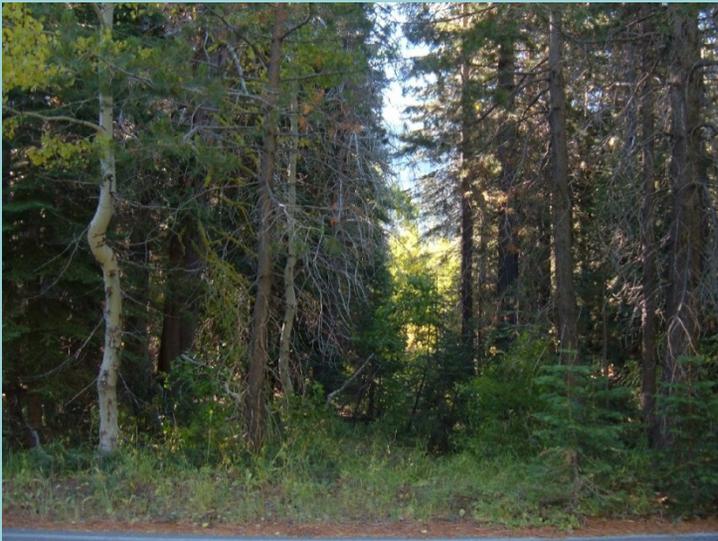


# USFS - Lake Tahoe Basin Management Unit: Overview of Planned and Accomplished Fuels Treatments

Presented by Duncan Leao, Forester - LTBMU

August 9, 2012



Understory thinning fuels reduction and aspen  
enhancement, Blackwood Canyon

# Overview of Presentation

- Summary of Treatment Types and Objectives
- Project Before and After Photos
- Overview Map of Treatments
- Summary of Project Planning and Implementation
- Questions





**High Density w/ Fuel Ladders**



## Excessive Fuel Loading

Note: These photos are not before and after but represent excessive fuel loading and potential fire effects in the event of a stand replacement fire

# LTBMU Vegetation/Fuels Treatment Objectives: Communities and Forest Health

- Prioritize treatments areas to meet objectives in the Lake Tahoe Basin Multi-jurisdiction Fuels Strategy. Treatments in the Urban Interface.
- Provide for defensible space adjacent to communities in the project area where fire suppression operations can be safely and effectively conducted.
- Move the project area toward a pre-settlement vegetative and fuels condition related to stand density, tree size class, fuel loading and species composition.
- Improve forest health by thinning trees in areas where densities are high, leading to decreased potential for spreading diseases and insect infestation.
- Create conditions that enable the managed reintroduction of fire into fire-adapted ecosystems by shifting the fire regime conditions class (FRCC) in the treated landscape from Class 2 and 3, toward Class 1 and 2.
- Improve and restore the dominance of riparian vegetation communities such as aspen, alder, willow, and meadow grasses and shrubs by removing encroaching conifers.

# Treatment Types

- Hand and Mechanical Thinning
- Chipping/Mastication
- Prescribed Burning
- Maintenance Treatments



Prescribed Burning after hand thinning



Mechanical thinning using  
Cut to length forwarding



## Kingsbury Project Area

Piled Slash ready for Burning

Before Treatment



# Kingsbury Project Area



Treatments Completed

# Hand Thinning Treatment Urban Lots – South Shore



Before



After

# Roundhill Project



Before/During Treatments

Completed Treatment

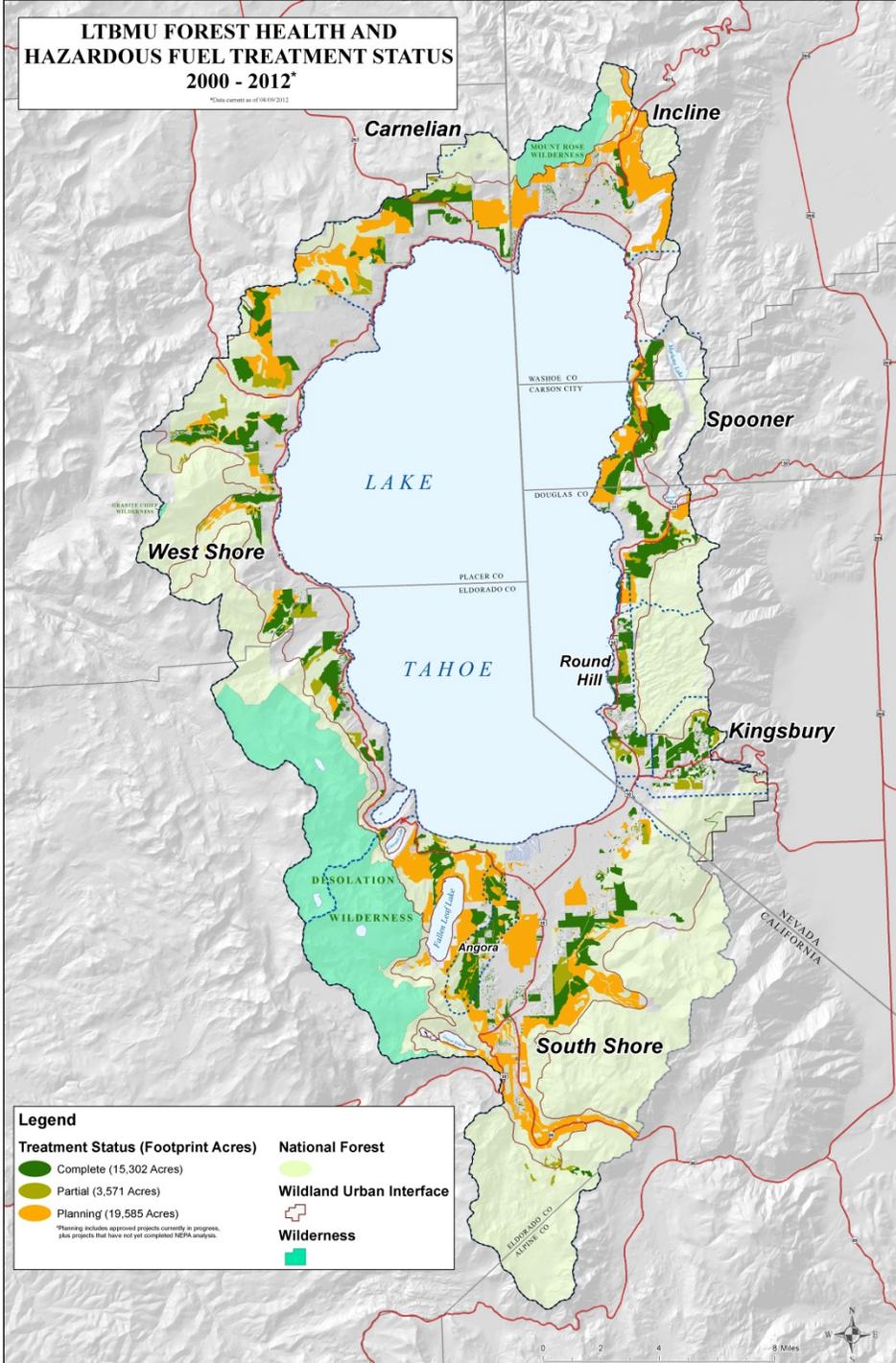


## Aspen Enhancement Before and After Thinning Biomass Removal and Piling



**LTCMU FOREST HEALTH AND  
HAZARDOUS FUEL TREATMENT STATUS  
2000 - 2012\***

\*Data current as of 08/09/2012



# Status of Projects in Planning

Project Name	Status	Total Treatment Acres
Carnelian	Completed EA – Decision Aug/Sep 2012	3,300
Incline	Estimated Decision Sep. 2012	3,900
Upper Echo Lake	Estimated Decision Aug. 2012	100
West Shore WUI	Resource Surveys Develop Proposed Action	~5,000
<b>Total</b>		<b>12,300</b>

# Status of Projects in Implementation

Project Name	Remaining Treatment	Total Treatment Acres
Kingsbury	Rx Fire <100 ac	1,000
Round Hill	Rx Fire <100 ac	950
Urban Lots	400 acres (400 in SS)	4,800
Spooner	1500 acres hand thinning and Rx Fire	3,500
South Shore	~10,000	10,200
<b>Totals</b>	<b>~12,000</b>	<b>20,450</b>

Planning + Remaining Treatment = ~24,300

# Questions



Before treatment (left). 4 years after thinning and biomass removal (right). Heavenly Valley Creek, South Shore