### The Rapid Evolution of Steep Slope Winch Assist In the Woods of the Northwest

January 19 ,2017

Western Region Council of Forest Engineers

Valley River Inn, Eugene Oregon

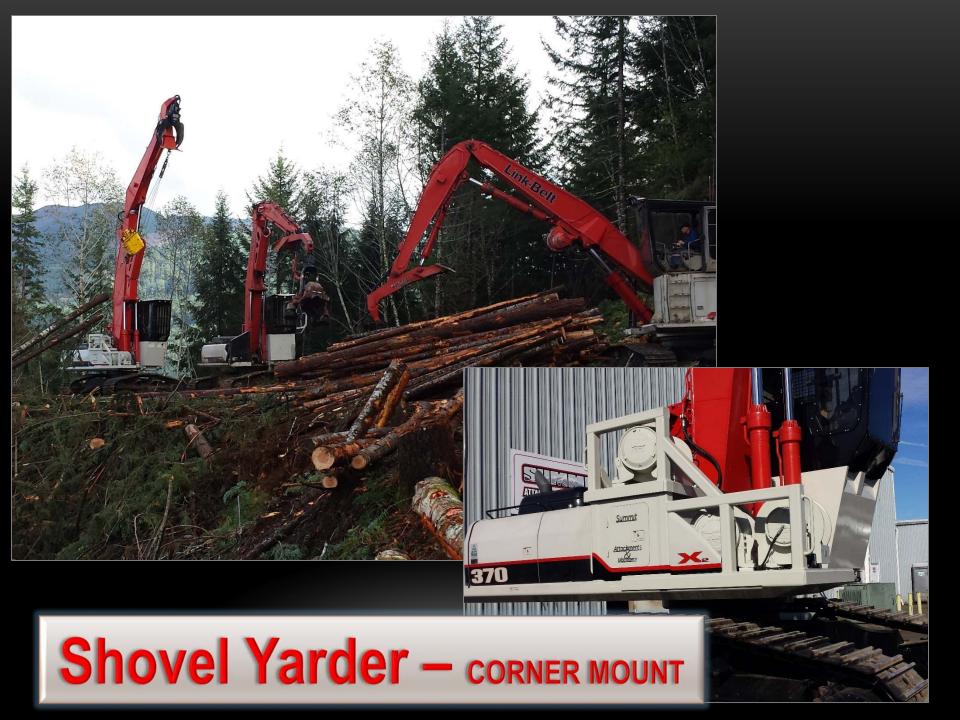
Bruce Skurdahl

Summit Attachment & Machinery LLC

# **Summit Attachments & Machinery**







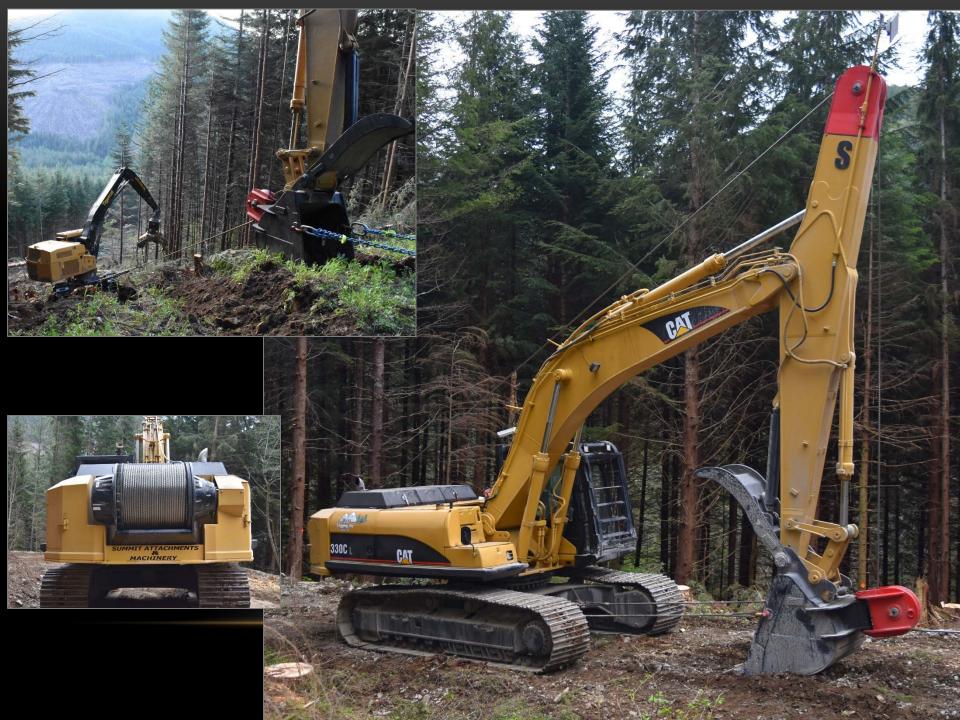


#### MECHANIZED FALLING USING STEEP SLOPE WINCH ASSIST vs. HAND FALLING

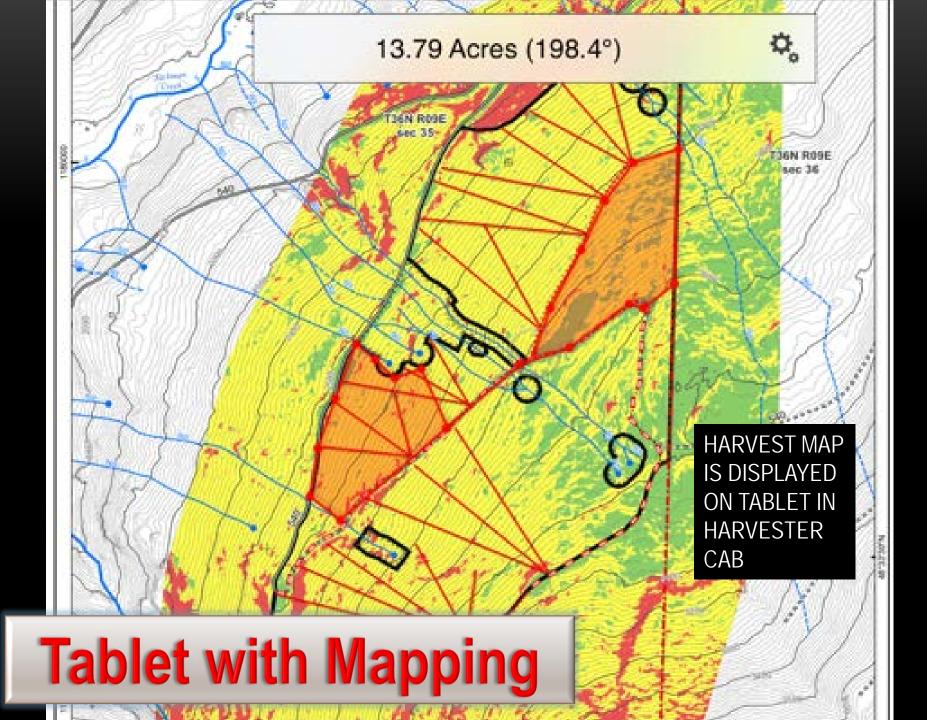
CHANNING AND

WHY USE WINCH ASSIST? INCREASED SAFETY COMPARED TO HAND FALLING









USED FELLER BUNCHER OFFERS EXCELLENT PLATFORM FOR WINCH ASSIST

DOUNNH

BASSILL

1.0

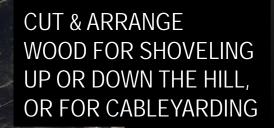
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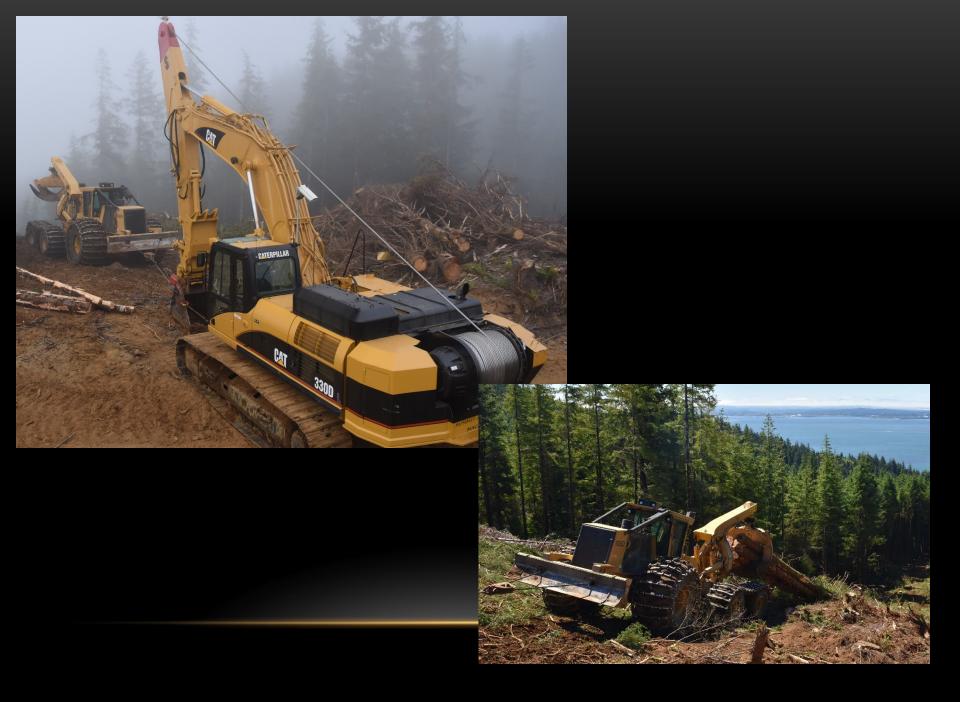




HOT SAW IS FASTER AND MORE EFFICIENT, ESPECIALLY WHEN CUTTING FOR A YARDER



# **TETHERED SKIDDER**

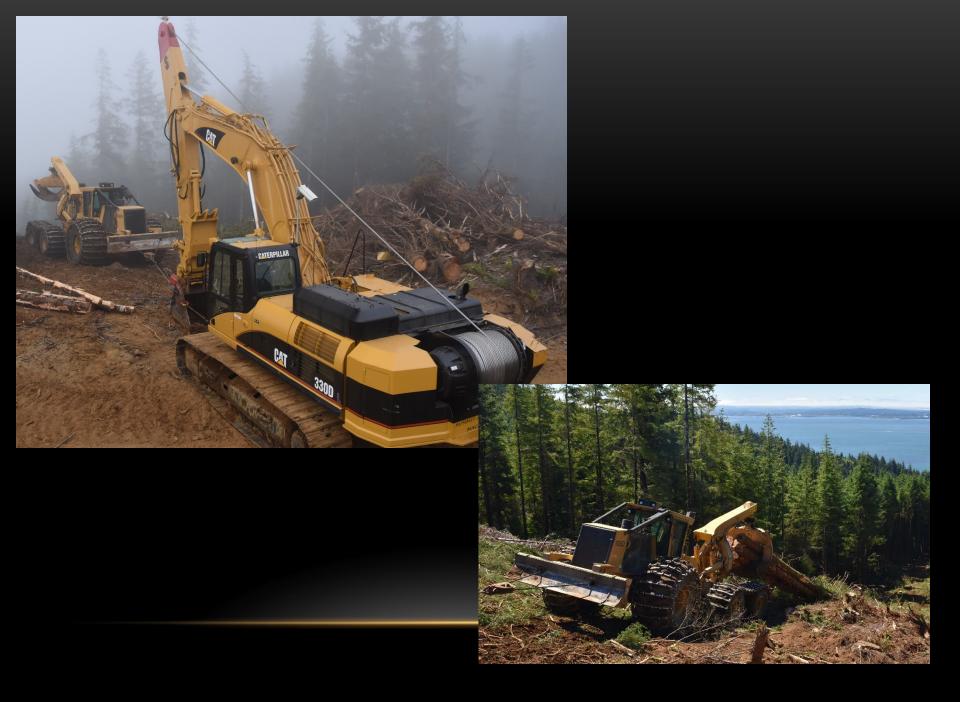


INCREASE CUTTER SAFETY AND REDUCE POTENTIAL LIABILITY FOR LOGGER & TIMBERLAND OWNER ONE MAN...TWO MACHINES... WINCH ASSIST MACHINE BURNS LESS THAN ONE TANK OF FUEL PER WEEK

### SAFETY - PRODUCTION - QUALITY

- 1. Handcutters by far have the most dangerous job in the woods, with choker setters a close second.
- 2. When timber is cut & stacked it is much safer for the crew.
- 3. Mechanized falling minimizes breakage, & results in less breakage when yarding.
- 4. On average we believe a tower side will cover nearly twice as many acres in a year.
- 5. Engineering has to change to include new techniques. Fewer roads, larger landings for increased production.
- 6. Protecting resources less roads & culverts, less rutting & soil disturbance, etc.





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# Questions....

