

FIRE PARADOX – GFMC Prescribed Burning Demonstration Network Inventory Sheet

Prescribed Burning Demonstration Sites - Site Description and Objectives -		Local Site Name: NSG Lütjenholmer Heidedünen	
Country: Germany	Region: Schleswig-Holstein, Nordfriesland	Location: Lütjenholm	
Unit No./Admin. Unit:	Owner: Private and Kreis Nordfriesland	Site area (ha): 14.5 ha	
UTM zone:	UTM (x): 350404	Map / Aerial photo : <input type="radio"/> Yes (Please attach) <input checked="" type="radio"/> No	
	UTM (y):		
First established: 2002	Area(s) burnt (ha): 1.81	Fire return interval (or time since last burn, or next burn planned):	
Number of plots (in case of an array of sub-plots for experimental repetitions, particular site differences or high number of operationally burned sites): 6			
Special remarks:			
Purpose of Treatment: Restoration of Calluna heathland			
Specific Treatment Objectives:		Objectives reached? <input checked="" 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):		Wind direction:	
Relative humidity (%):		Soil moisture:	
Air temperature (°C):		Burn period (time of year):	
What problems do occur?			
Site description			
Vegetation type (main species): Atlantic heath (Geestheide)	Annual mean precipitation (mm/a): 800	Mean precipitation during time of burn (mm): 0.1	
Fuel load (t ha ⁻¹):	Annual mean temperature (°C):	Mean temperature during time of burn (°C):	
Fuel description:			
Topography:	Slope (%)	Aspect:	Altitude (m a.s.l.):
Soil conditions:			
Other:			

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Burn team specifications		
Parties involved: GFMC		Specific expertise or training: <input type="radio"/> Yes <input type="radio"/> No Please specify:
Documentation of demonstration site		
Management plan: <input type="radio"/> Detailed management plan <input type="radio"/> Simple management plan <input type="radio"/> none	Burn protocol: <input type="radio"/> Yes <input type="radio"/> No	Monitoring of <input type="radio"/> Weather data <input type="radio"/> Fuel accumulation <input type="radio"/> Fire behaviour <input type="radio"/> Smoke
Presentations:		
Photos/ videos: 2006		







Empetrum nigrum, raw humus layer and grass humps resulting in extended glowing and smoke release



Below the raw humus: Historic waste dump – a historic treasure!

Publications:

<https://gfmc.online/programmes/natcon/gfmc-sylt-morsum-kliff-2018.html>