

UNDERSTORY PRESCRIBED BURNING UNIT PLAN

Prepared by _____ Signature _____ Date _____ Permit no. _____
 State _____ County _____ District _____ Comp't _____
 Burning unit no. _____ S _____ T _____ R _____ Gross acres _____ Net acres _____
 Landowner _____ Address & phone no. _____
 Person responsible & how to contact day & night _____

(Draw map on back or attach)

A. Record of Previous Burning: Date _____ Fire type _____ Results _____

B. Description of Stand:

1. Overstory: Type, density, size _____ Height to bottom of crown _____
2. Understory: Type, density, height _____
3. Dead fuels: Type, density, age, volume _____
4. Soil type and topography _____

C. Purpose(s) of Burn: _____

D. Specific Objectives: _____

E. Preburn Factors:

1. Chains to plow (see map): Exterior _____ Interior _____ Total _____
2. Chains to fire (see map): Exterior _____ Interior _____ Total _____
3. Crew size: _____ Equip. needs _____
4. Estimated tons/acre _____ Total tons to be burned _____
5. Ignition procedure (see map) _____
6. Passed screening system? _____ Special precautions _____
7. Notify: _____
8. Regulations that apply _____
9. List smoke-sensitive areas & critical targets (see map): _____

F. Weather Factors:

Desired Range

Predicted

Actual

1. Surface wind (speed & dir.) _____
2. Transport wind (speed & dir.) _____
3. Stability/stagnation index _____
4. Minimum mixing height _____
5. Dispersion index _____
6. Minimum relative humidity _____
7. Maximum temperature _____
8. Fine-fuel moisture _____
9. Days since rain _____ Amount _____
10. Burning index _____ Drought index _____

G. Fire Behavior:

Desired Range

Actual Range

1. Type fire _____
2. Best month to burn _____ Date burned _____
3. Time of day to start _____ Time set _____
4. No. of hours to complete _____ Completed _____
5. Flame length _____
6. Rate of spread _____
7. Fireline intensity _____
8. Inches of litter to leave _____ Litter left _____

H. Evaluation Immediately After Burn:

Future Evaluations:

1. Acres burned _____ Evaluation by _____
2. Spotting _____ Distance _____ Date made _____
3. Any escapes _____ Insect/disease dam. _____
4. Objectives met _____
5. Smoke problems _____ Crop tree morality _____
6. % understory veg. consumed _____
7. % of area with crown discoloration of _____ % Understory kill _____
8. Live crown consumption _____ Soil movement _____
9. Adverse publicity _____ Other adverse effects _____
10. Remarks _____ Remarks _____