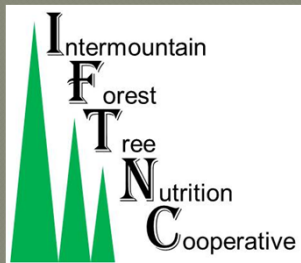


# Management Effects on Future Forest Productivity

## Phase III: Site Quality



*IFTNC Annual Meeting*  
*Terry M. Shaw*  
*4/01/14*

University of Idaho





# Nutrient Management Study Sites

Site	Region/ Cooperator	Soil Parent Material	Site Quality
Canus	NEO/ Hancock	Ash/Loess/Basalt	High
Lovell	NID/ IDL	Loess/Quartzite	Low
Ruby	NID/ Potlatch	Loess/Ash/Quartzite	Low
Slice	NEWA/ WADNR	Ash/Glacial/Quartzite	Low
Phill	NID/ Bennett Lumber	Ash/Loess/Basalt	High
Loon	NEO/ USFS/Umatilla	Ash/Basalt	High





# Study Design and Treatments

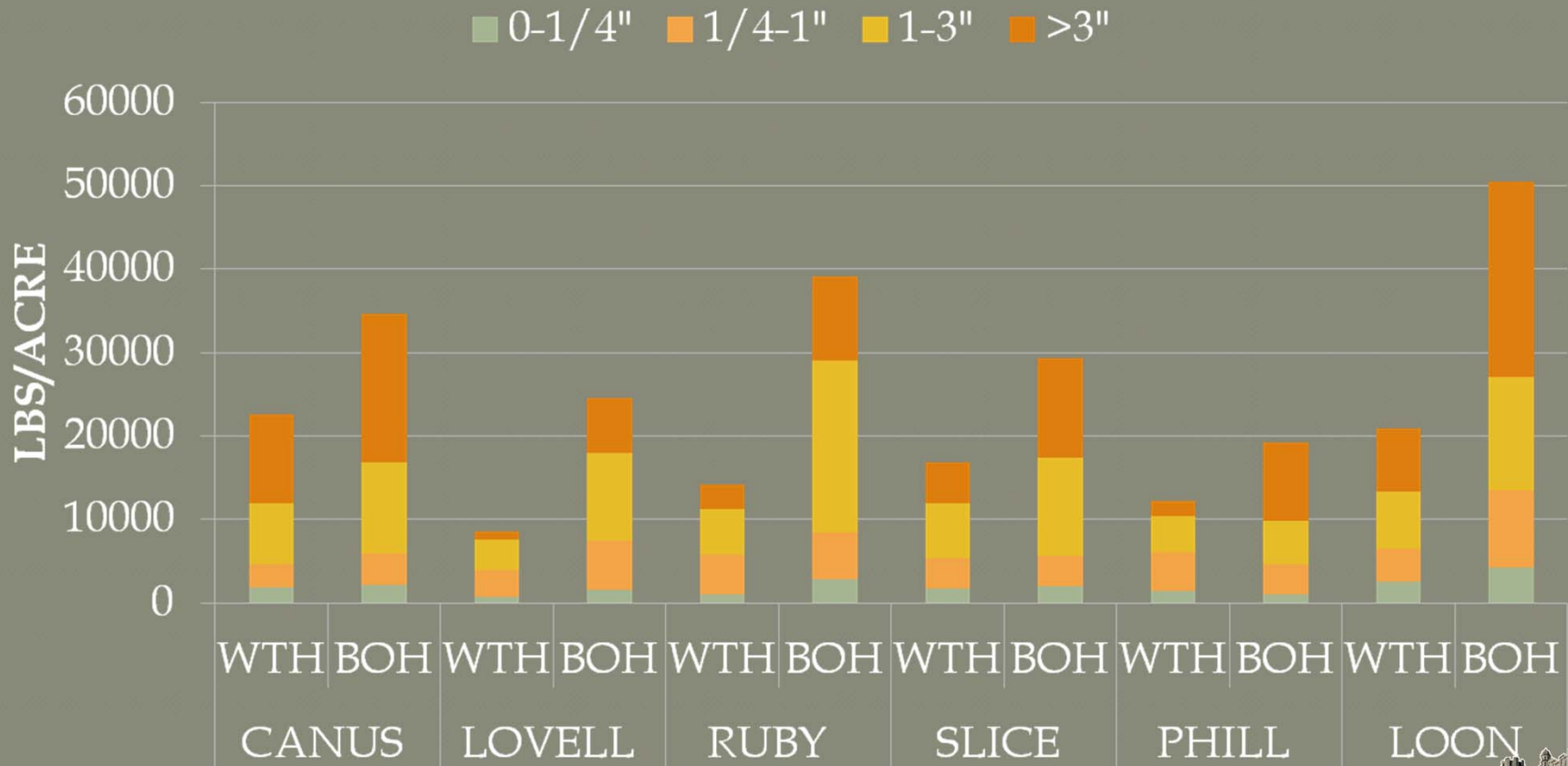


Block 1 Bole Only	Block 2 Whole Tree	Block 3 Bole Only	Block 4 Whole Tree
High Slash	Low Slash	High Slash	Low Slash
High Slash	Low Slash	High Slash	Low Slash
High Slash	Low Slash	High Slash	Low Slash
High Slash w/veg control	Low Slash w/veg control	High Slash w/veg control	Low Slash w/veg control
No Slash	No Slash	No Slash	No Slash
No Slash w/veg control	No Slash w/veg control	No Slash w/veg control	No Slash w/veg control



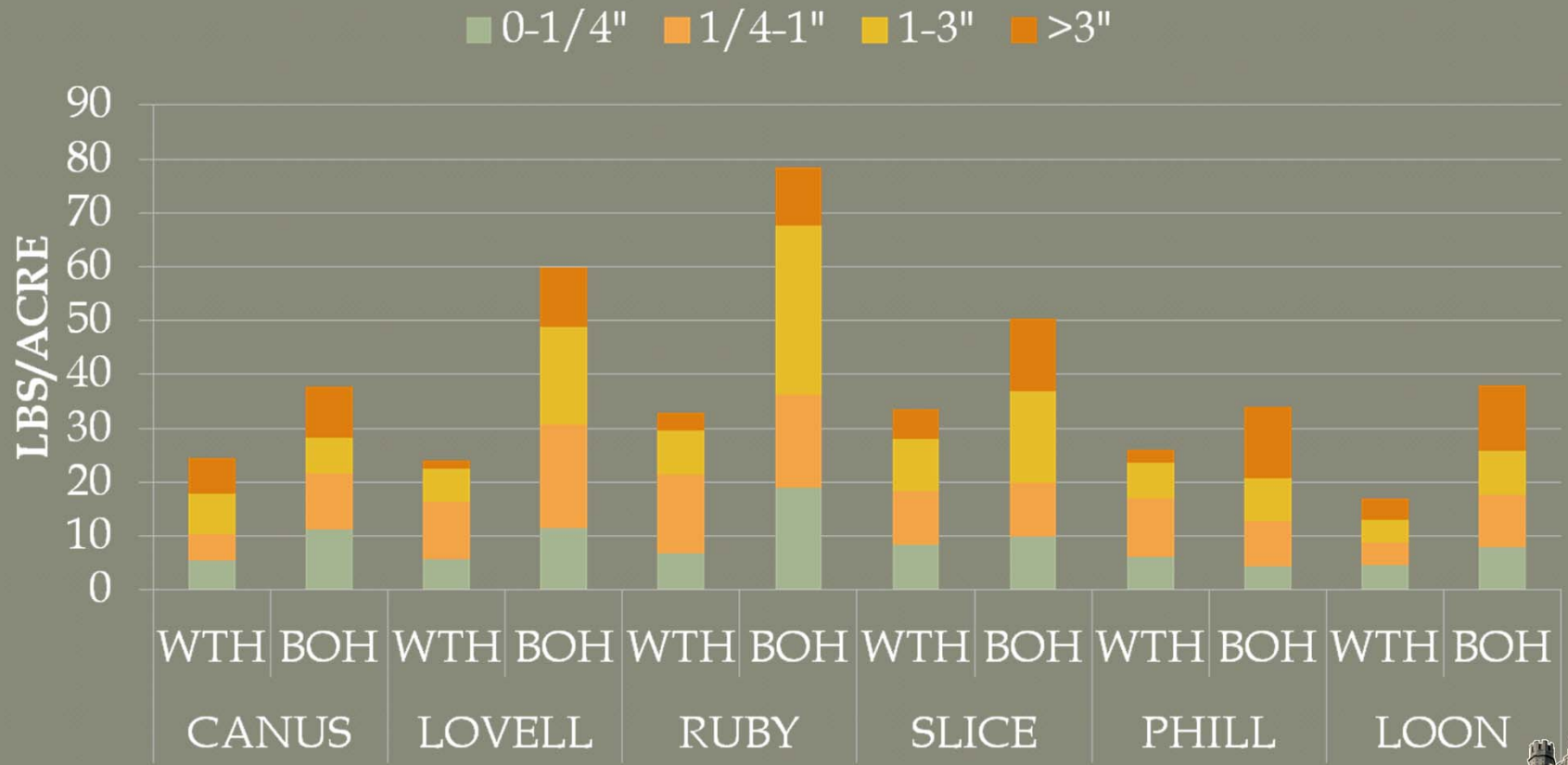


# SITE SLASH RETENTION



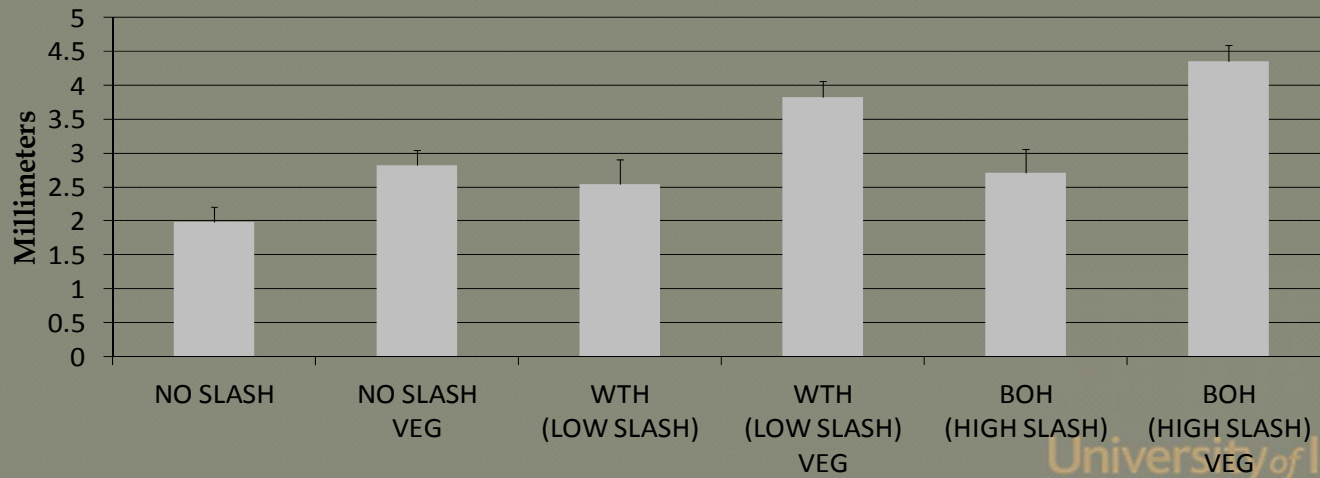
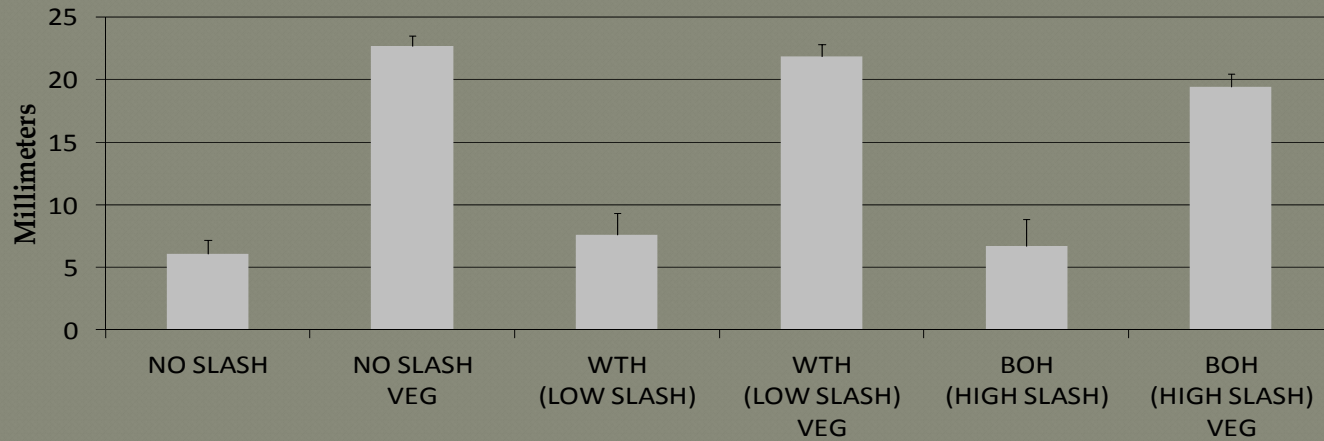


# SITE NITROGEN RETENTION



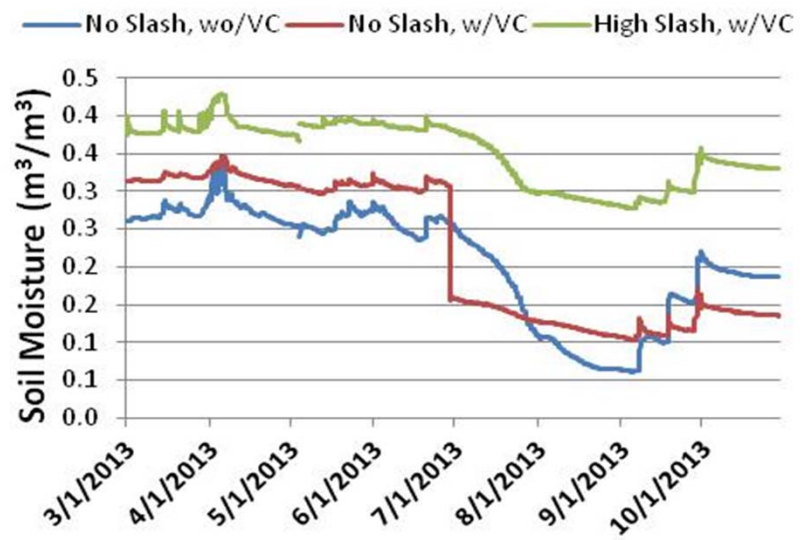
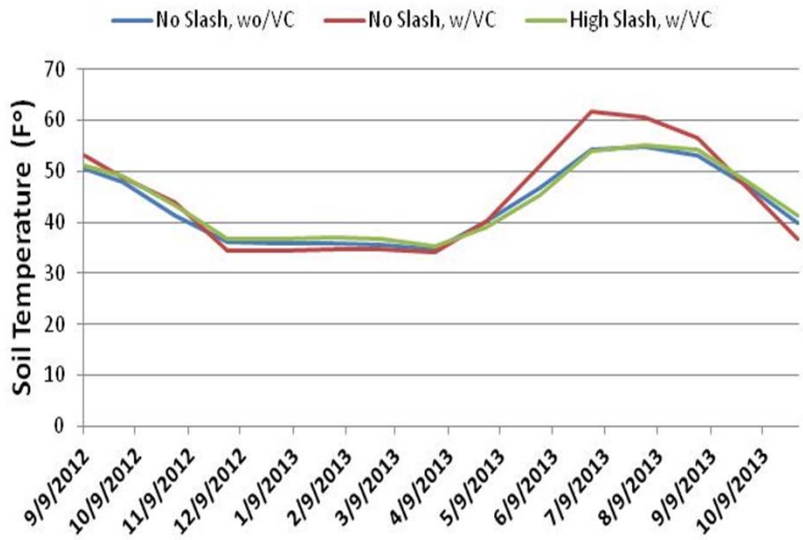
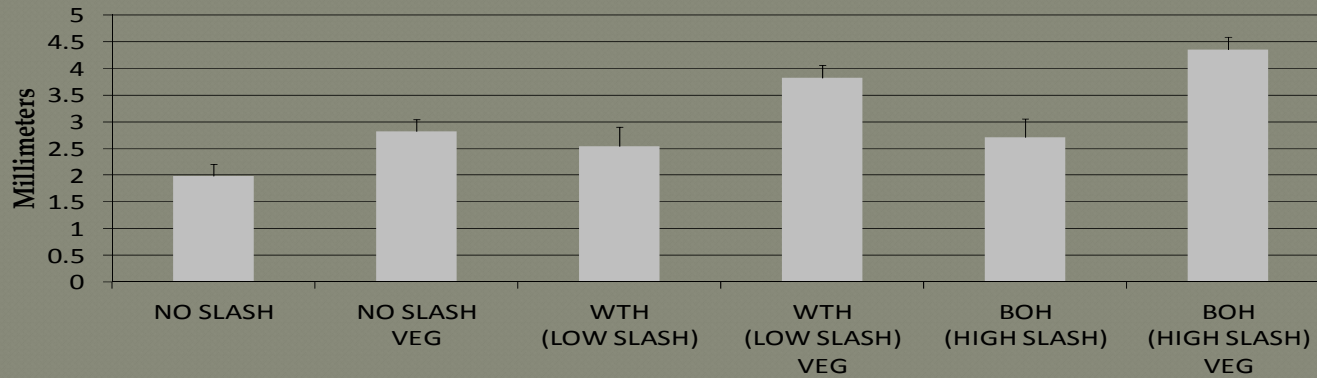


# Canus Four-Year and Slice Above Two-Year Caliper Growth





# Slice Above Two-Year Caliper Growth





## Harvest by Site Quality Study REVIEW POINTS



- Highly significant seedling growth differences were shown between vegetation control treatments.
- Results show significant seedling growth differences between the no slash treatments and slash present treatments.
- Soil Moisture and temperatures differ by harvest slash loading and vegetation control treatments.

