

**Prescribed Burning Unit Plan**

**Site Information**

<b>1. Landowner Name</b>			
<b>1a. Person Responsible Name:</b>			
<b>2. County:</b>		<b>3. Acres to be Burned:</b>	
<b>4. Address/Location of Burn</b>			
<b>5. Latitude and Longitude of Burn Site: Degree/Min./Sec.</b>	N	W	
<b>6. Reason/Objective for Burning</b>			
<b>7. Date or Year Last Burned</b>			
<b>8. Attach a detailed Map to include:</b>		firelines; (if installed) natural or man-made barriers; roads; open areas; power lines; adjoining property and improvements, firing locations; wind direction indicator; true north; timber types	
<b>9. Instructions for firebreaks/Firing Operations</b>			

**Weather Values/Conditions**

	Enter Forecasted/Actual		Enter Desired Value for this Burn Site
<b>10. GFC Class Day</b>			
<b>11. Wind Direction</b>			
Weather Condition/ Description	Enter Forecasted/Actual (use single number-not range)	Common Range of Values for all Prescribed Burns	Enter Desired Values for this Burn Site
<b>12. Surface Wind (Open)</b>		8 to 14 mph	
<b>13. Canopy Wind</b>		5 to 8 mph	
<b>14. Mixing Height (feet)</b>		1650 or above	
<b>15. Transport Wind Speed</b>		9 to 20 mph	
<b>16. Daytime Dispersion Index</b>		40 through 90	
<b>17. Nighttime Dispersion Index</b>		Above 6	
<b>18. Relative Humidity (%)</b>		Above 30%	
<b>19. Temperature *F</b>		Less than 85*	
<b>20. LVORI ( day of burn and next two (2) 12 hour forecast periods)</b>		1 through 6	
<b>21. KBDI</b>		Below 550 (below 450 for understory burns)	
<b>22. Turner &amp; Atmosphere Tendency (Scale = 1-7)</b>		3, 4, or 5	
<b>23. 1 hour fuel moisture %</b>		8% or above	
<b>24. 10 hour fuel moisture %</b>		8% or above	

Values highlighted in orange indicate possible watch out situations for prescribed burning which may indicate the need to further evaluate prescribed burning operations under current or forecasted weather conditions depending on objectives and desired weather conditions for burn site.

**25. Red Flag Weather Factors and Before Rx Burning**

- KBDI 450 or above
- RH lower than 30%
- Surface winds greater than 15 mph
- Smoke Dispersion Index below 40 (day) and below 6 (night)
- LVORI 7 or above tonight or tomorrow night
- Mixing Height (ft.) less than 1,650 or greater than 6,500
- Wind shift is forecasted

**26. "Watch Out" Situations and Site Specific Conditions to Consider**

- The adjoining property contains wildland fuels that will burn rapidly
- Standing dead snags along the fireline
- More than 3 years since the property was burned
- Openings such as roads, power lines, timber stand height changes, fields, etc...that will cause winds to increase or change directions (eddy effect)
- Smoke Sensitive Area (SSA) downwind or down drainage
- Hazardous fuels or dry organic soils surrounding burn site
- Moderate or high fog potential the night following burn
- Piles, windrows, or heavy fuels
- Heavy amount of dead/down fuels within the area to be burned
- Continuous amount of draped/ladder fuels
- Utility poles and other structures on site

**27. Smoke Sensitive Areas and Precautions to be taken including adjoining structures/improvements:**

**28. On the day of the burn, a permit must be received from the local unit of the Georgia Forestry Commission.**

<b>Local GFC Office/Unit:</b>		<b>Phone #:</b>		<b>Burning Permit Number:</b>	
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**29. Other Regulations**

<b>30. Prepared by Printed/Typed Name:</b>		<b>Prescribed Burn Manager Certification #</b>	
<b>Prepared by Signature:</b>			
<b>Date of Prescribed Burn:</b>			

Last revised 12/17/2013

For more information that defines interpretations for the GFC Weather Conditions and provides recommendations please visit <http://weather.gfc.state.ga.us/info/NFDRSexp2011.aspx> or <http://weather.gfc.state.ga.us/info/WXexp.aspx>. The "Introduction to Prescribed Fire in the Southern Ecosystems" can be viewed and a copy of obtained at <http://www.srs.fs.usda.gov/pubs/41316> This guide can provide more details that can help prescribed burn practitioners plan for and use prescribed fire to meet burning objectives.