OAR 629-640-0100	Timing is based on reforestation date for ease of tracking only.
	2nd side: Variable retention RMA, current FPA standard target
	<i>Other protections in OAR 629-640-0100 (20' no cut, etc.)</i>

Medium, Option B	
Regulatory Current FPA - Medium Streams	Proposed Voluntary Rx - 70' 2-sided Harvest only
S.T. = 120 - 140 sq ft/1000' as per georegion	1st-side: Temporary no harvest 70' RMA
Leave 30 live conifer/1000'/8" dbh	4 year RMA vegetation recovery before harvesting this side.
Half S.T. - Retain 100 conifers/1000'/6" dbh	Subsequent entry cannot occur until 48 months from planting date.
Buffer Medium = 70 ft	Timing is based on reforestation date for ease of tracking only.
	2nd side: Variable retention RMA, current FPA standard target
	<i>Other protections in OAR 629-640-0100 (20' no cut, etc.)</i>

Option C - Voluntary sun-sided buffer for 2-sided harvests

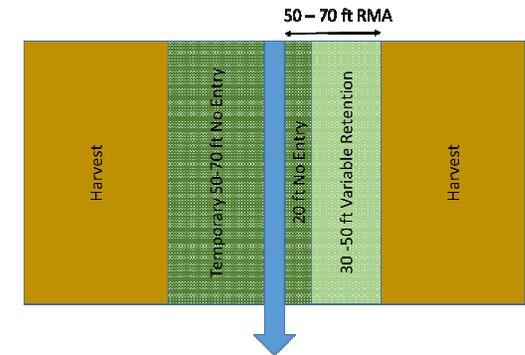
(Shifts up to 50% of basal area retention to sun-side of stream. Uses option A1 & A3 standard targets

as starting point. Incentivizes by reducing south-sided retention by 20 sq ft)

Option C1 - Alternate Prescription (Small)
If general valley azimuth is within 30 degrees of E-W line, shift BA to south side of 2-sided harvest. 80 sq ft as base, maintain 40 sq. ft. on north side (min current FPA), move up to 20 sq. ft to south side (100 sq ft on south). 20 sq ft diff is incentive. RMA trees shall be well-distributed to minimize harvest-created gaps. 8" min diam (Live) Use true north in determining applicability. No minimum reach length established. <i>Other protections in OAR 629-640-0100 (20' no cut, etc.)</i>

Option C2 - Alternate Prescription (Med)
If general valley azimuth is within 30 degrees of E-W line, shift BA to south side of 2-sided harvest. 160 sq ft as base, maintain 120 sq. ft. on north side (min current FPA), move up to 20 sq. ft to south side (180 sq ft on south). 20 sq ft diff is incentive. RMA trees shall be well-distributed to minimize harvest-created gaps. 8" min diam (Live) Use true north in determining applicability. No minimum reach length established. <i>Other protections in OAR 629-640-0100 (20' no cut, etc.)</i>

Option B Conceptual Design



Option C Conceptual Design

