

# Project Locations

## Fuel Reduction Sites

 Black Butte (Mich-Cal)

 Black Butte (Mich-Cal)



Under Development (Mich-Cal)



Under Development (Mich-Cal)



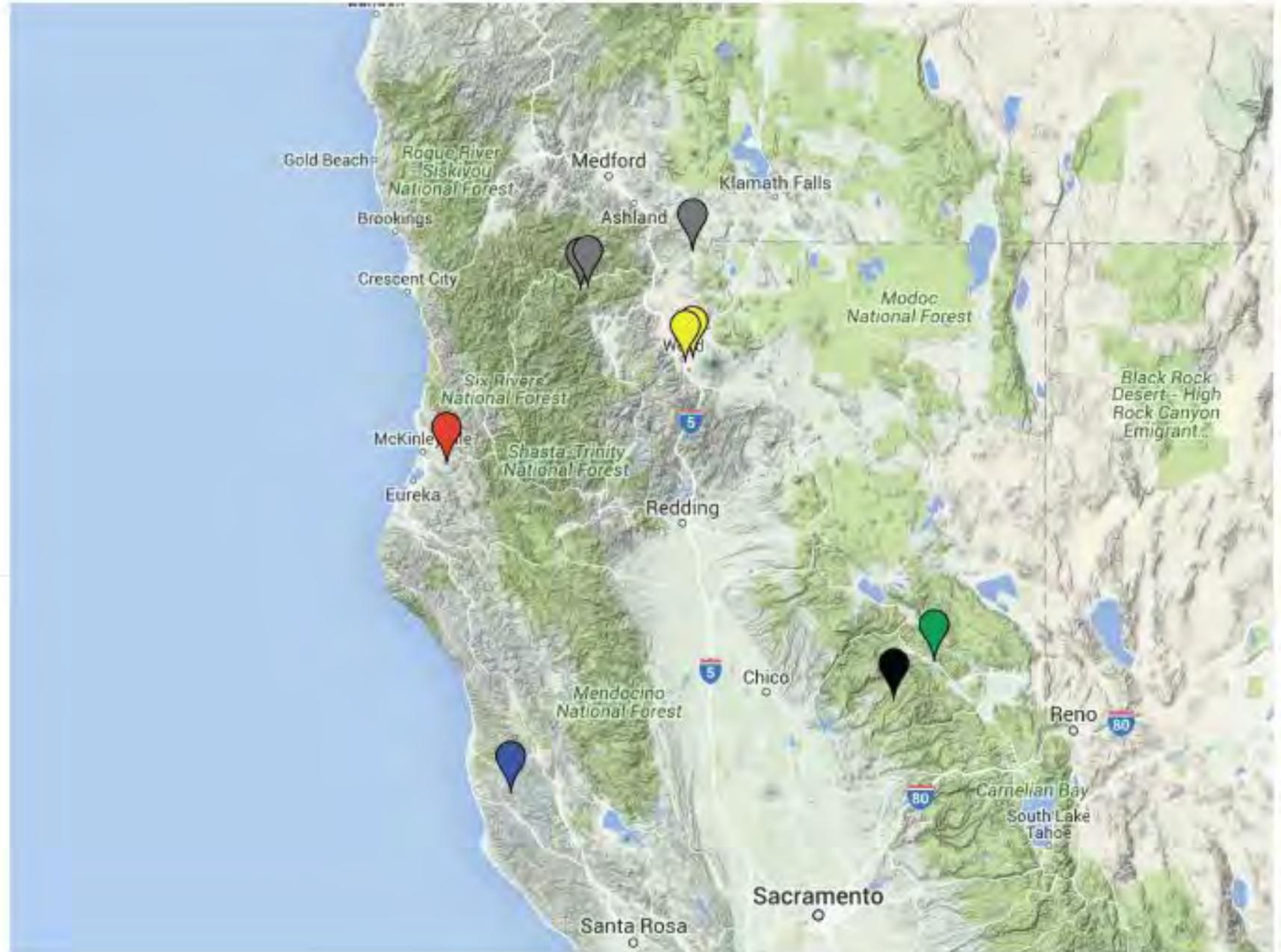
Under Development (Mich-Cal)

 Lee Summit (Soper)

 La Porte (Soper)

 Korbelt (GDC)

 NF Navarro (MRC)



- ▶ All operations were whole tree yarded
  - ▶ All operations were mechanized, with exception of some cable operations on Green Diamond
  - ▶ Operations where species value is low are highly dependent on biomass or hog fuel markets
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# 2-15EX-112-PLU

- Location was Lee Summit one mile west of Sloat
- Adjacent to the Highway 70 corridor, the Western Pacific Railroad, and the Middle Fork of the Feather River
- Work was performed March through June 2015
- Operation was only made possible because Sierra Pacific's Co-generation plant in Quincy needed hog fuel. Sawmill was shut down for an extended period for upgrading.

# BEFORE

Basal Area was  
140- 270 sq. ft./  
acre

Stems were  
100- 600 /acre



BEFORE



DURING



DURING



AFTER

Removed:  
2.8 MBF / acre  
and  
14.3 BDT /acre

Residual  
Trees /acre  
70-80



AFTER

Costs

Notice Prep, Archeology,  
Marking:

\$42 / Acre

Or

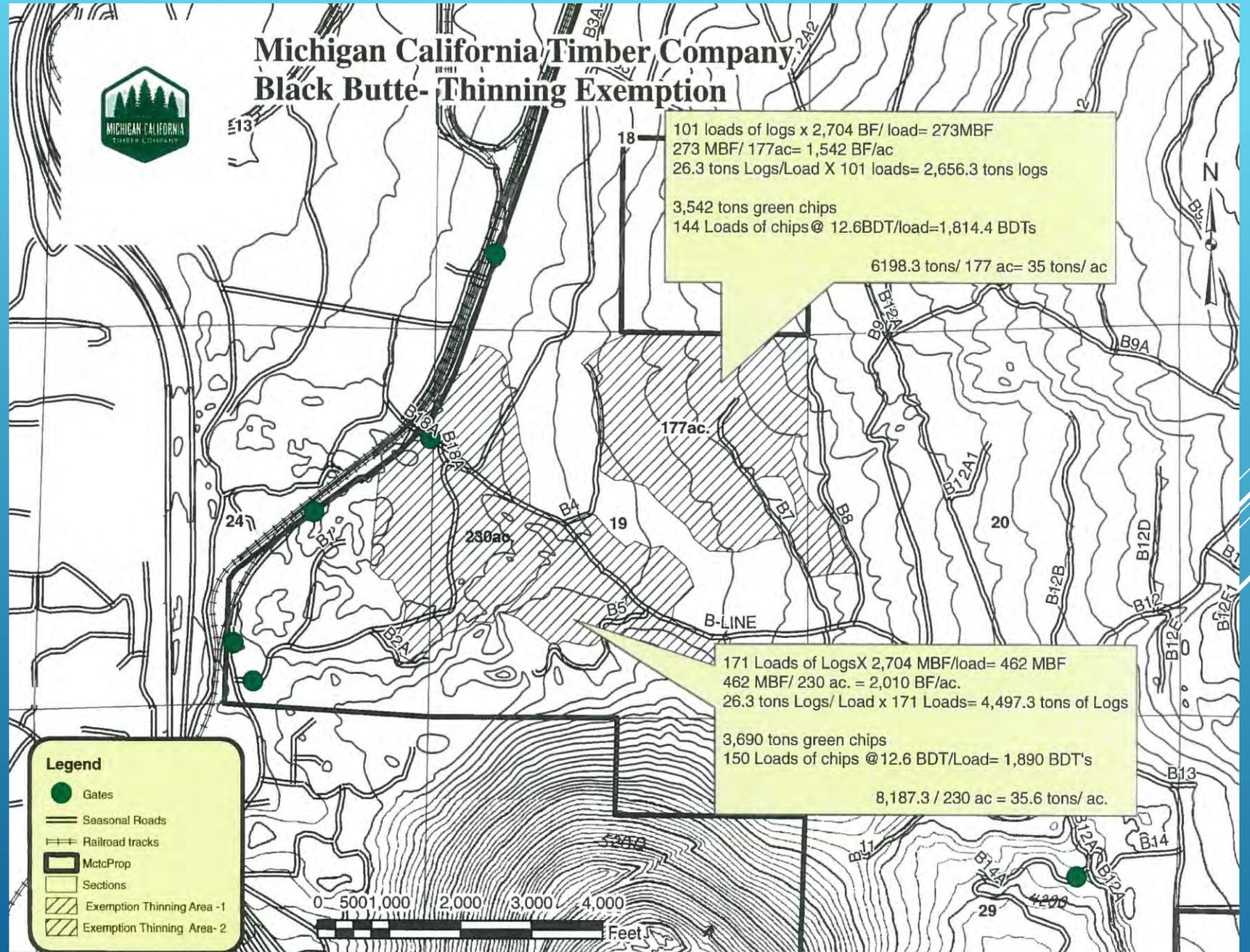
\$15 / MBF



# 2-15-EX028-SIS AND 2-15-EX092-SIS

Both less than two miles from the Boles fire, in the wildland urban interface

# LOCATION



2-15-EX028-SIS

BEFORE

Basal Area  
120-180 sq. ft./acre



AFTER

Removed

2 MBF / acre  
and  
35.6 BDT / acre



BEFORE

2-15-EX092-SIS

Basal Area  
120-180 sq. ft. /acre



AFTER

Removed

1.5 MBF / acre  
and  
35 BDT /acre



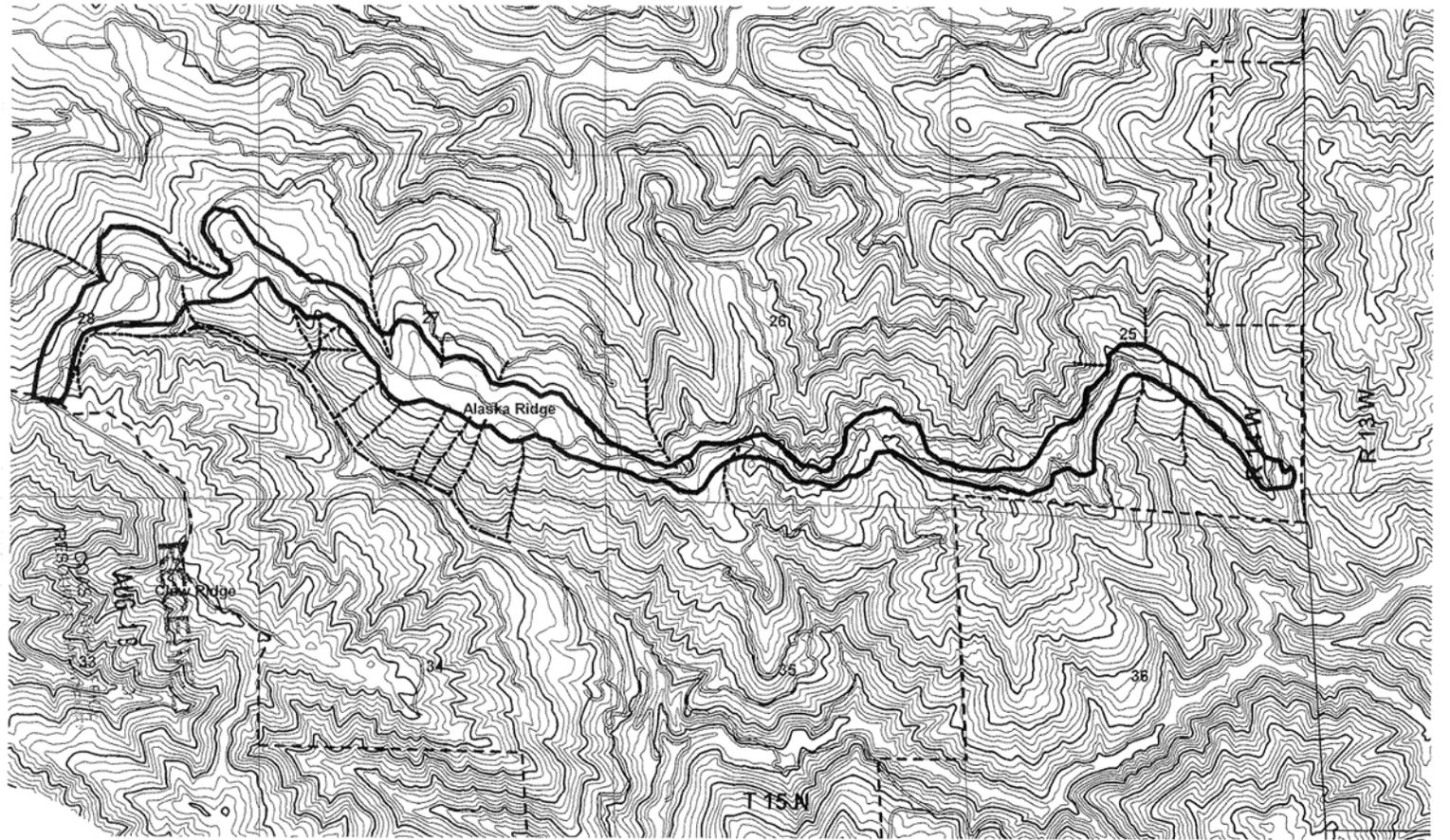


# 1-15EX-273 MEN

- ▶ THE PROJECT LOCATION IS ON A LONG TRENDING RIDGE SUITABLE FOR A POTENTIAL FIRE BREAK IN A FIRE EVENT.
- ▶ THE STAND ON THIS RIDGE IS CONDUCIVE TO TREATMENT WHILE STILL MEETING THE POSTHARVEST CONDITIONS NEEDED TO COMPLY WITH 1038(J).
- ▶ THE PROJECT IS CLOSE TO NEIGHBORING LANDOWNERS WHERE FIRE STARTS ARE MORE LIKELY TO OCCUR.
- ▶ THE PROJECT IS LOCATED 4-5 MILES FROM THE HIGHWAY 128 CORRIDOR AND THE TOWN OF PHILO.

# 1-15EX-273 MEN

▶ 270 Acres



## Alaska Ridge Forest Fire Prevention Exemption

- Exemption Boundary 
- Existing Seasonal Road 
- Class II Watercourse 
- Class III Watercourse 
- Orrs Springs, Bailey Ridge, Philo & Boonville
- 7.5 Min. USGS Quadrangles
- Contour Interval= 40'
- Scale 1"= 24,000"
- T15N R14W Sec.'s 25,26,27 & 28 M.D.B.&M.

1000 0 1000 2000 3000 4000 5000 Feet



BEFORE

Basal Area

150 sq. ft./acre  
on West End

200 sq. ft./acre  
on East End

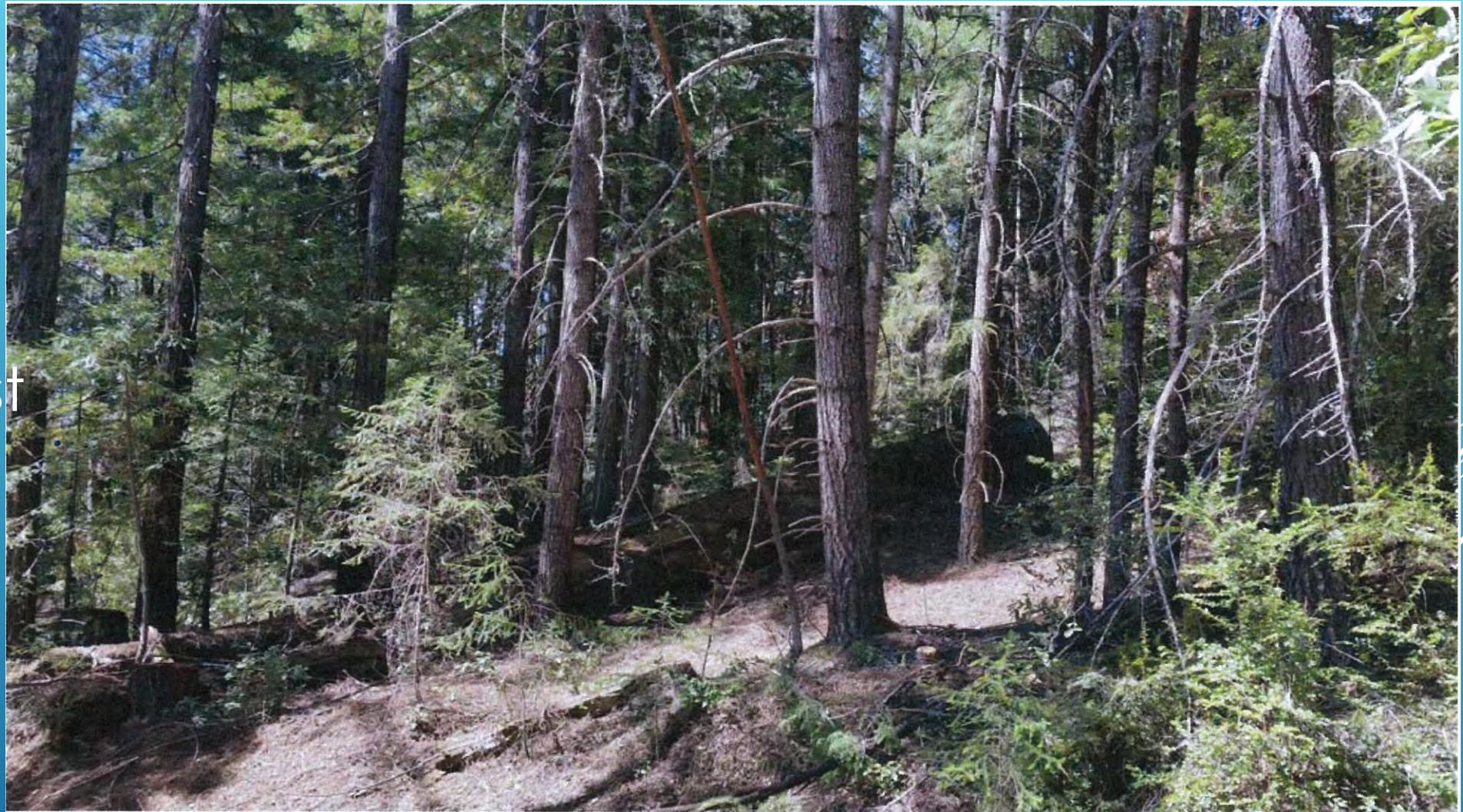


BEFORE

Trees /Acre

400 TPA on West  
End

250 TPA on East  
End



# BEFORE

RX:

All trees less than 24 inches  
stump height removed  
within 25 feet of roadway

All Hardwoods not marked  
for retention harvested or  
chipped

Brush masticated



DURING

At completion:

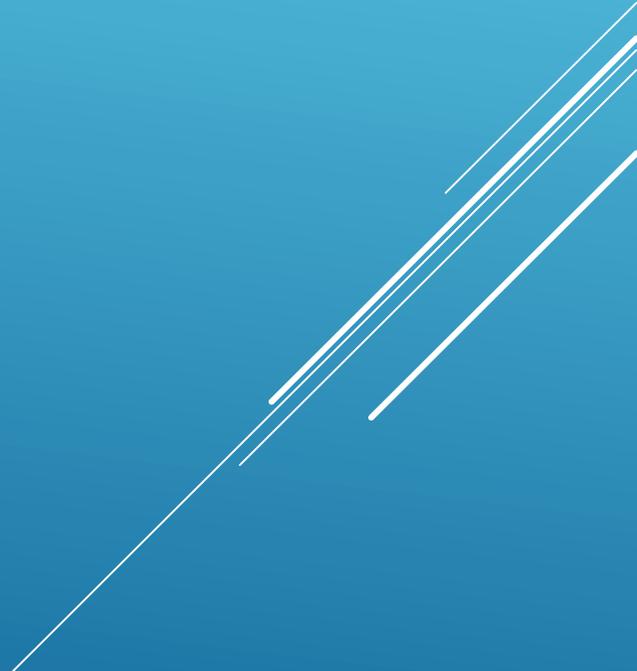
Basal Area

100 sq. ft./acre

Trees/Acre

100-200 TPA



- ▶ Observations:
  - ▶ Stump Diameter was the most limiting factor
  - ▶ Basal Area was close second. 75 sq. ft. would be better for fire resilience
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▶ 1-15EX-198HUM

Adjacent to public road (Korbel Road, old Highway 299)

One half mile from town of Blue Lake

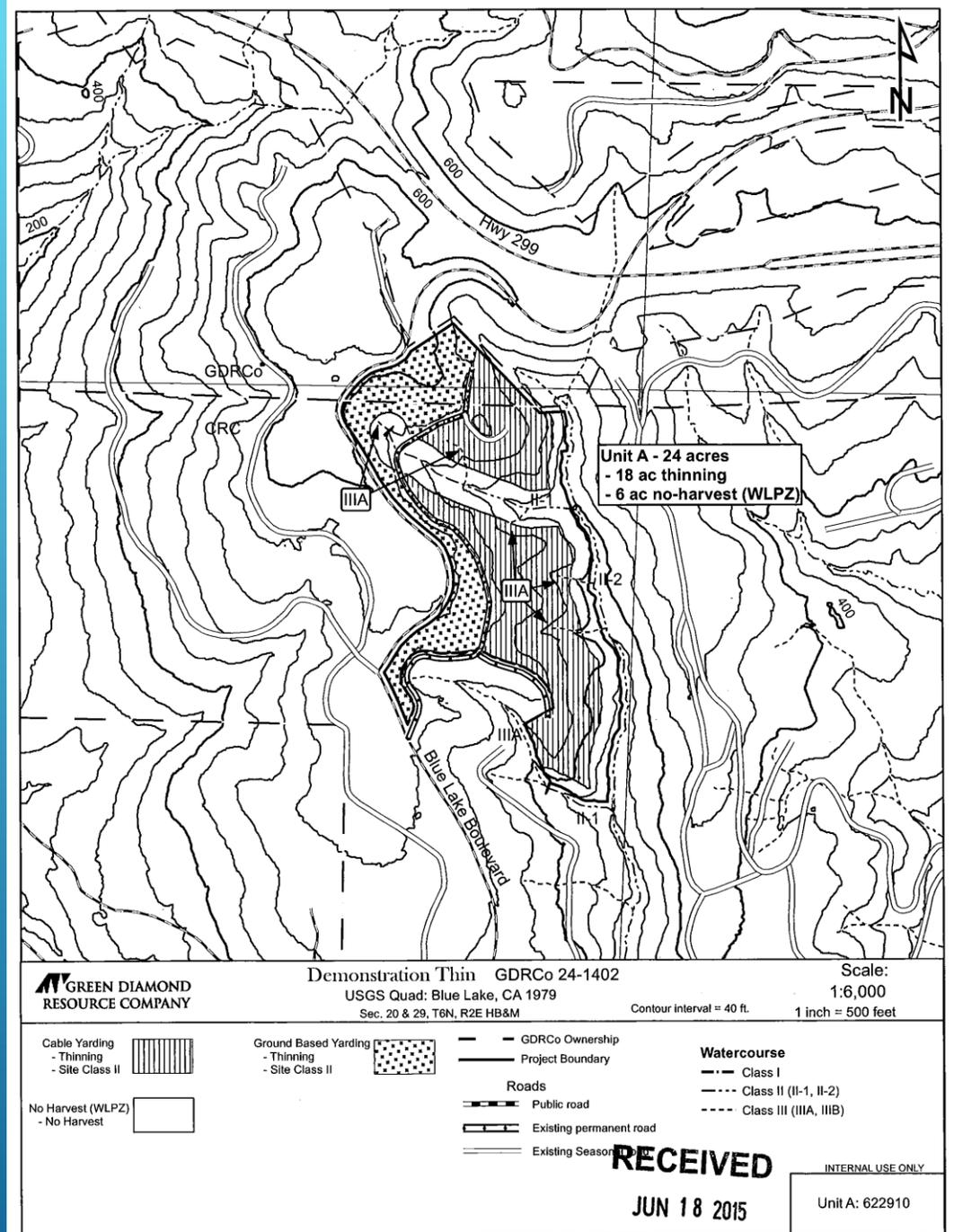
Part of an overall plan – will require future projects  
under full Timber Harvest Plans

1-15EX-198HUM

-32 year-old, Third generation redwood stand

- inter-planted

- pre-commercially thinned



BEFORE

400 Trees/Acre

300 BA/Acre

35 MBF/Acre



BEFORE

Class II WLPZ

Note: the WLPZ has the same characteristics (trees per acre, etc.) as the rest of the stand, but is left untouched



AFTER

Tractor area  
with WLPZ

200 Trees/Acre

150 BA/Acre

24 MBF/Acre



AFTER

Cable area

200 Trees/Acre

150 BA/Acre

24 MBF/Acre



# WHOLE TREE LOGGING WITH SLASH CHIPPING



STANDARD THP  
THINNING  
OPERATION  
UNDER 913.2



# CONCERNS/POTENTIAL IMPROVEMENTS

Shorter lifespan ( 1 year vs. 7 years)

No road construction allowed

No avenue to mitigate for  
Wildlife/Botany/Archaeology constraints (If  
present, THP required)

Trees per acre requirement (Less than 200  
(3"+))

Canopy requirements

Limit on size of trees harvested (less than 24"  
stump diameter)

QUESTIONS?

