

# NESA - 2023

By Bill Woodruff, USFS Plant Pathologist

R5 FHP NE Service Area

*[william.woodruff@usda.gov](mailto:william.woodruff@usda.gov)*



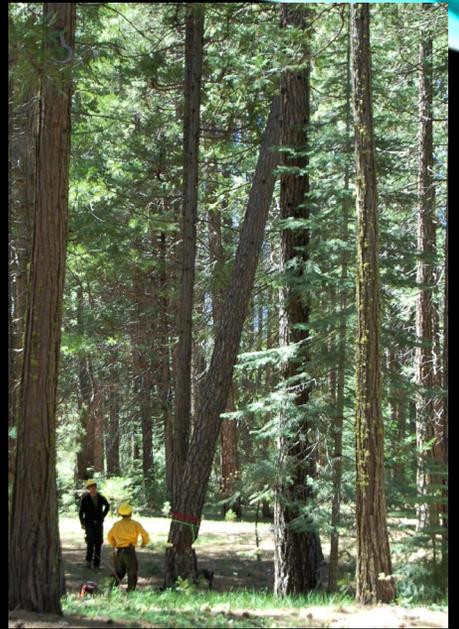
# Porodaedalea pini decay in PP in Greenville Campground

R5 Hazard Tree and Mitigation Technical Report: pine trees with five or more *P. pini* conks Have a **high failure potential**.



Little decay in top & bottom of worst PP with at least 20 conks

Much less decay than anticipated



Plumas NF Fire Crew fell & decked 37 pine with more than 5 conks



Figure 7. Decay in a 18" PP stump with six *P. pini* conks (red ovals) near the stump cut.

Maybe more conversation is needed re. *P. -pini* decay in pine?

Figure 8. Decay in the ends of four large decked pine logs



In 2023, Tahoe NF removed hazard trees in 4 Campgrounds along Hwy 49, using service contracts  
In Yuba Pass CG, all RF overstory was removed to control HRD

FHP Report NE19-01: "Root diseased red fir stands at Yuba Pass Campground contain numerous hazard trees that should be removed. Campsites may need to be relocated or closed if hazards cannot be abated."



1,000 tons biomass chipped and removed

> 1 million board feet RF decked

RF Stumps with decay



# Campsites



# 7 Ac. Safety Buffer

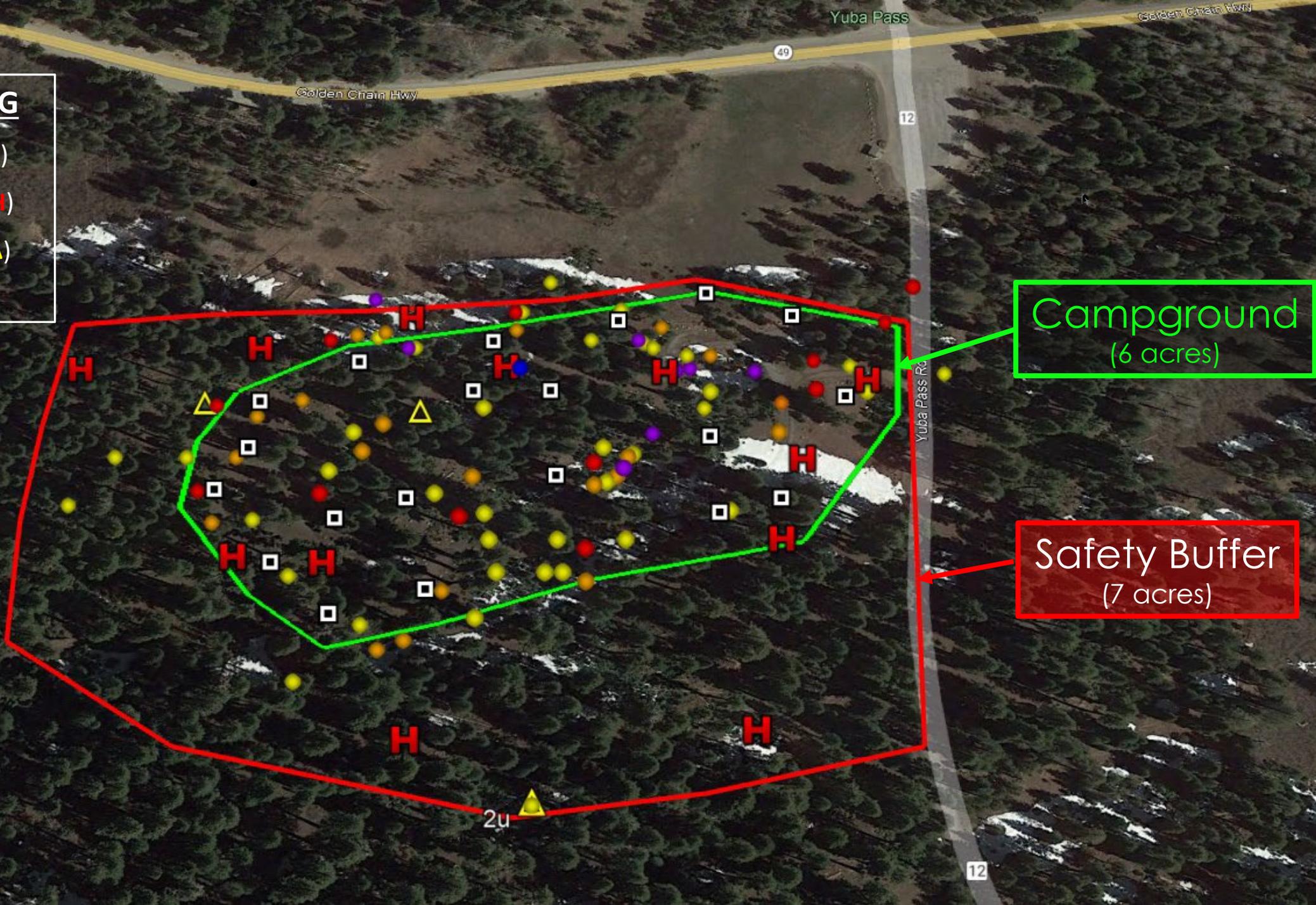


**Mapped 154 old stumps**  
(to assess past hazard tree issues)



# Yuba Pass CG

- Picnic tables (□)
- HRD stumps (H)
- Uprooted RF (△)
- Old Stumps (●)

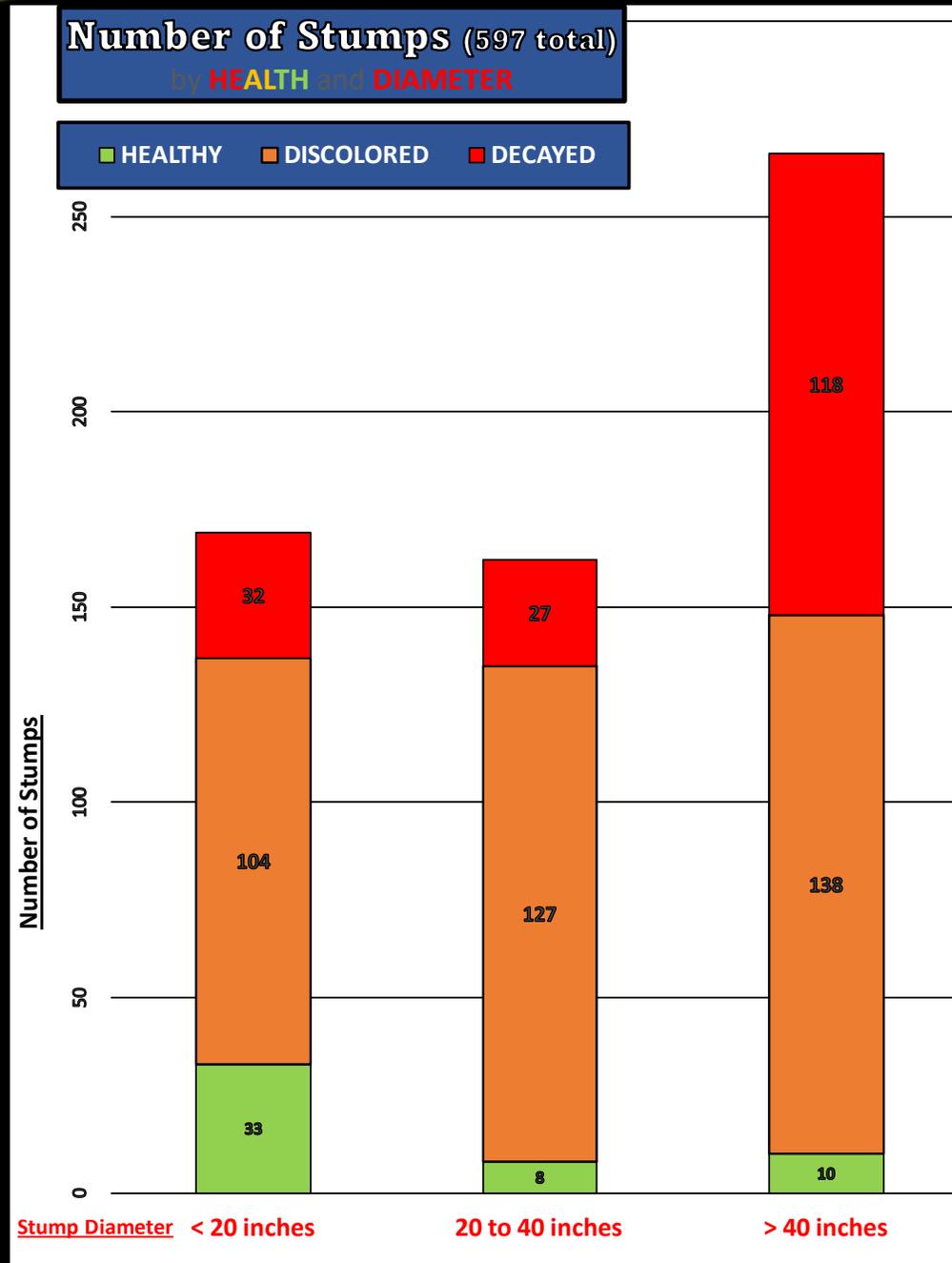


Campground  
(6 acres)

Safety Buffer  
(7 acres)

## RF Stump count by: Stump Diameter & Health

- **30% Decayed**
- **62% Discolored**  
(Incipient Decay?)
- **8% Healthy**



Instead of using service contracts...

A timber sale might have controlled HRD in YPCG and the surrounding forest more economically?



**Surrounding Forest**  
(10,000+ acres with HRD)



**Last summer Modoc NF thinned old HRD control units using masticators**



**Adjacent forest with WF HRD Mortality**

**Thinned HRD Control Regen Unit**



1993

In the '80's,  
WF HRD was controlled  
w/ Regen Prescriptions  
~200 acres were regenerated w/ pine  
1,250 acres are still infested

Image U.S. Geological Survey

Google Earth

2020

Why no new regen units, today?



**This is partly why...**

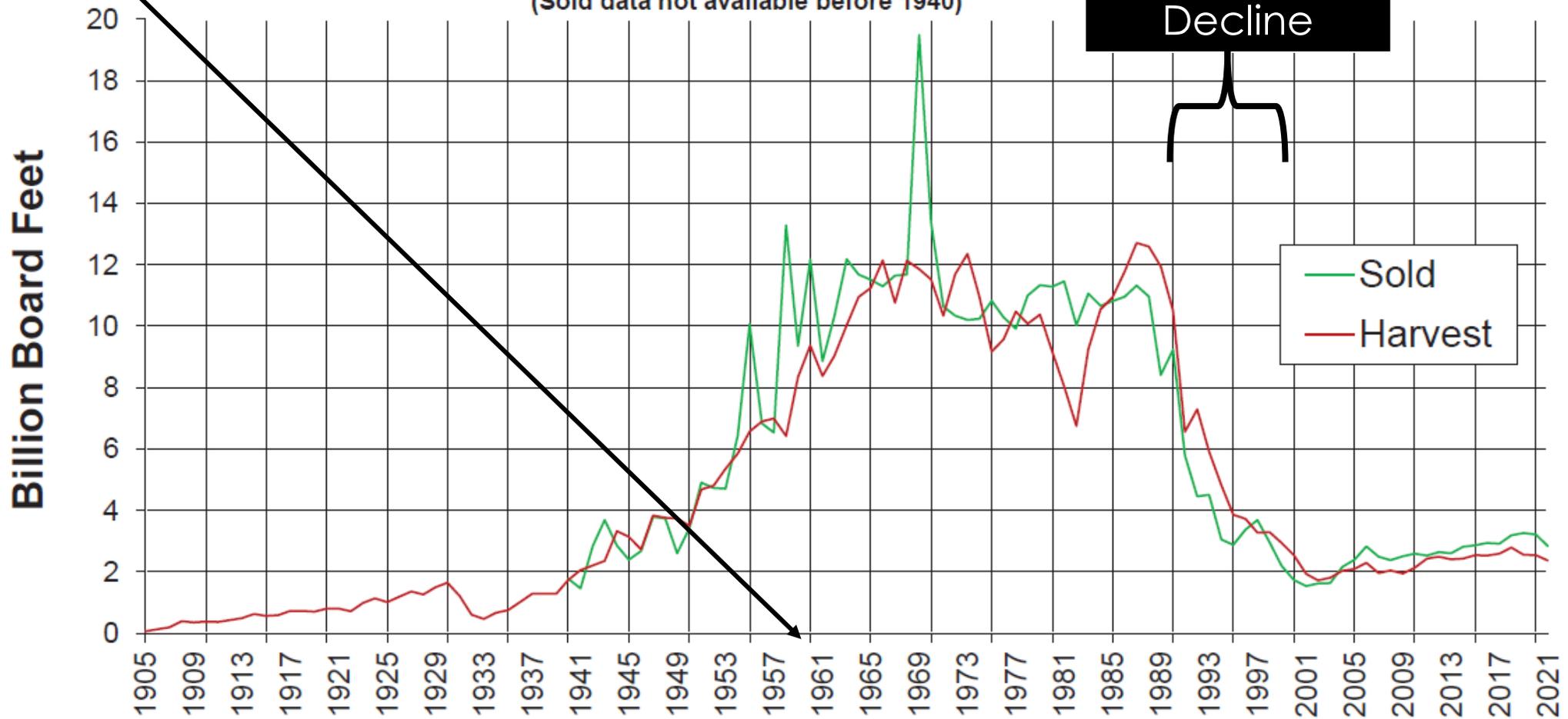
**In the 1990's, the Forest Service stopped intensive management ...**

1960: Multiple Use  
Sustained Yield Act

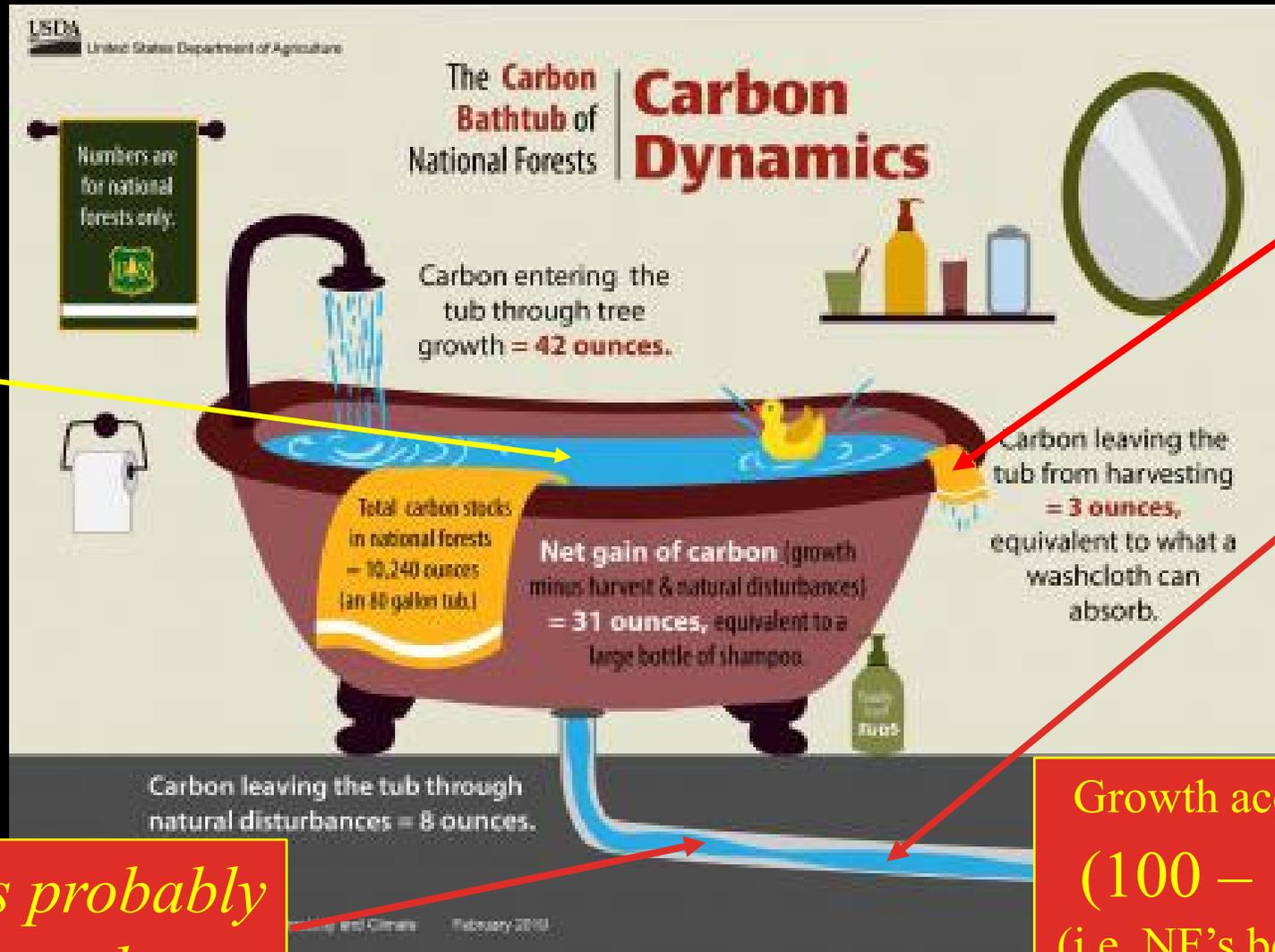
## TIMBER SOLD AND HARVESTED 1905-2021

National Forest System  
(Sold data not available before 1940)

80% Harvest  
Decline



The result of this decision is depicted graphically, below...  
...in the 2020 FIA Carbon Report (2000 to 2016 data)



Total Sequestered carbon (i.e. Growth)

Growth removed w/ timber harvest  
7%

Growth removed by disturbance  
19%

Growth accumulated this century:  
 $(100 - 19 - 7)\% = 74\%$   
(i.e. NF's became more overgrown)

Stover Mountain

Private Forest WF Mortality Evaluated  
by CDF & FHP

Why did lots of WF die after selective thinning?

Diagnosis: WF HRD

My suggestion: Remove all WF to control HRD

Lake Almanor

Image © 2023 CNES / Airbus

Lake Almanor West

Google Earth

Stover Mountain

2023

# 2021 DIXIE FIRE :

*Fire controlled  
the WF HRD;  
... while sanitizing approximately  
a half million acres of forest*

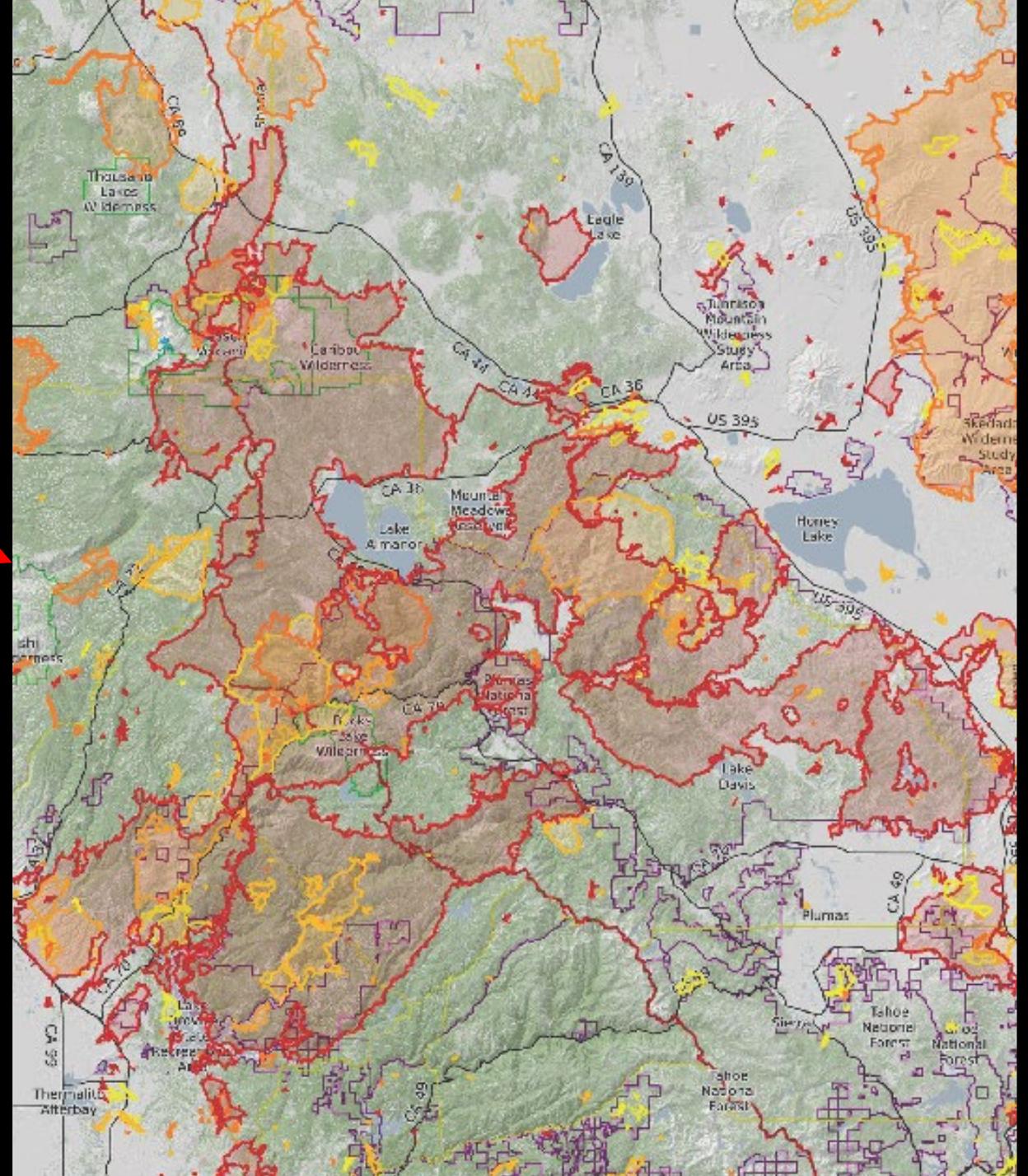


Lake Almanor

Lake Almanor West

Fires on  
Plumas & Lassen NF's  
this century

Today, FIRE is managing  
National Forests...  
...not FORESTERS





**? Questions ?**

[william.woodruff@usda.gov](mailto:william.woodruff@usda.gov)