

Prescribed Burning Unit Plan			
Site Information			
1. Landowner Name:			
1a. Person Responsible Name:			
2. County:		3. Acres to be Burned:	
4. Address/Location of Burn:			
5. Latitude & Longitude of Burn Site - Degree/Min./Sec.		N	W
6. Reason/Objective for Burning:			
7. Date or Year Last Burned:			
8. Attach a detailed Map to include:		firelines; (if installed) natural or man-made barriers; roads; open areas; power lines; firing location adjoining property and improvements; wind direction indicator; true north; timber types	
9. Instructions for firebreaks/Firing Operations:			
WEATHER VALUES/CONDITIONS		Enter Forecasted or Actual	Enter Desired Range of Value for this Burn Site
10. GFC Class Day			
11. Wind Direction (use spot weather forecast to determine any predicted wind shifts.) http://weather.gfc.state.ga.us/PointForecast/index2.aspx			
Weather Condition/ Description		Enter Forecasted average or actual (use single number-not range)	Enter Desired Range of Value for this Burn Site
12. Surface Wind (Open)			8 to 14 mph
13. Canopy Wind			5 to 8 mph
14. Mixing Height (feet)			1650 or above
15. Transport Wind Speed			9 to 20 mph
16. Daytime Dispersion Index			40 through 90
17. Nighttime Dispersion Index			Above 6
18. Relative Humidity (%)			Above 30%
19. Temperature °F			Less than 85*
20. LVORI (Day of burn & next two 12 hour forecast periods)			1 through 6
21. KBDI			Below 450 (below 550 for site prep.)
22. Turner & Atmosphere Tendency (Scale = 1-7)			3, 4, or 5
23. 1 hour fuel moisture %			8% or above
24. 10 hour fuel moisture %			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 To Look For Before Conducting An Rx Burning			
· KBDI 450 or above		· RH lower than 30%	
· 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		· Surface winds greater than 15 mph	
· Wind shift is forecasted (use GFC spot weather forecast - http://weather.gfc.state.ga.us/PointForecast/index2.aspx)			
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 three years since the property was burned		· Hazardous fuels or dry organic soils surrounding burn site	
· Moderate or high fog potential the night following burn		· Continuous amount of draped/ladder fuels	
· Utility poles and other structures on site			
· Piles, windrows, or heavy fuels or heavy amounts of dead/down fuel within the area to be burned			
· Openings such as roads, powerlines, timber stand height changes, fields, etc. that will cause winds to increase or change direction (eddv effect)			
· Smoke Sensitive Area (SSA) downwind or down drainage - use point/spot weather forecast http://weather.gfc.state.ga.us/PointForecast/index2.aspx			
27. Precautions to be taken: Examples: Smoke Sensitive Areas (include a map); adjoining structures/improvement; threatened; endangered habitat; heavy adjacent fuels; power lines etc... Contingency plan for escape or adverse burning conditions.			
28. On the day of the burn, a permit must be received from the local unit of the Georgia Forestry Commission.			
Local GFC Office/Unit:		Phone #:	Burning Permit Number:
29. Other Local, State or Federal Regulations:			
30. Prepared by Printed/Typed Name:		Prescribed Burn Manager Certification #	
Prepared by Signature:		Date of Prescribed Burn:	

For more information that defines interpretations for the GFC Weather Conditions and provides recommendations please visit <http://weather.gfc.state.ga.us/Info/NFDR5exp2011.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. For spot weather forecast - <http://weather.gfc.state.ga.us/PointForecast/index2.aspx>