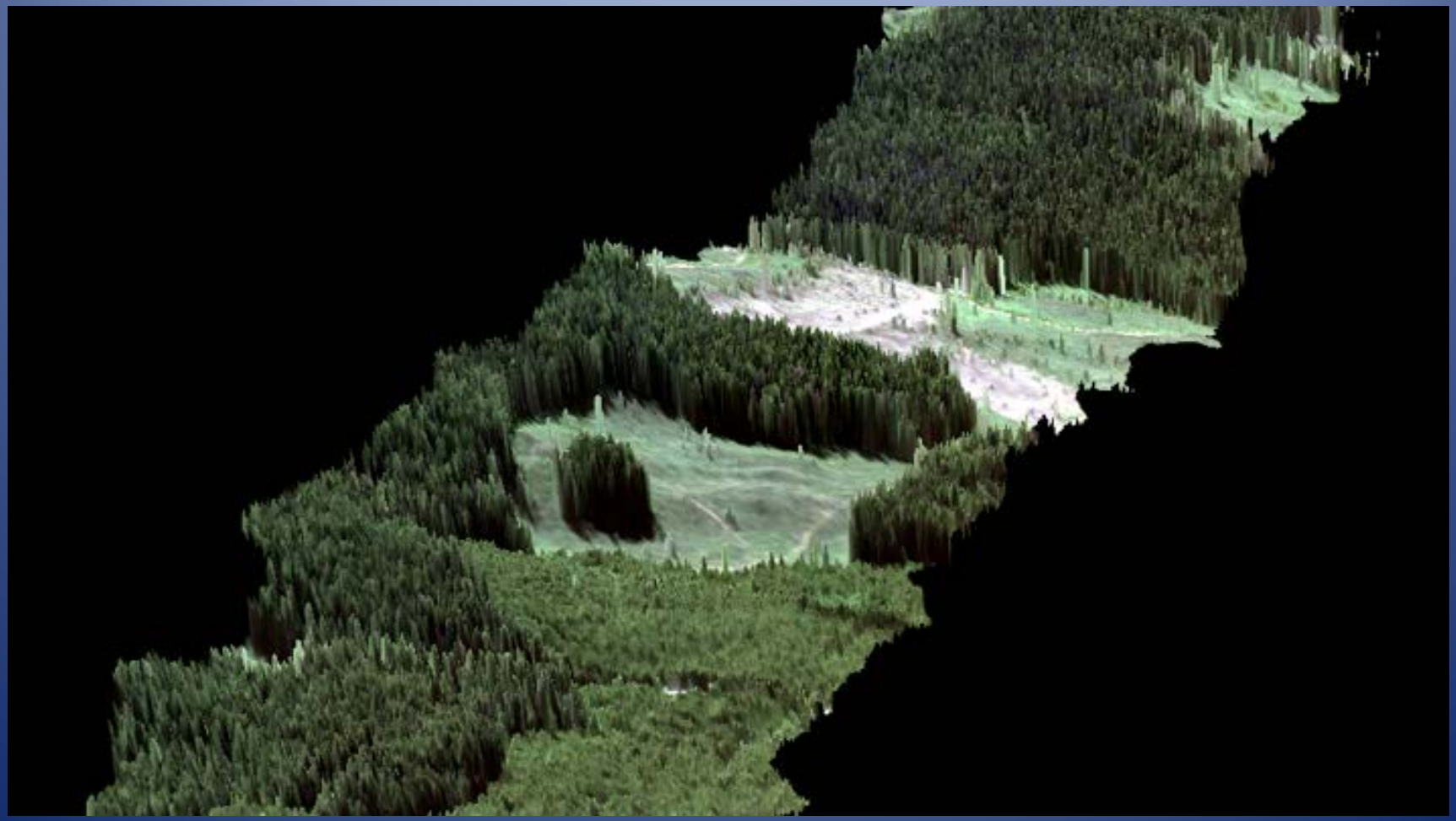
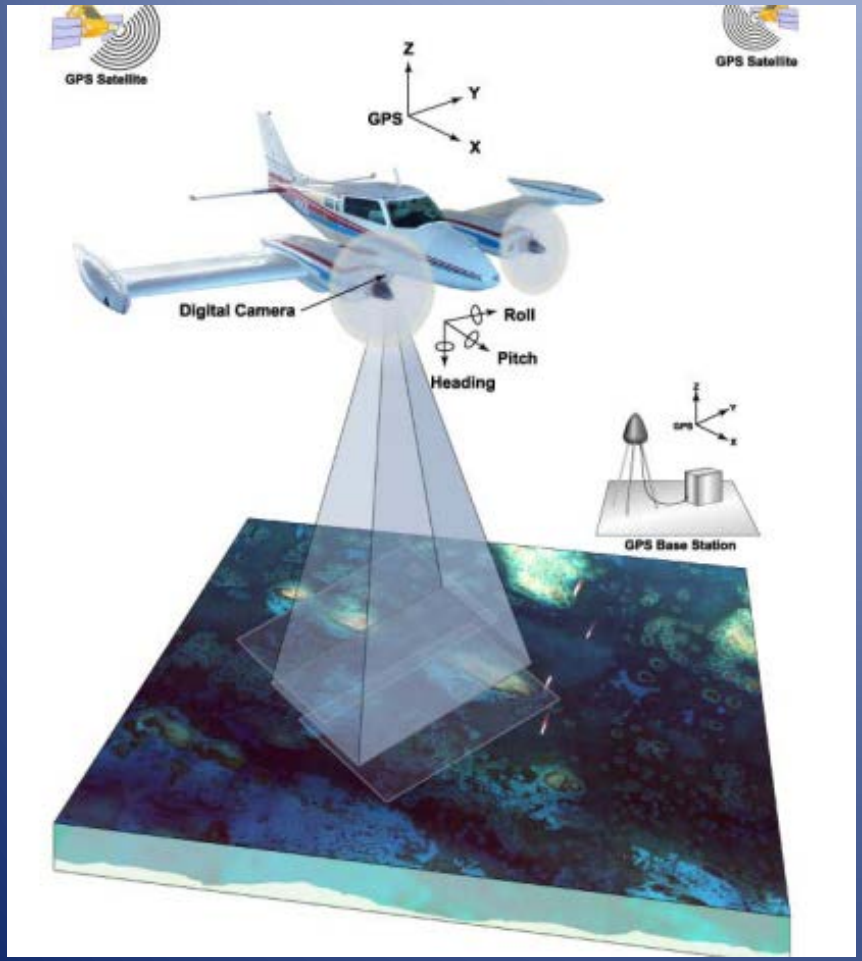
# *LiDAR For Silviculture?*



# CSC Winter Workshop
# February 28th 2013
# Agenda
# Free Growing Exposed!

| | |
|---|---|
| 9:00 – 9:15 | Introduction – **Don Pigott/Ron Elder**, co-Chairs |
| 9:15 – 10:00 | **Mike Wyeth** - History of Free Growing Policy and Legislation "How it all began" |
| 10:00 – 10:30 | Coffee Break |
| 10:30 – 11:15 | **Mike DesRochers** – Free Growing Ocular Assessments |
| 11:15 – 12:00 | **Rick Monchak** – Free Growing, Now What? |
| 12:00 – 12:15 | **Lisa Meyer** - Business meeting and Presentation of Scholarships |
| 12:15 – 13:30 | Lunch |
| 13:30 – 14:15 | **Stefan Zeglen** and **Dave Weaver** Stand Development Monitoring (SDM) - Post Free Growing – "the Early Coastal Experience" |
| 14:15 – 14:45 | **Ralph Schroeder** – C & E Free Growing Helicopter Surveys |
| 14:45 – 15:15 | Coffee Break |
| 15:15 – 16:00 | **Roger Whitehead** – LiDAR 101; **Brian Saunders**– LiDAR for Silviculture Surveys |
| 16:00 – 16:15 | Wrap-up and Intro of Summer Session – **Cosmin Filipescu** |
| 16:15 | Workshop Adjourned |

# Airborne LiDAR



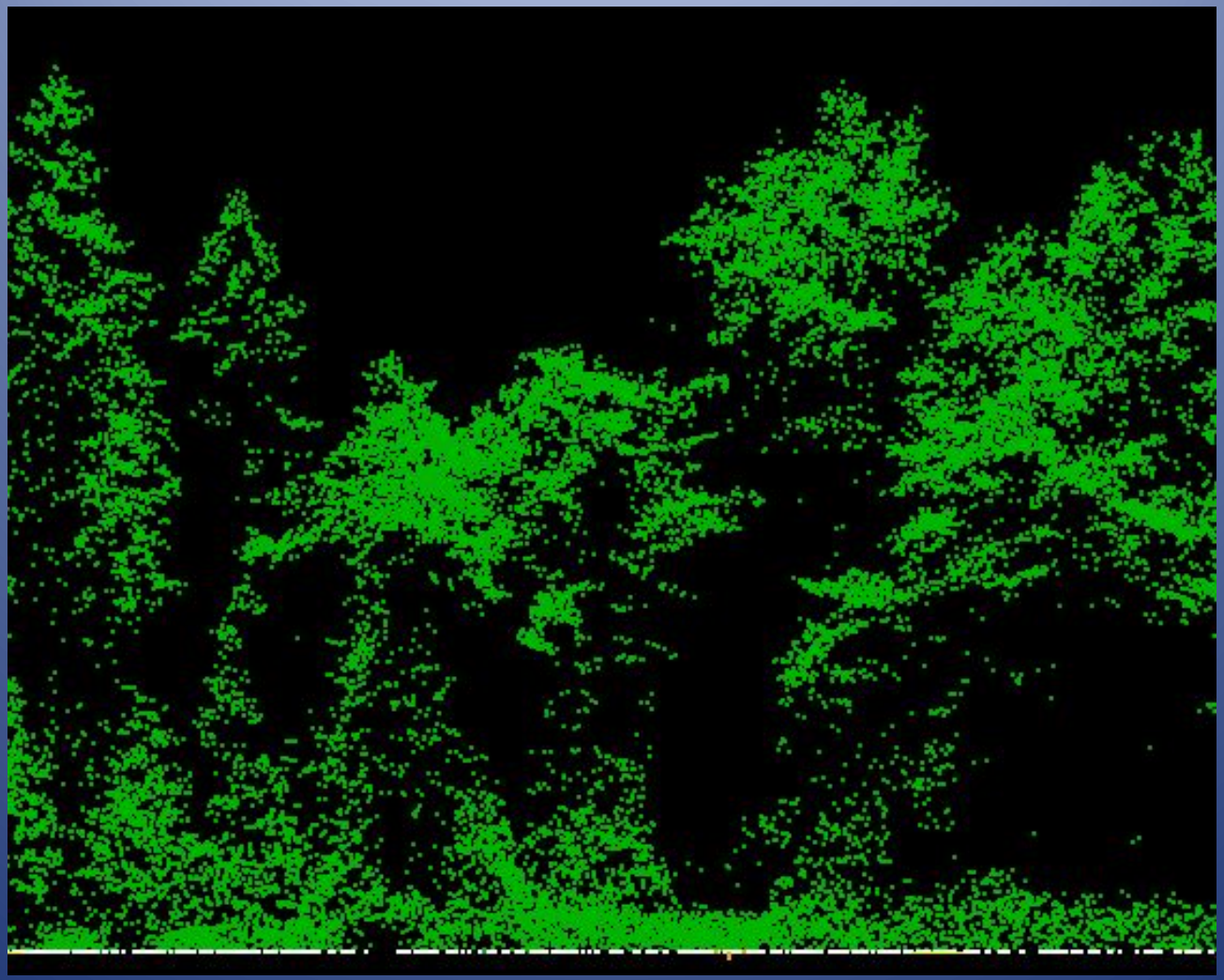

# Terrestrial LiDAR

# Airborne LiDAR

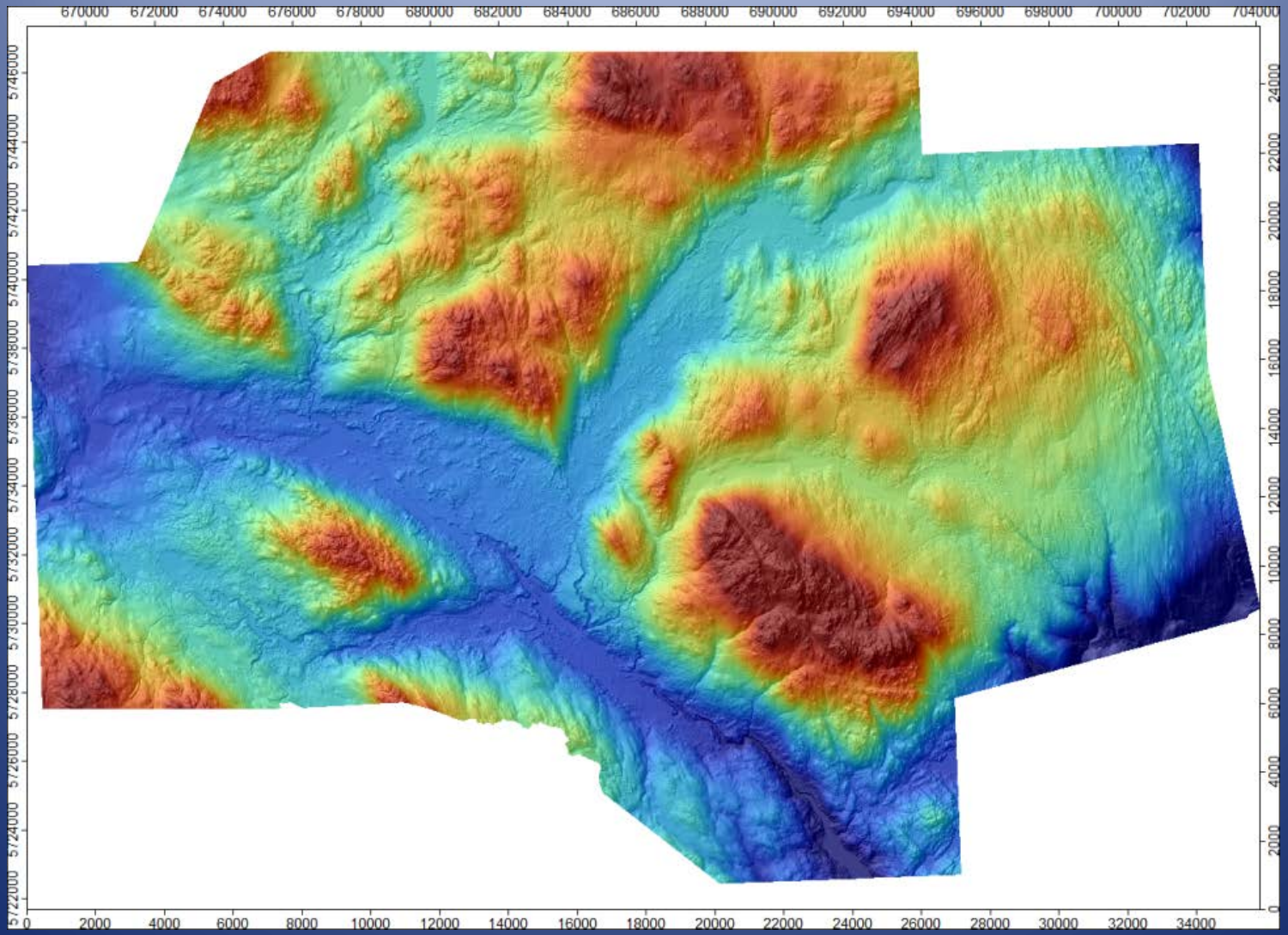

- Works well in stands that have achieved crown closure.

- Excellent Terrain Models in most Forested Conditions.

# Great For Describing Forest Structure



# Excellent Digital Elevation Model



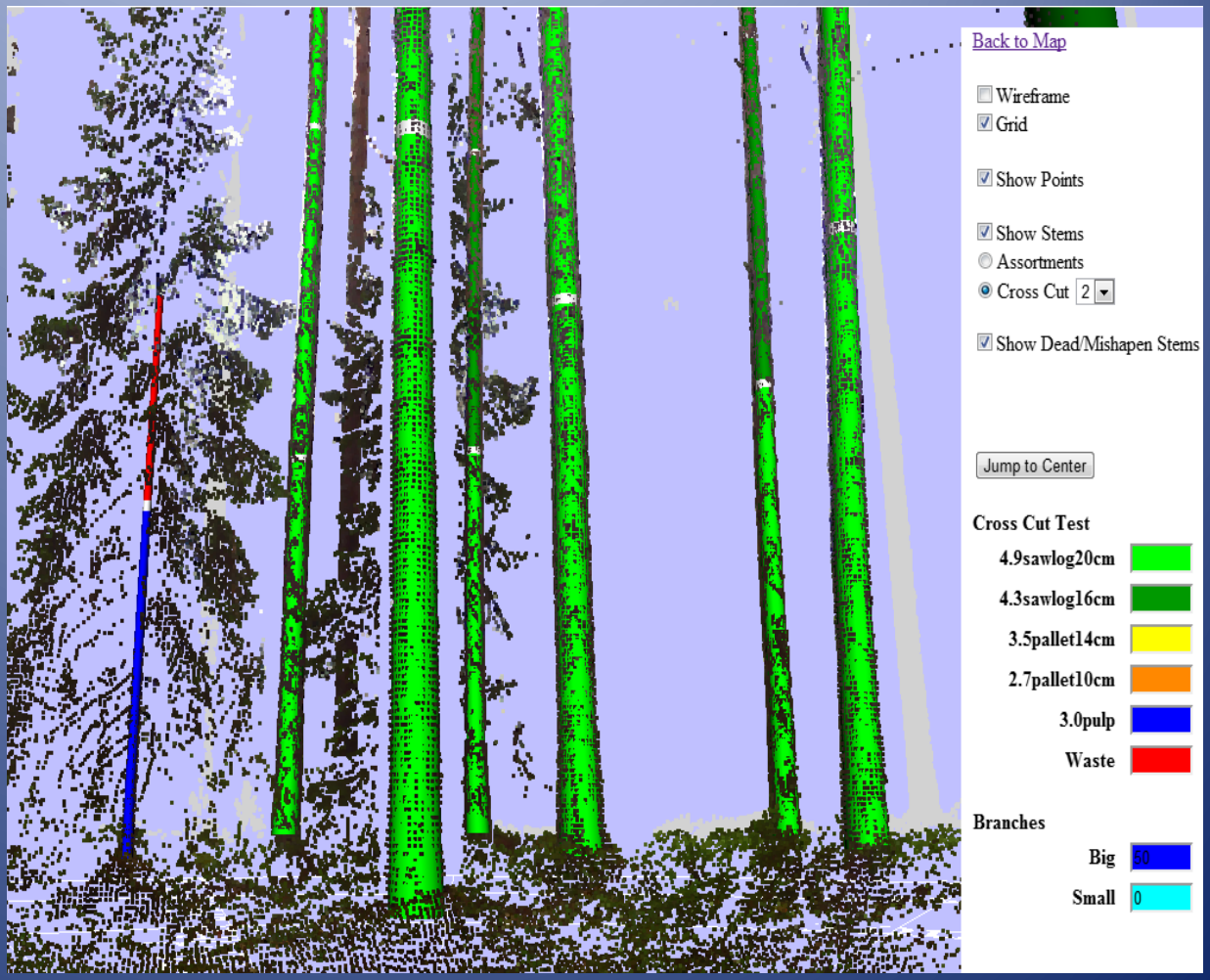
# Silviculture

- Commercial Thinning Candidates.
- Aerial Fertilization.
- Predictive Ecosystem Mapping.
- Forest Structure Management at a Landscape Level.

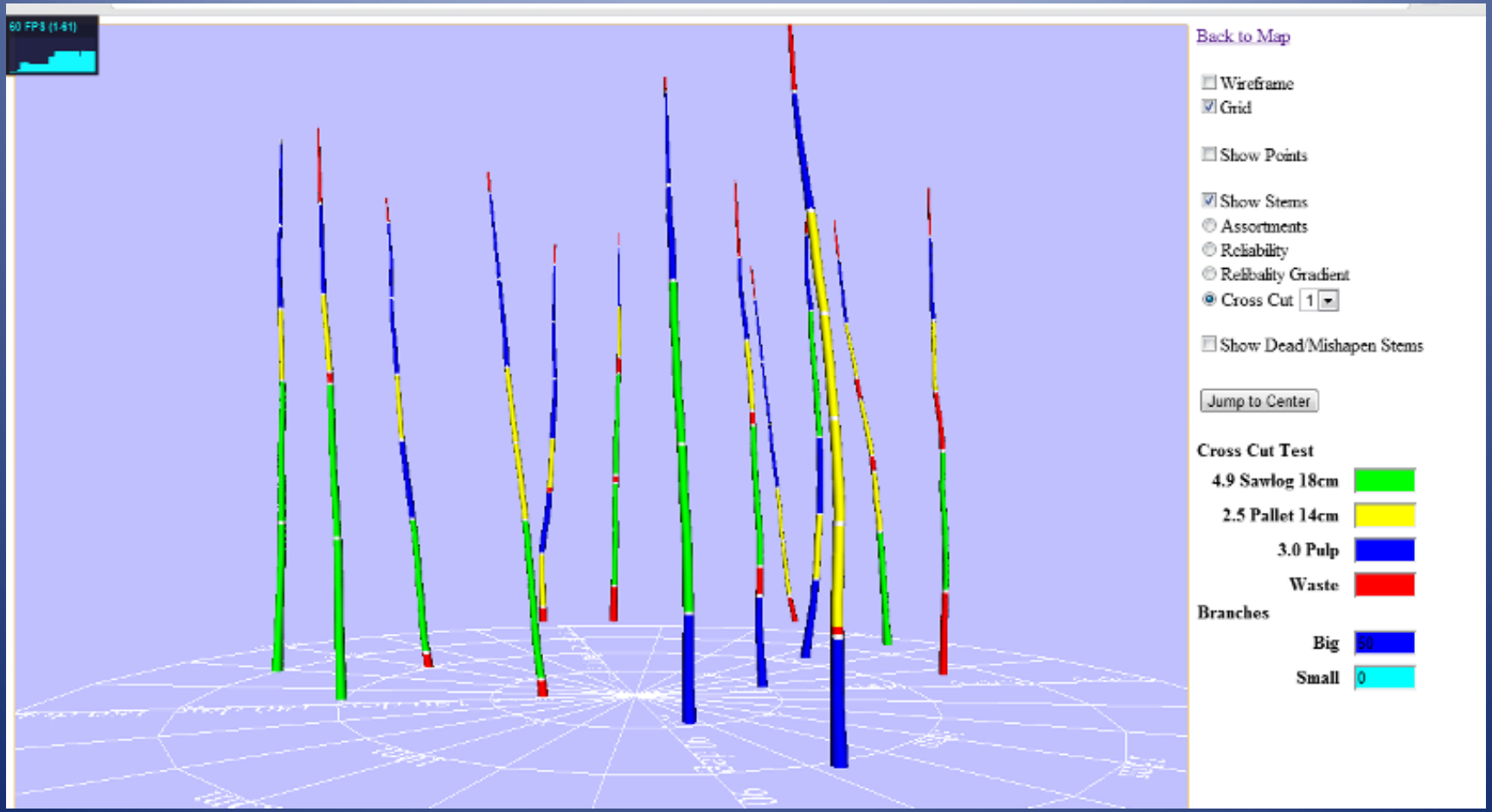
# Terrestrial LiDAR

# Silviculture Uses

- Monitoring Aerial Fertilization
- Measurement of the Forest before and after Commercial Thinning



# Simulated Commercial Thinning



*Thanks*


A/F FUEL FILTER
FUEL PUMP
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TRANS TEMP
ENG OUT
C-FEBH
GPS VFR USE ONLY
VENT