

Miscellaneous Slides ...

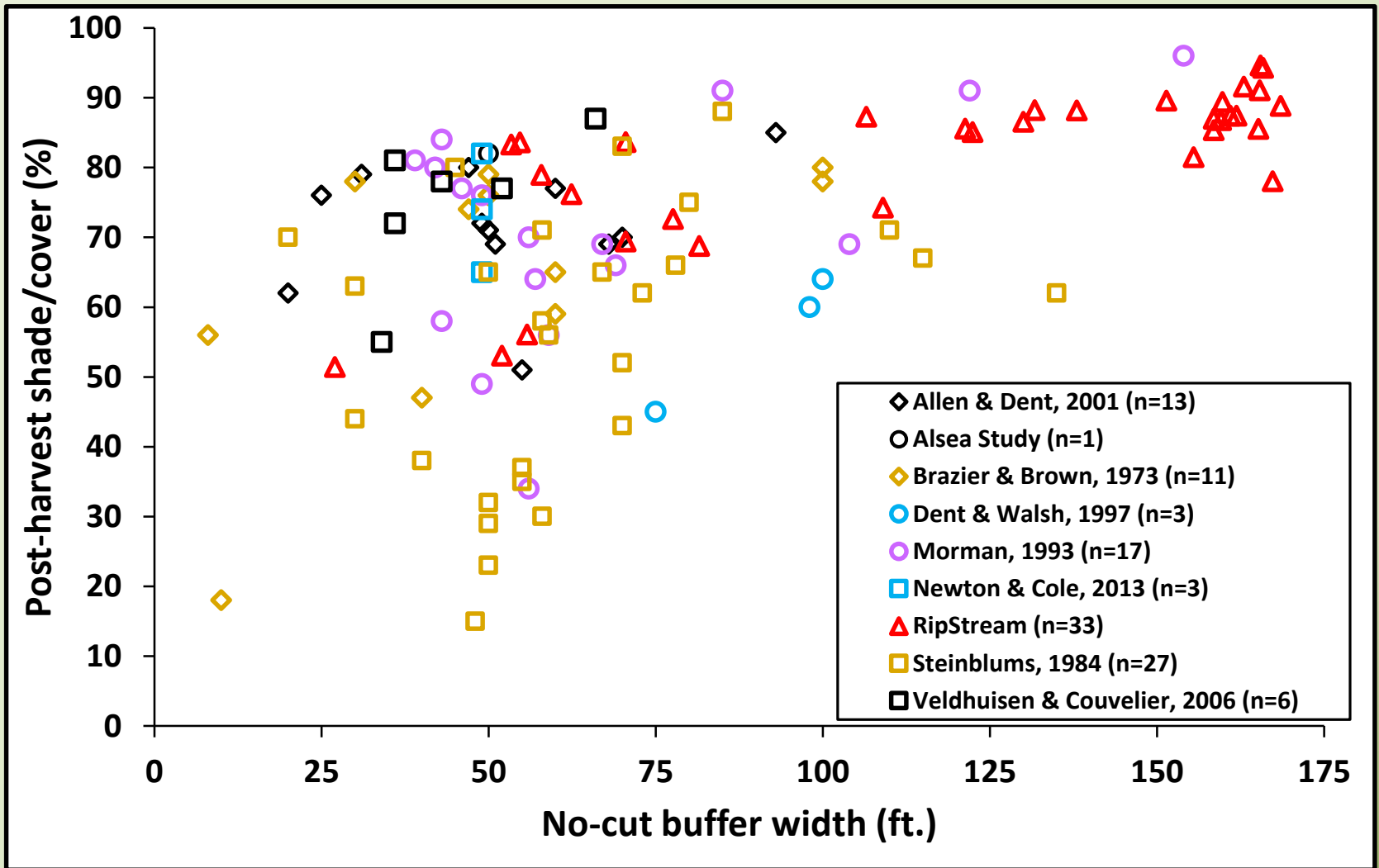


RipStream findings compared with those of other studies

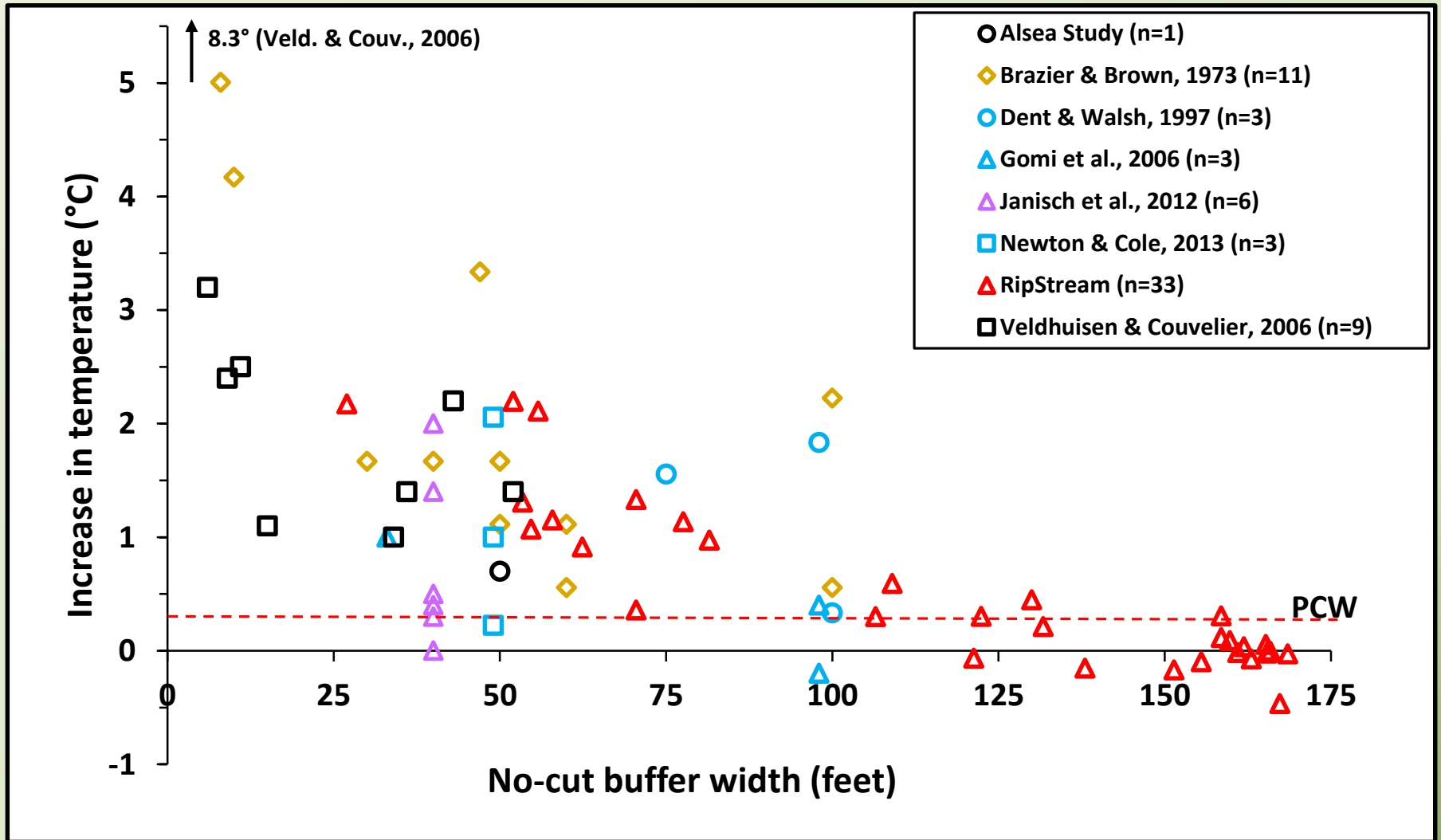
Range of buffer effectiveness: temperature, shade

- **Data: studies included in Systematic Review (+ WRC site)**
- **Reach-scale**
- **Differences in stand conditions, study designs, metrics**

Post-harvest shade/cover with respect to No-cut buffer width



Pre-Post change in temperature with respect to No-cut buffer width



Conclusions on range of buffer effectiveness

1. Wide range in shade & temperature responses, however:

- Shade increases with buffer width**
- Temperature change decreases with buffer width**

2. Variability in post-harvest temperature, shade:

- Appears to decrease with increasing buffer width**
- For confidence in results, need many sites**

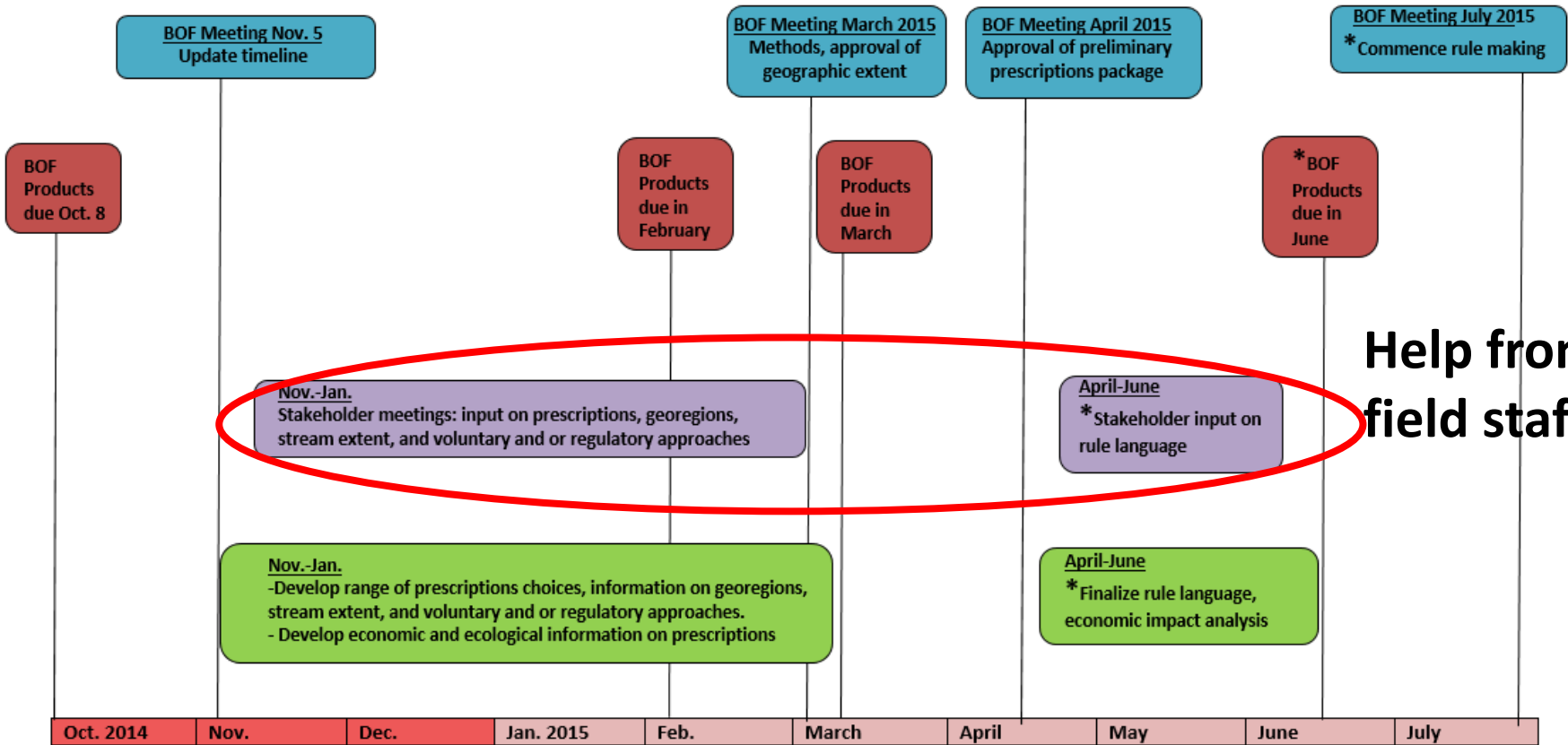


Questions??

Timeline



Adjusted Timeline for Riparian Rule Analysis



Help from field staff!

Nov. 2014
 -update Board on riparian rule process, discuss timeline

March 2015
 -Present methods for riparian modeling, econ. and ecol. info, geographic extent, stream reaches
 -Board decisions: georegions

April 2015
 -Present riparian model results, stream reaches, and econ. and ecol. info.
 -Board decisions: prescriptions, stream reaches, and voluntary and/or regulatory.

July 2015
 *Approve rule language and process for Sec. of State

*These steps happen if Board decides to commence rule making.

Supplemental material



Board Direction: Stream segments



2. The Board directed the department, in conjunction with the Regional Forest Practice Committees and stakeholders, to continue analysis of a) ..., and b) to which stream segments (i.e., only those streams with salmon, steelhead, or bull trout present; the entire network of small and medium fish streams; or something in between) the rule should apply.

Board Direction: Georegions



2. The Board directed the department, in conjunction with the Regional Forest Practice Committees and stakeholders, to continue analysis of a) Geographic Regions in western Oregon to which the rule should apply, and b)....

Board Direction



The Board adopts the following pathway forward for the rule analysis process:

1. Direct the department to continue with the current rule analysis, and in conjunction with the Regional Forest Practice Committees and stakeholders to develop prescriptions for a new Riparian Protection Rule design to meet the Protecting Cold Water criterion to the Maximum Extent Practicable and facilitate flexibility in harvest approaches through consideration of regulatory measures, voluntary approaches or a combination thereof, including:

- Variable retention;
- No-cut buffer rule alternatives; and
- Appropriate criteria for a Plan for Alternate Practice.

No-entry prescription



Prescription elements:

- Horizontal vs. slope distance
- Averaging – over what length?
- Minimum width
- Thoughts on BA-dependent (or other parameter) fixed-width? Minimum DBH, height for BA? Continuous vs. binned?

Variable retention prescription



Prescription elements:

- BA density (e.g., BA/1,000 ft., BA/ac.)
- Hardwoods:
 - all HWDs, or exclude certain species (e.g., alder)
 - HWD inside the no-cut distance count towards meeting the BA target
 - Minimum DBH, height
- Minimum DBH for conifers
- Minimum number of trees/area (conifer vs. HWD)
- Live tree retention credit for LWD placements
- Other improvements re: current rule...

Plan for Alternate Practice



Goals:

- Maximize harvest flexibility

Prescription elements:

- Threshold or change metric?
- Measure shade or proxy? How to measure it?

Note



Does not alter HWD conversion,
catastrophic prescription rules