

Table of Contents

STANISLAUS LANSCAPE PROJECT

Hstory of project and location

HREBREAKS AND SHADED RUEL BREAKS

What they are, and how they are used in the SIP

MANIENANCEMEIROS

Discussing the pros and cons of different methods

MANIENANCEHOWCHART

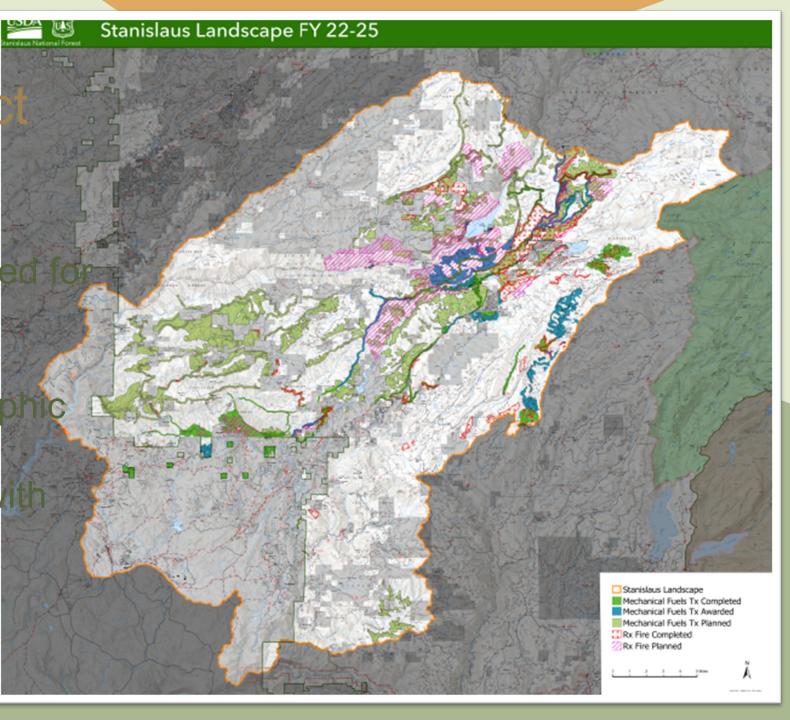
Aflowchart used for finding the right maintenance methods

Applying the ChartOur final thoughts



The Stanislaus
Landscape Project

2021 Wildfire crisis
1 of 10 Landscaped fund
fuel reduction
Chosen because of filer
and potential for catastro
fires
300,000 getting treated w
fuel breaks.



Form and Function of Fuel Breaks in the SLP

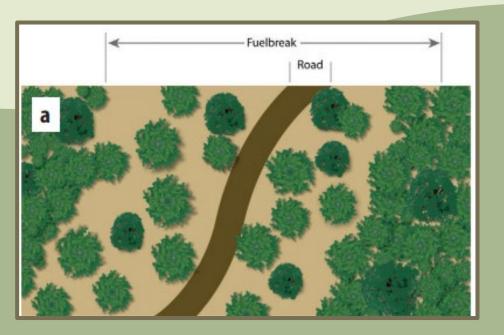
Removal of ground fuel to slow the spread

Thins trees to create space between the crowns

 Fuel breaks require maintenance to control verse regrowth in the years following their initial installar



Figure 13a. A perimeter dirt road serves as a firebreak. The area immediately to the left is a fuelbreak where young pine have been thinned and flammable shrubs have been mowed.



Importance of Maintaining Fuel Breaks

- If fuel breaks are unmaintained for multiple years they will regrow
- Continuous maintenance keeps the area resistant to fire
- Fuel breaks must be maintained across different land ownerships to be effective







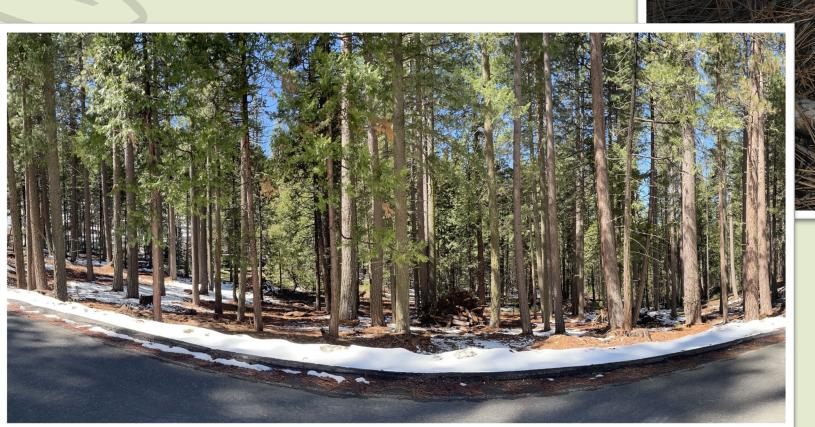
Mastication

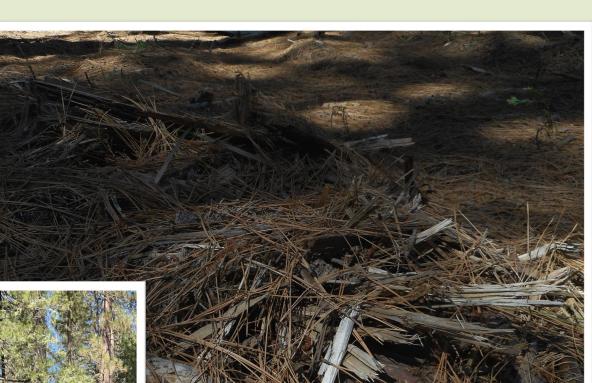
Pros:

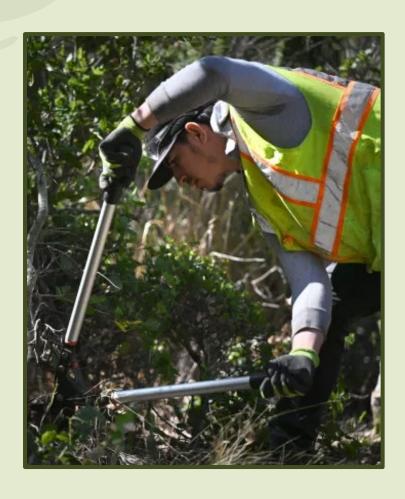
- Soil benefits
- Wildlife use
- large scale

- Leaves fuel on ground
- Weather conditions
- Can't access steep or rocky areas
- Hghcost
- o Candamage soil

Mastication Treatme







Hand Piling

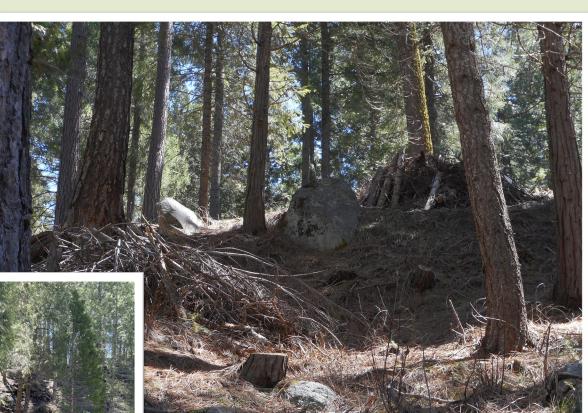
Pros:

- o Precise work
- Fast work
- Can access any terrain

- Hgh cost of labor
- o Labor intensive
- o Small scale
- o Piles must be burned

Hand Piling Treatme







Machine Piling

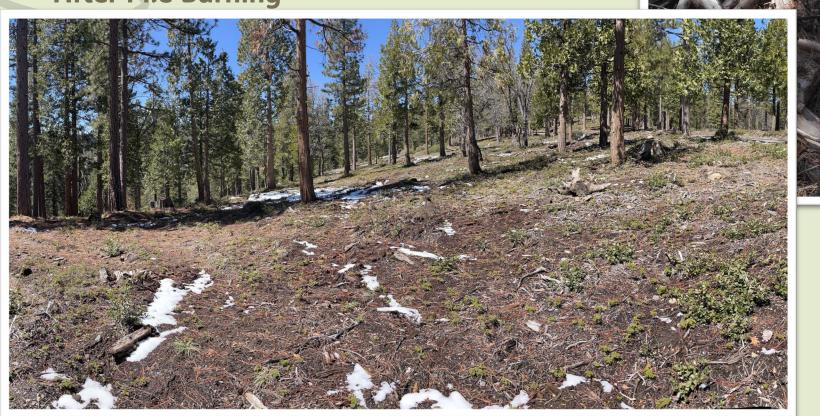
Pros:

o large scale

- Equipment cost
- o Can't access steep terrain
- Will hurt sensitive soil
- o Piles must be burned

Machine Piling Treatr

*After Pile Burning







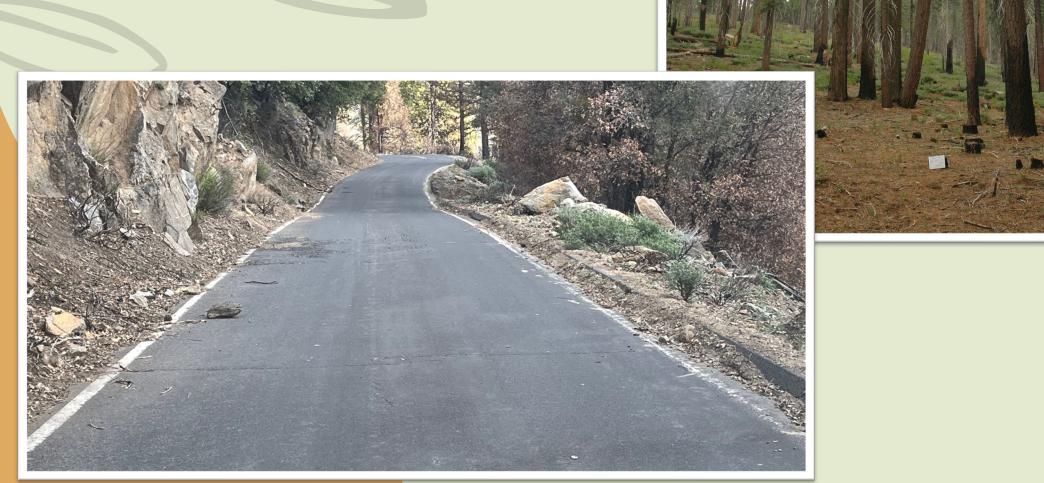
Broadcast Burns

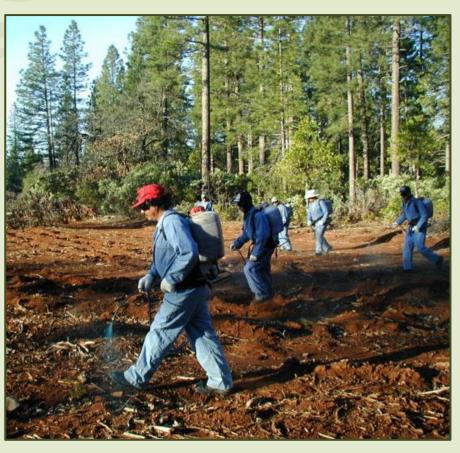
Pros:

- Vérycheap
- o Clears large areas quickly o Can't use around
- o Provides nutrients for soil

- Véryrisky
- o Can't use around populated areas
- Needs a prescription
- Can only be done in certain weather conditions

Broadcast Burn Treatm





Herbicides

Pros:

- Lasts a very long time
- Requires little followup
- o Cheap

- Public perception*
- Needs prior treatment

Herbicide Treatmen





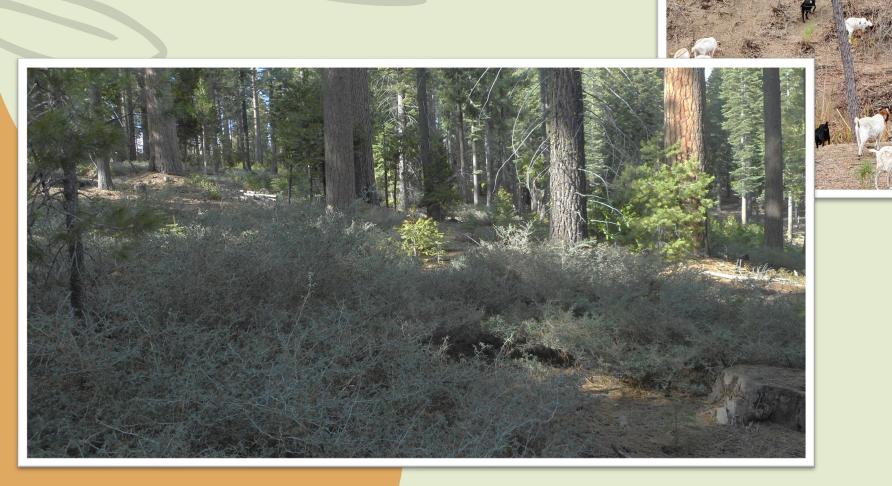
Grazing

Pros:

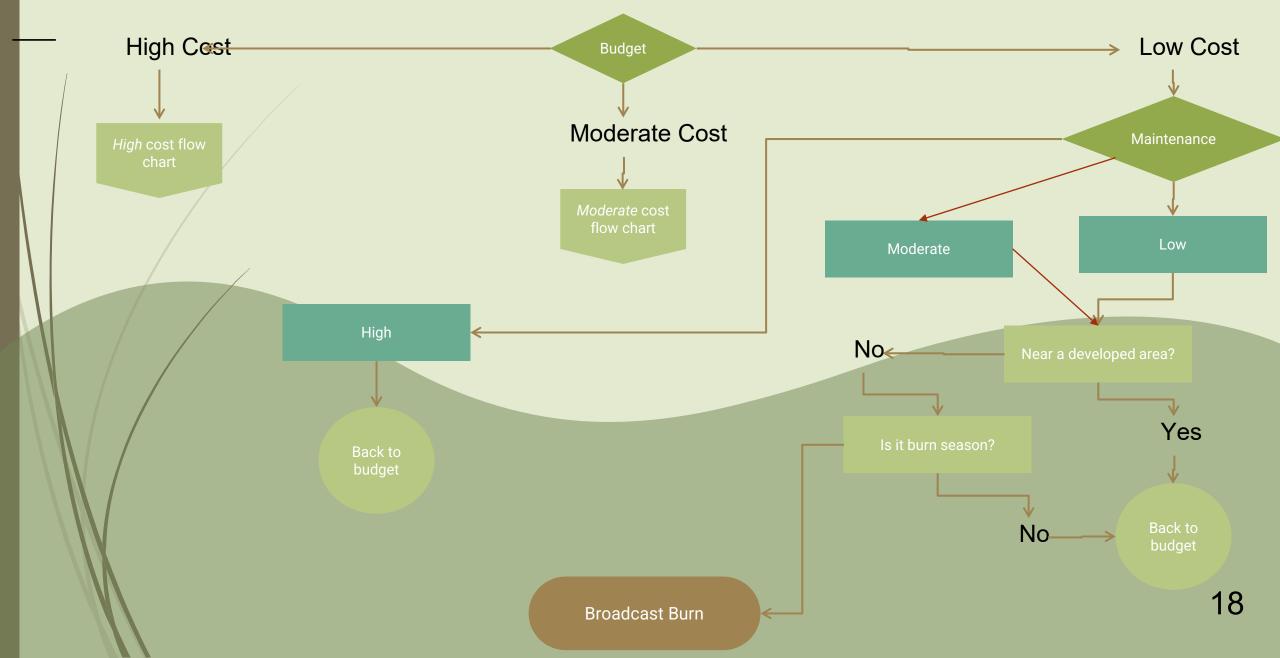
- o Goodforecosystem
- Feeding livestock

- Conditions can be particular
- Work required to transport and manage
- o Bushneeds to be low

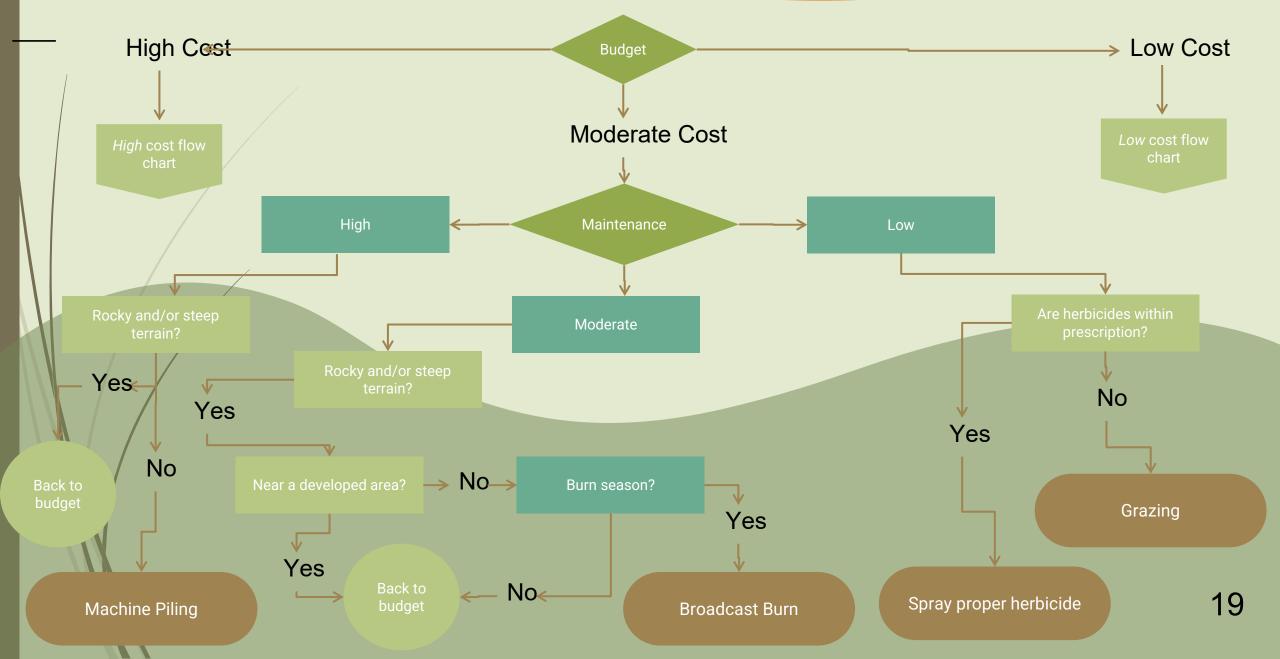
Grazing Treatment



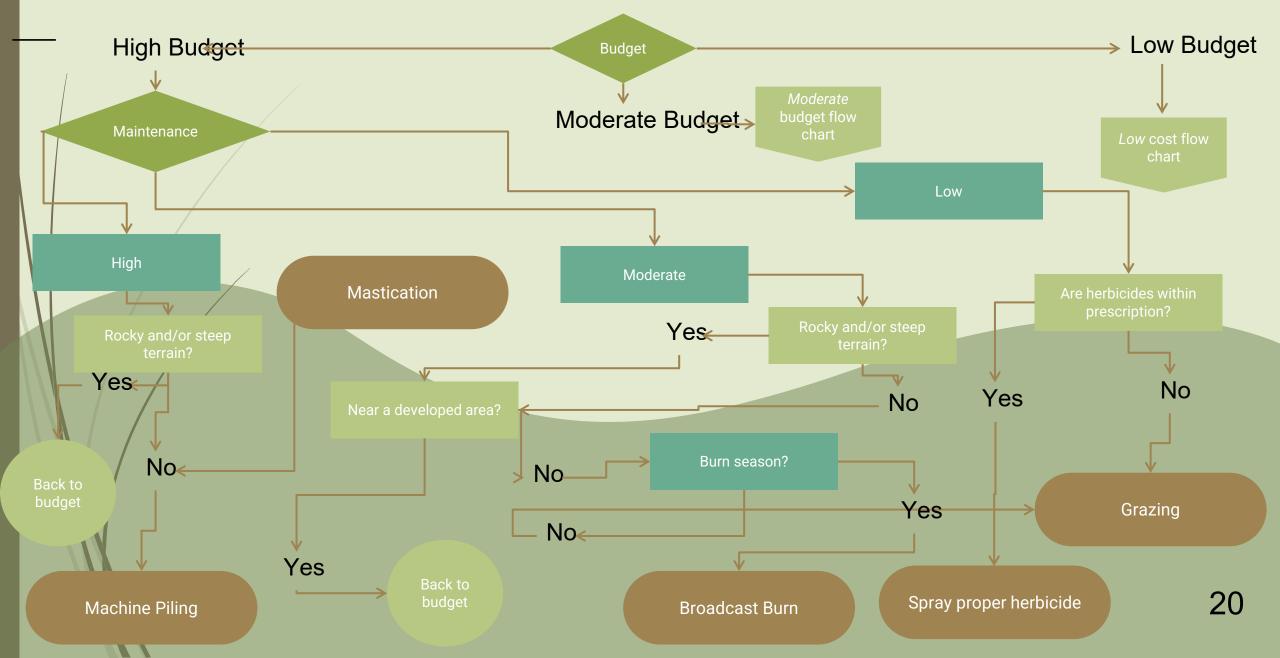
Maintenance Method Flow Chart (low budget)



Maintenance Method Flow Chart (moderate budget)

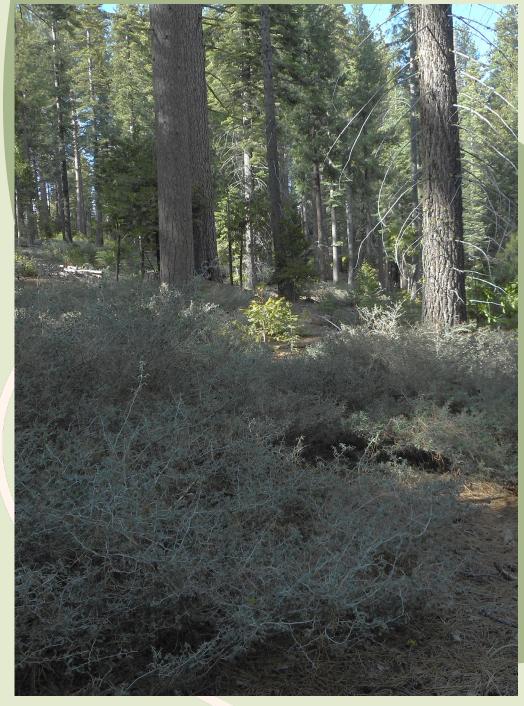


Maintenance Method Flow Chart (high budget)



Treating the Plot





Any Questions?

THANK YOU FOR LISTENING

-TEAM 6