

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

<b>Prescribed Burning Demonstration Sites - Site Description and Objectives -</b>		<b>Local Site Name: Ettenheimmünster</b>	
Country: Germany, Baden-Württemberg	Region: West side of the Black Forest	Location: Ettenheimmünster-Ostbach	
Unit No./Admin. Unit: 4	Owner: Staatl. Vermögens- und Hochbauamt Freiburg, Land Baden-Württemberg	Site area (ha): ca. 0.7	
UTM zone: ? Map 1:25 000	UTM (x): ? R 4817 620 UTM (y): H 5344 400	Map / Aerial photo : <input type="radio"/> Yes, attached <input type="radio"/> No	
First established: 1975, 1981	Area(s) burnt (ha): ca. 0,	Fire return interval (or time since last burn, or next burn planned): 2 plots since 1975/1981 yearly 2 plots since 1978/1981 every second year	
Number of plots (in case of an array of sub-plots for experimental repetitions, particular site differences or high number of operationally burned sites): 1			
Special remarks:			
<b>Purpose of Treatment:</b> Restoration of ordinary grassland and suppression of the establishment of woody plants (trees, shrubs)			
Specific Treatment Objectives:		Objectives reached? <input type="radio"/> Yes, with restriction <input type="radio"/> No Specify: see publications	
<b>Desired burn conditions to reach objectives (optional or if necessary as general prerequisite)</b> Burning protocols since the beginning over the 30-year-period, at least for the last 20 years			
Wind speed (m/s): --	Wind direction: --		
Relative humidity (%): --	Soil moisture: --		
Air temperature (°C): --	Burn period (time of year): Late autumn (November/December) or late winter (February/March)		
What problems do occur? Prescribed burning often too late in the beginning of springtime with early plant growth; but here we don't can observe a specific adaptation of the turf-sward, but some oak trees			
<b>Site description</b> See appended table			
Vegetation type (main species): In the beginning ordinary grassland ( <i>Dauco-Arrhenatheretum typicum</i> ); now specific spreading of no-clonal grassland plants	Annual mean precipitation (mm/a): 900 mm	Mean precipitation during time of burn (mm): --	
Fuel load (t ha <sup>-1</sup> ): 0,02-0,045 t in the different years	Annual mean temperature (°C): ±8.5°	Mean temperature during time of burn (°C): --	
Fuel description: Grassland litter			
Topography: Meadow slope	Slope (%): 25-35 %	Aspect: E	Altitude (m a.s.l.): 280-300 m
Soil conditions: Pseudogley-Brown earth			
Other:			

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Burn team specifications		
<p>Parties involved: <b>Ministry of agriculture, Landesanstalt für die Entwicklung der Landwirtschaft (LEL), Schwäb. Gmünd.</b>                      (people making prescribed burning):                      Research technician (Versuchstechniker) of the local agriculture administration (Landwirtschaftsämter), partly by myself</p>	<p>Specific expertise or training:</p> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> </ul> <p>Please specify: <b>prescribed burning course; Instruction and guidance by Schreiber</b></p>	
Documentation of demonstration site		
<p>Management plan:</p> <ul style="list-style-type: none"> <li><input type="radio"/> <b>Detailed management plan</b></li> <li><input type="radio"/> Simple management plan</li> <li><input type="radio"/> none</li> </ul>	<p>Burn protocol:</p> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> </ul>	<p>Monitoring of</p> <ul style="list-style-type: none"> <li><input type="radio"/> <b>Weather data</b></li> <li><input type="radio"/> <b>Fuel accumulation</b></li> <li><input type="radio"/> <b>Fire behaviour</b></li> <li><input type="radio"/> <b>Smoke</b></li> </ul>
<p>Presentations:  <b>See publications. Field trips every year</b></p>		
<p>Photos/ videos: <b>ca 50 slides over the time</b></p>		
<p>Publications: <b>u.a.</b></p> <p>SCHREIBER, K.-F., 1981: Das kontrollierte Brennen von Brachland - Belastungen, Einsatzmöglichkeiten und Grenzen. Eine Zwischenbilanz über feuerökologische Untersuchungen. <i>Angew. Botanik</i> <b>55</b>, 255-275.</p> <p>SCHREIBER, K.-F., 1997: 20 Jahre Erfahrung mit dem kontrollierten Brennen auf den Brachflächen in Baden-Württemberg. „Feuereinsatz im Naturschutz“, <i>NNA-Ber.</i> <b>10</b>, 5, A. Toepfer Akad. Naturschutz, Schneverdingen, 59-71.</p> <p>SCHREIBER, K.-F. 2006: Langjährige Entwicklung brachgefallener Grasländer in Südwestdeutschland bei verschiedenem Management (ungestörte Sukzession, Mulchen 2 x jährlich, kontrolliertes Brennen jährlich). <i>Bayerische Akademie der Wissenschaften, Rundgespräche der Kommission für Ökologie</i> Nr. ?, (Oktober 2005 München). In press</p>		

# Versuchsanlage Ettenheimmünster - Ostbach

