

2014-2015 Fire Protection Project

By

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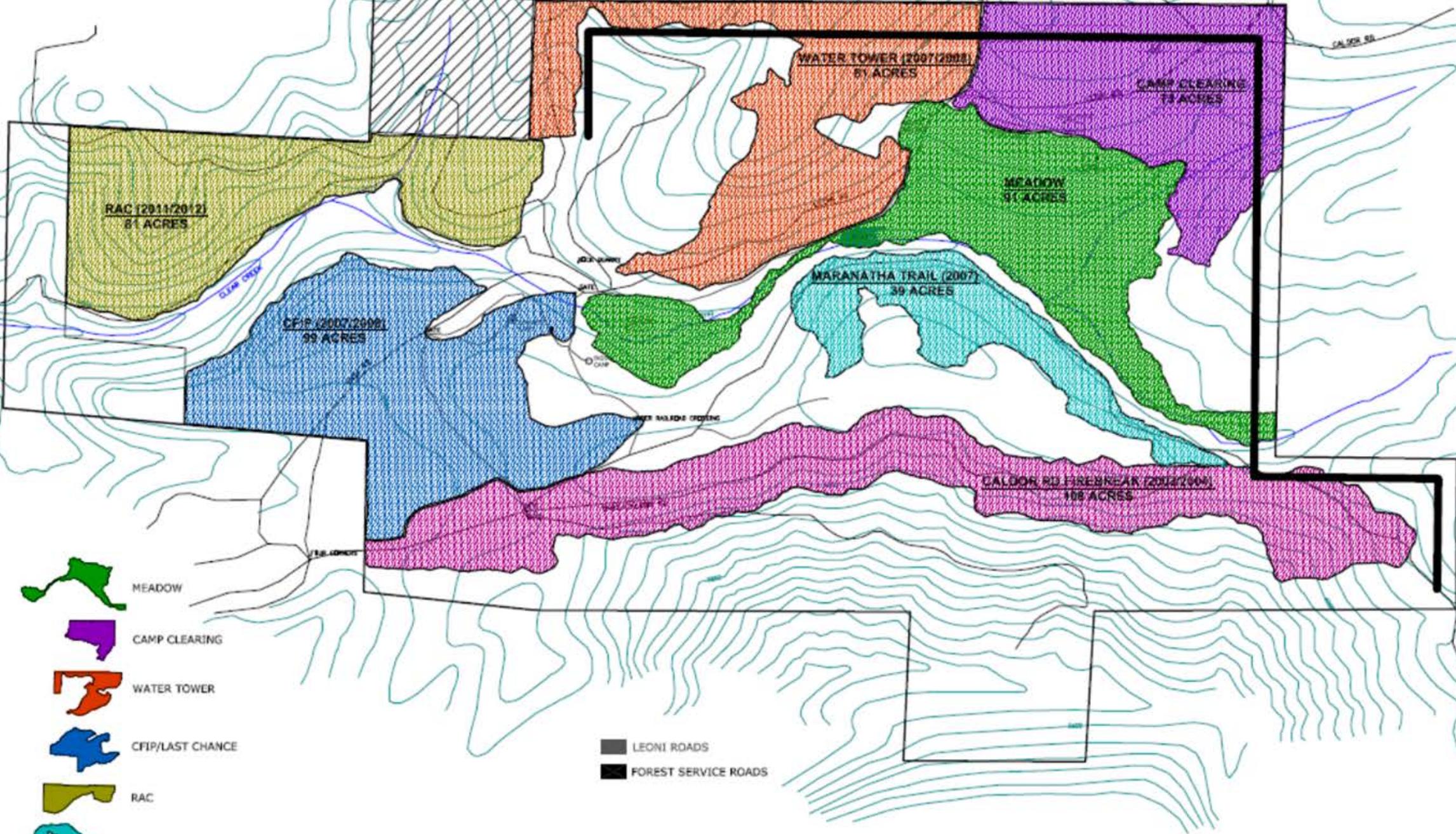
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Forest Management at Leoni Meadows

- Practiced a variety of fuel reduction techniques for many years.
- Thinning trees
- Burning ladder/ground fuels
- Removal of dead & dying trees
- Timber Harvest Plan
- Non-industrial Timber Management Plan
- Seven different vegetation management projects have been completed.





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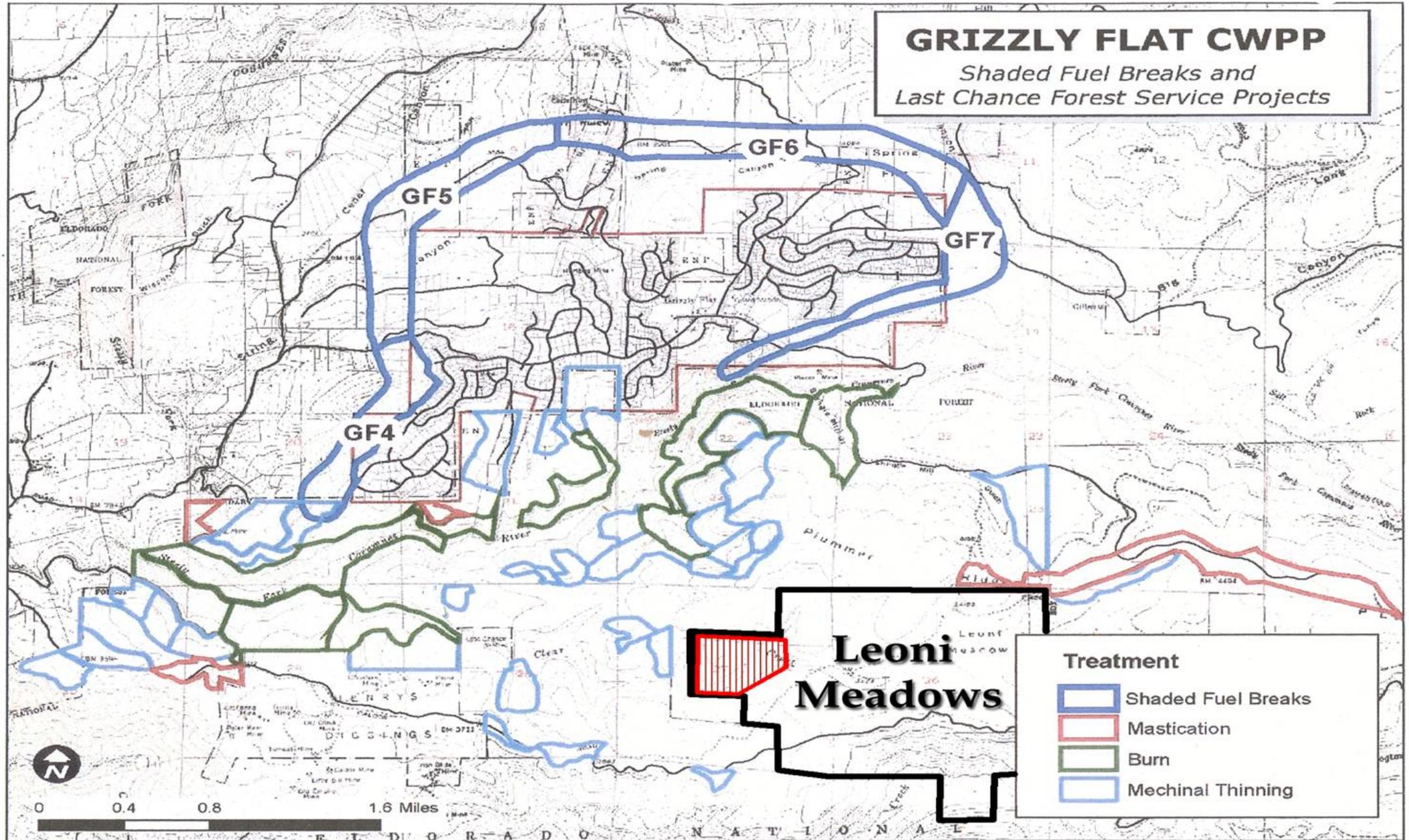


Grizzly Flats Fire Protection Program

- Grizzly Flats has been deemed a Community at Risk by the Federal Register.
- Due to severe drought, Grizzly Flats would not have enough water to fight a large scale fire.
- Large shaded fuel breaks surround approximately $\frac{3}{4}$ of the Grizzly Flats community.
- Leoni Meadows is a large barrier to the last $\frac{1}{4}$ of the Grizzly Flats community.

GRIZZLY FLAT CWPP

*Shaded Fuel Breaks and
Last Chance Forest Service Projects*

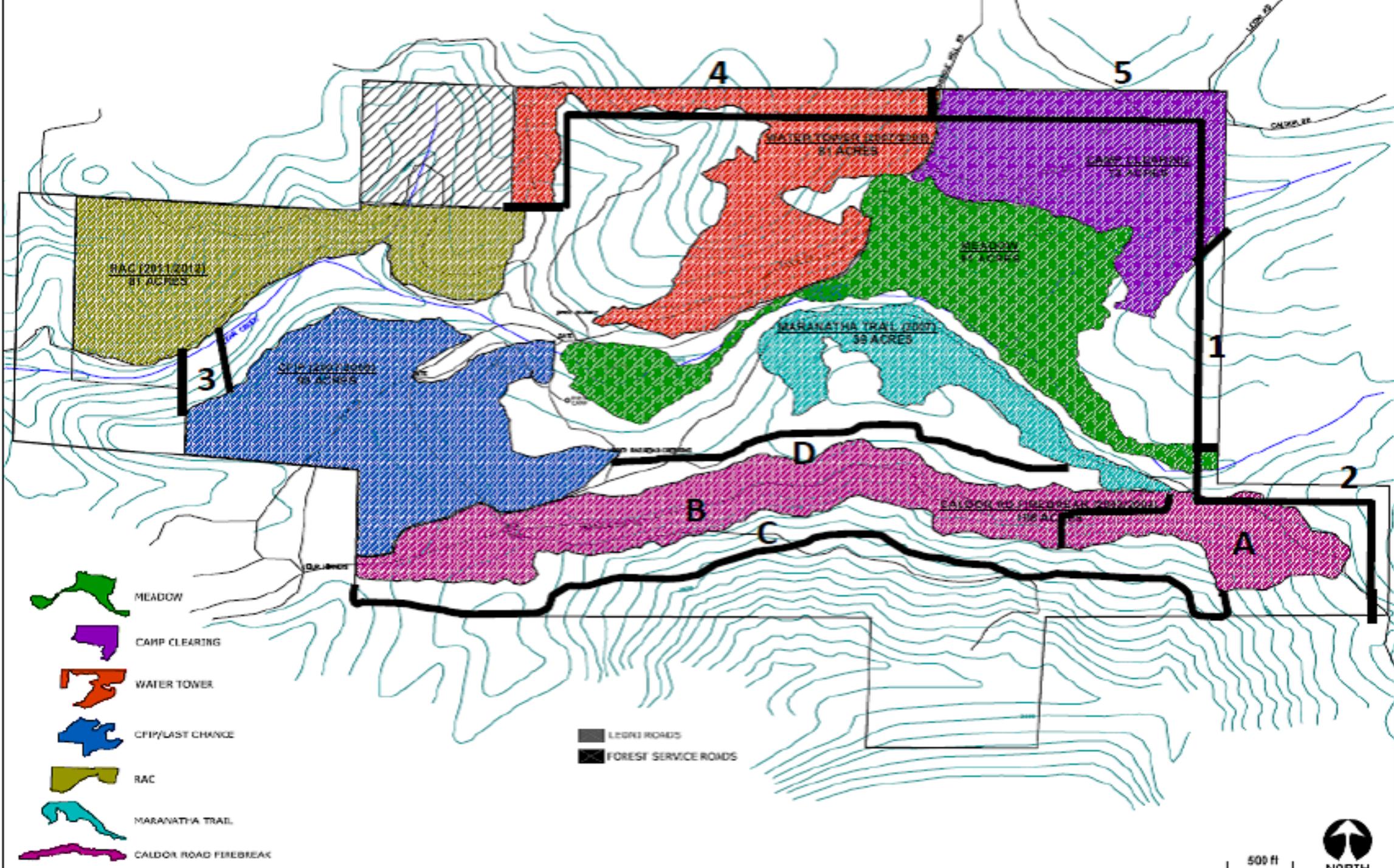


Treatment

-  Shaded Fuel Breaks
-  Mastication
-  Burn
-  Mechanical Thinning

Fire Prevention Fund and Grant Program

- The annual Fire Prevention Fee is paid by home owners who reside in the WUI (Wildland Urban Interface) for fire prevention services.
- The money collected is put aside for the Fire Prevention Grant Program.
- The grant program provides funding for fire prevention training, fire prevention education, and fire prevention projects related to fuel hazard reduction.
- The grant program does not permit commercial harvesting.



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Reasons for Chosen Areas

- Area B contains a public road that needs to be protected, and it could also serve as a fuel break.
- Area B would require tree harvesting to be an appropriate fuel break, but because the grant doesn't permit commercial harvesting and the tree market is bad right now it isn't feasible to thin the trees until a later date. A prescribed burn will keep the area clean until then.
- Area 4 will help protect Grizzly Flats in the event of a wild fire started in or near Leoni meadows.

Plan of Action

-**Area 4:** clear debris from previous Water Tower Management Project (2007-2008).

Step 1: Use a bulldozer with a brush rake attachment to create a pile for burning.

Step 2: Burn the brush piles.

Step 3: Do a prescribed burn to clear the remaining ground brush.

-**Area B:** Clear the ground fuel.

Step 1: Do a prescribed burn.



Data Behind the Plan

- A shaded fuel break should be approximately 20 trees per acre and low to no ground fuel.
- Area B currently has 120 trees per acre, and low ground fuels.
- Area 4 has 110 trees per acre, but a medium amount of ground fuel.



Treatment Costs and Grant Cost Share

-Treating Area 4 will cost \$ 17,100 because brush raking and pile burning will cost \$900 per acre and Area 4 covers 19 acres.

-Treating Area B will cost \$13,500. because controlled burning will cost \$150 per acre and Area B covers 90 acres.

-Estimated grand total for treatment plan: \$30,600.00.

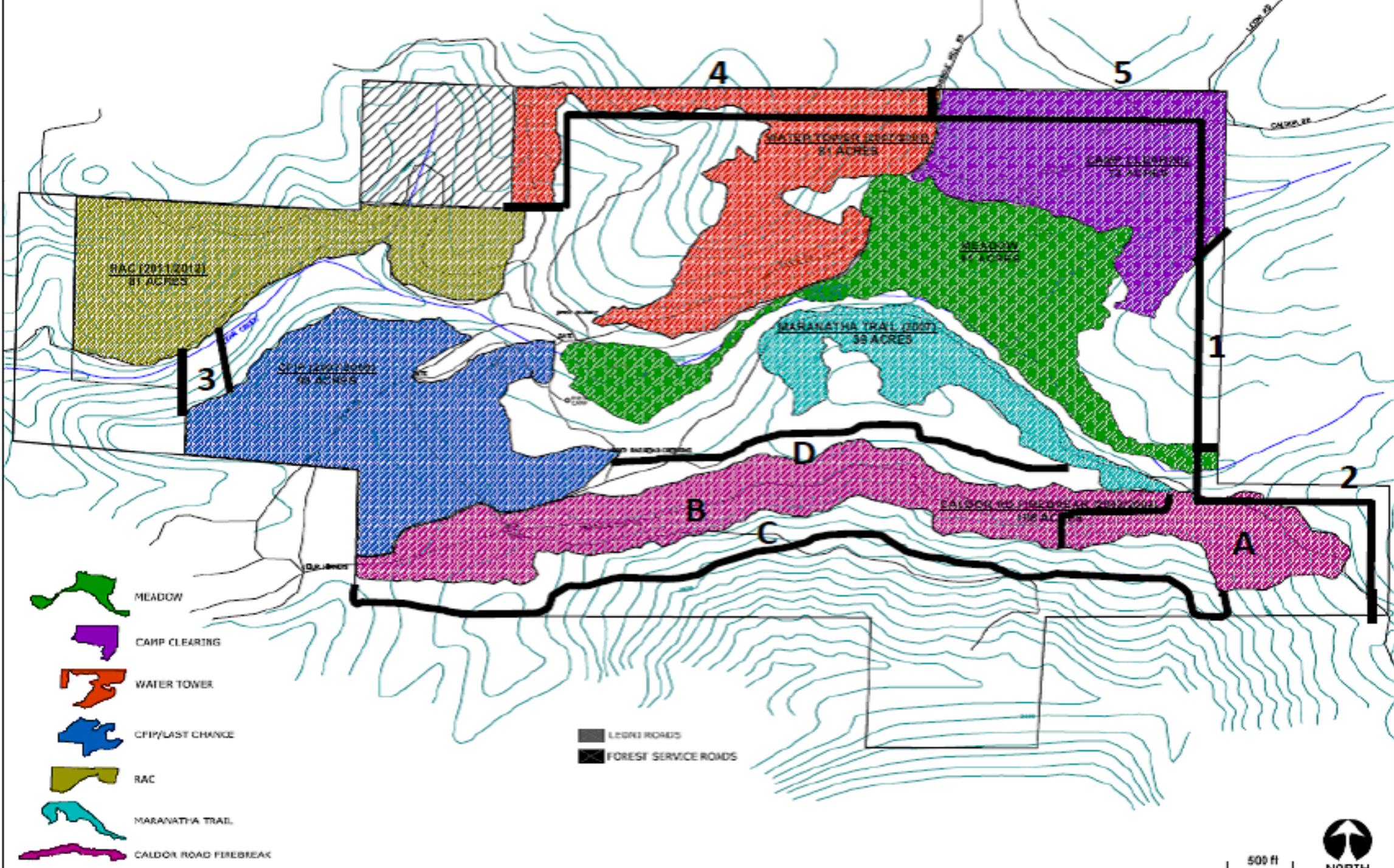
-Leoni Meadows has \$10,000

-Apply for \$21,000 grant.

-Total \$31,000

Areas Left Alone

- Areas 1 & 2: There is a low possibility of a fire hitting areas 1 & 2 because most fires travel from the south and southwest. If a fire were to hit these areas, there are other treatment areas to protect Grizzly Flats and Leoni Meadows.
- Area 3: It is not a viable option because it would have to be treated by hand because it is in a canyon, which is very expensive.
- Area C: It is in a steep canyon and would be expensive to treat. If a fire traveled up the canyon, Area B would already protect Leoni Meadows and Grizzly Flats.



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Areas for Future Work

- Areas D, A, and 5 should be managed at a later date.
- Currently we do not have enough money to complete these project areas.
- Timber prices are currently too low to harvest with profits.
- Cutting trees in area B when the market goes up would help provide money to treat these areas.



Conclusion

Areas 4 & B are the highest priorities because they protect areas of public interest and are currently most reasonably priced at a grand total of \$30,600.

The amount of money needed from the grant program is \$21,000.00, while Leoni Meadows will put forth \$10,000.00.



The California Forestry Challenge was a great learning experience! We had such a great time. It also gave us an opportunity to prepare and present a PowerPoint presentation on current forest issues.



Questions?

