

## Preliminary Treatment Plans

- 1) Tree Oak Pitch Pine Forest (TOPPF)
  - a. Fire
    - i. No Crown Fire Concerns. Heavy surface fuels (huckleberry, litter)
    - ii. Objectives: reduce surface fuels, reduce/kill suppressed low diameter trees, consume dead standing low diameter trees (non-viable snags)
  - b. Ecological

Objectives: Test- reducing surface vegetation and litter to enhance regeneration of tree oaks, test canopy kill of lower diameter individuals to open tree canopy
  - c. Treatment Percentage/Acreage
    - i. Rx Dormant: 60%, 30 acres
    - ii. Rx Growing Season: 30%, 15 acres
    - iii. Mechanical: none
    - iv. Untreated: 10%, 5 acres
- 2) Pitch Pine Tree Oak Forest (PPTOF)
  - a. Fire
    - i. Overstory, not enough pine to support crown fire. Heavy surface fuels (huckleberry, litter, scrub oak patches).
    - ii. Objectives: mechanically alter fuels adjacent to trails and control lines. Reduce scrub oak height, vigor, fuel loading. Break up any large islands of continuous scrub oak to reduce spotting/torching
  - b. Ecological

Objectives: reduce age of scrub oak, increase vigor of trees in overstory by reducing competition, expose some mineral soil to regenerate some pine trees
  - c. Treatment Percentage/Acreage
    - i. Targeted Mechanical Mow Dormant: 45%, 20 acres
    - ii. Targeted Mechanical Mow Growing: 45%, 21 acres
    - iii. Rx Dormant: 10%, 4 acres
    - iv. Rx Growing: 70%, 23 acres
    - v. Mechanical Mow, No Rx: 10%, 2 acres
    - vi. Target Rx only, no Mow: 1 acre dormant, 1 acre growing
    - vii. Untreated: 10%, 3 acres

- 3) Pitch Pine Scrub Oak Woodland (PPSOW) and  
Tree Oak Pitch Pine Scrub Oak Woodland (TOPPSOW)
  - a. Fire
    - i. Continuous scrub oak canopy, crown fire potential. Heavy surface fuels (huckleberry, litter) and ladder fuels
    - ii. Objectives: Widely spaced trees or clumps of trees to reduce crown fire potential. Reduce ladder fuels (scrub oak). Break up continuous clumps of pitch pine, break up internal old fire breaks filled with pitch pine, mow small diameter trees to accomplish.
  - b. Ecological

Objectives: reduce age of scrub oak, increase vigor of trees in overstory by reducing competition, expose some mineral soil to regenerate some pine trees
  - c. Treatment Percentage/Acreage PPSOW
    - i. Mechanical Mow Dormant: 23%, 26 acres
    - ii. Mechanical Mow Growing: 70%, 75 acres
    - iii. Mechanical Mow, No Rx: 2%, 2 acres
    - iv. Rx Dormant: 10%, 11 acres
    - v. Rx Growing: 80%, 88 acres
    - vi. Target Rx only, no Mow: 1 acre dormant, 1 acre growing
    - vii. Untreated: 5%, 5 acres
  - d. . Treatment Percentage/Acreage TOPPSOW
    - viii. Mechanical Mow Dormant: 20%, 3 acres
    - ix. Mechanical Mow Growing: 70%, 12 acres
    - x. Mechanical Mow, No Rx: 5%, 1 acre
    - xi. Rx Dormant: 10%, 2 acres
    - xii. Rx Growing: 80%, 13 acres
    - xiii. Untreated: 5%, 1 acres

#### 4) Pitch Pine Scrub Oak Forest

##### a. Fire

- i. High potential for crown fire. Heavy surface fuels (huckleberry, litter, scrub oak) and ladder fuels
- ii. Objectives: Widely spaced trees or clumps of trees to reduce crown fire potential. Reduce ladder fuels. Mechanical thinning of the overstory required. Mow vs. feller/buncher/saw?

##### b. Ecological

Objectives: reduce age of scrub oak, increase vigor of trees in overstory by reducing competition, expose some mineral soil to regenerate some pine trees, increase the average DBH of pitch pine by reducing competition, restore stand to a pitch pine scrub oak woodland condition

##### c. Treatment Percentage/Acreage

- i. Mechanical Thinning (overstory) Dormant: 90%, 40 acres
- ii. Mechanical Mow Growing/Dormant????
- iii. Mechanical, No Rx: 5%, 2 acres
- iv. Rx Dormant: 10%, 5 acres
- v. Rx Growing: 80%, 37 acres
- vi. Untreated: 10%, 5 acres

#### 5) Pitch Pine Forest

##### a. Fire

- i. Potential for crown fire, continuous pitch pine forest canopy. Moderate surface fuels overall, heavy in places, light in others. Pockets of ladder fuels, targeted mowing may be warranted. Mechanical thinning will most likely involve trees larger than 3" in diameter, therefore needing feller/buncher/saw type equipment to thin overstory

##### b. Ecological

Objectives: Expose mineral soil and open forest canopy to regenerate pitch pine trees, open canopy to provide additional sunlight to forest floor for increased biodiversity

##### c. Treatment Percentage/Acreage

- i. Mechanical Thinning (overstory) Dormant: 90%, 43 acres
- ii. Mechanical Mow Growing/Dormant: targeted
- iii. Mechanical, No Rx: 5%, 2 acres
- iv. Rx Dormant: 10%, 5 acres
- v. Rx Growing: 80%, 39 acres
- vi. Target 2 acres No Mechanical, Rx only
- vii. Untreated: 10%, 5 acres