

**FIRE PARADOX – GFMC Prescribed Burning Demonstration Network Inventory Sheet**

Prescribed Burning Demonstration Sites - Site Description and Objectives -		Local Site Name:	
Country: <b>Sweden</b>	Region: <b>Halland</b>	Location: <b>Kvibille</b>	
Unit No./Admin. Unit: <b>Biskopstorp, Kalvaberg</b>	Owner: <b>Länstyrelsen, Hallands län</b>	Site area (ha): <b>16,4</b>	
UTM zone:	UTM (x): <b>E 1320253</b>	Map / Aerial photo : <input type="radio"/> <b>Yes</b> (Please attach) <input type="radio"/> <b>No</b>	
	UTM (y): <b>N 6299902.</b>		
First established: <b>2 June 2003 test fire.</b>	Area(s) burnt (ha): <b>0,06 ha</b>	Fire return interval (or time since last burn, or next burn planned): <b>last fire was 163 years ago, the actual date for burning is June or July 2006, and next burning will be done between the next 25 to 40 years.</b>	
Number of plots (in case of an array of sub-plots for experimental repetitions, particular site differences or high number of operationally burned sites): <b>4</b>			
Special remarks:			
<b>Purpose of Treatment: To restore the oak dominated stands (<i>Quercus robur/petrea</i>) as an open forest landscape to induce the occurrence of fire promoted and fire dependent species and to control late successional shade tolerant species.</b>			
Specific Treatment Objectives: <b>To thin the stand in order to increase the light on oak trees. Promote the occurrence of species that were present and common in the past, such as <i>Corylus</i> To promote the occurrence of fire adapted and fire dependant species in the reserve.</b>		Objectives reached? <input type="radio"/> <b>Yes</b> <input type="radio"/> <b>No</b> Specify: <b>In the test burn 2003 it was possible to control late successional species</b>	
<b>Desired burn conditions to reach objectives (optional or if necessary as general prerequisite)</b>			
Wind speed (m/s): <b>&lt; 8 m/s</b>	Wind direction: <b>W SW</b>		
Relative humidity (%): <b>&gt;35%</b>	Soil moisture: <b>low</b>		
Air temperature (°C): <b>15 to 25°C</b>	Burn period (time of year): <b>June July</b>		
What problems do occur? <b>Fuel does not ignite or ignites poorly. Lack of good weather</b>			
<b>Site description</b>			
Vegetation type (main species): <b><i>Quercus robur/petrea, Fagus sylvatica, Picea abies</i></b>	Annual mean precipitation (mm/a): <b>1000 mm</b>	Mean precipitation during time of burn (mm): <b>ca. 200 mm</b>	
Fuel load (t ha <sup>-1</sup> ): <b>Not available</b>	Annual mean temperature (°C): <b>7°C</b>	Mean temperature during time of burn (°C): <b>ca. 12°C</b>	

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Fuel description: leaf litter 3 to 6 cm depth, ericaceous shrubs, and grasses.

Topography: Moderate slope	Slope (%) 8 to 30 %	Aspect: E SE	Altitude (m a.s.l.): 65 m a s l.	Soil conditions: Glacial till, general nutrient poor and acid.
Other:				

**Burn team specifications**

Parties involved: SLU Svenska Lantbruksuniversitetet (Swedish University of Agricultural Sciences) and Länstyrelsen, Hallands län.	Specific expertise or training: <input type="radio"/> Yes <input type="radio"/> No Please specify: Fire management course Pontificia Universidad Catolica de Temuco Chile, Fire management I and II SLU Umeå, 5 and 5 B points.
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**Documentation of demonstration site**

Management plan: <input checked="" type="checkbox"/> Detailed management plan	Burn protocol: <input type="radio"/> Yes	Monitoring of <input type="radio"/> Weather data <input type="radio"/> Fuel accumulation <input type="radio"/> Fire behaviour <input type="radio"/> Smoke
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Presentations: Not available.

Photos/ videos: test burn 2003



Publications: