

FIRE PARADOX – GFMC Prescribed Burning Demonstration Network Inventory Sheet

Prescribed Burning Demonstration Sites - Site Description and Objectives -		Local Site Name: Stormyran-Lommyran	
Country: Sweden	Region: County of Västernorrland	Location: Ånge	
Unit No./Admin. Unit: (Nature reserve)	Owner: Swedish Government	Site area (ha): 1000 (600 ha forest land)	
UTM zone:	Lat: 62 23 48 Long: 15 42 0	Map / Aerial photo : <input type="radio"/> Yes (Please attach) <input type="radio"/> No	
First established: 2004	Area(s) burnt (ha): 30	Fire return interval (or time since last burn, or next burn planned): Approx 40 – 50 yrs	
Number of plots (in case of an array of sub-plots for experimental repetitions, particular site differences or high number of operationally burned sites):			
Special remarks: Approx 580 ha is due to be burned until 2014.			
Purpose of Treatment: Restoration of Boreal forest. Recreation of fire prone stand structure. Reintroduction of natural disturbances.			
Specific Treatment Objectives: Create a numerous trees with fire-scars, rejuvenation of pine, rejuvenation of deciduous trees (aspen), hopefully with seeds or with shooters.		Objectives reached? <input type="radio"/> Yes <input type="radio"/> No Specify:	
Desired burn conditions to reach objectives (optional or if necessary as general prerequisite)			
Wind speed (m/s): 3-5	Wind direction: W		
Relative humidity (%): 50%	Soil moisture: DMC = 25 (Duff Moisture Code)		
Air temperature (°C): 17	Burn period (time of year): 15 aug 2004		
What problems do occur?			
Site description			
Vegetation type (main species): Vaccinium myrtillus & V. vitis-idaea, Pinus sylvestris	Annual mean precipitation (mm/a): No data	Mean precipitation during time of burn (mm): No data	
Fuel load (t ha ⁻¹): 12 - 15	Annual mean temperature (°C): No data	Mean temperature during time of burn (°C): No data	
Fuel description:			
Topography:	Slope (%): 0	Aspect:	Altitude (m a.s.l.): 350
		Soil conditions: Moraine	
Other:			

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Burn team specifications		
Parties involved: County Administrative Board and Wildland Fire		Specific expertise or training: <input checked="" type="radio"/> Yes <input type="radio"/> No Please specify: Company that is specialized in prescribed burnings.
Documentation of demonstration site		
Management plan: <input checked="" type="radio"/> Detailed management plan <input type="radio"/> Simple management plan <input type="radio"/> none	Burn protocol: <input checked="" type="radio"/> Yes <input type="radio"/> No	Monitoring of <input checked="" type="radio"/> Weather data <input type="radio"/> Fuel accumulation <input checked="" type="radio"/> Fire behaviour <input type="radio"/> Smoke
Presentations: Simple document and map		
Photos/ videos: Video is planned for future		
Publications: Fire plan for the whole nature reserve (not published)		

This is a description of the first prescribed burning in the Stormyran-Lommyran nature reserve. The whole reserve is 1000 ha large of which 600 ha is forest land and rest is mire and bogs.

We set up some general objectives for the reserve:

- Recreate fire prone stand structure
- Rejuvenation of Pine
- Recreate snags (long term objective is that snags should amount up to 15 % of the standing volume)
- Strengthen population of fire dependent and –favored species at a landscape level.