

FIRE PARADOX – GFMC Prescribed Burning Demonstration Network Inventory Sheet

Prescribed Burning Demonstration Sites - Site Description and Objectives -		Local Site Name: 617		
Country: Russia		Region: Krasnoyarsk		Location: dark coniferous forest clearcut; right bank of Yenisey river (Yenisey Ridge)
Unit No./Admin. Unit: Unza district Planning quarter # 83		Owner: Usolie leskhoz (forest management enterprise)		Site area (ha): 48
UTM zone:	UTM (x): 94° 03' E		Map / Aerial photo : o No	
	UTM (y): 57° 14' N			
First established: 20 August 1997	Area(s) burnt (ha): 17		Fire return interval (or time since last burn, or next burn planned): 180 years – average fire return interval for dark coniferous forests	
Number of plots (in case of an array of sub-plots for experimental repetitions, particular site differences or high number of operationally burned sites: burned partially 40%.				
Special remarks: ignition at 16:00				
Purpose of Treatment:				
Specific Treatment Objectives: slash removing, conifer forest regeneration stimulation,				Objectives reached? Yes Specify: partially
Desired burn conditions to reach objectives (optional or if necessary as general prerequisite)				
Wind speed (m/s): - 2		Wind direction: West		
Relative humidity (%): 48		Soil moisture: No data		
Air temperature (°C): 22		Burn period (time of year): summer		
What problems do occur? Too much vegetating plants – just plots with slash fuels were burned				
Site description				
Vegetation type (main species): mixed forest with dominating of dark coniferous species: <i>Abies sibirica, Picea sibirica, Pinus sibirica, Betula pendula, Populus tremula</i>		Annual mean precipitation (mm/a): 450-600		Mean precipitation during time of burn (mm): 0
Fuel load (target fuel) (t ha ⁻¹): 83 locally		Annual mean temperature (°C): -8		Mean temperature during time of burn (°C):15
Fuel description: Slash (40% is gathered in piles) + forest litter + lot of vegetating plants				
Topography: flat	Slope (°) 0	Aspect: -	Altitude (m a.s.l.): 500	Soil conditions: Podsol loam
Other: prescribed burn # 8/97 in a book Valendik et al., 2000				

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Burn team specifications		
Parties involved: VN Sukachev Institute of forest SB RAS Usolie leskhoz (forest management enterprise)		Specific expertise or training: Yes Experimental burn
Documentation of demonstration site		
Management plan: <input checked="" type="checkbox"/> Simple management plan	Burn protocol: Yes	Monitoring of <input checked="" type="checkbox"/> Weather data <input checked="" type="checkbox"/> Fuel accumulation <input checked="" type="checkbox"/> Fire behaviour
Presentations: <i>Further information available</i>		
Photos/ videos: Photos were taken to estimate pre and post burning conditions, as well as fire behaviour		
<p>Publications:</p> <p>Valendik, E.N., Vekshin, V.N., Verkhovets, S.V., Zabelin, A.I., Ivanova, G.A. and Kisilyakhov, Ye.K. Prescribed Burning of Logged Sites in Dark Coniferous Forests. SB RAS Publishing, Novosibirsk. 2000, 209 pp (in Russian).</p> <p>Kisilyakhov Y.K., E.N. Valendik, G.A. Ivanova, V.D. Perevoznikova, S.V. Verkhovets. Use of BEHAVE for forest fire experiments and prescribed fires in Siberia // Disturbance in boreal forest Ecosystems: Human Impacts and Natural Processes. S.G. Conard, ed. Proceedings of the International Boreal Forest Research Association 1997 annual meeting; 1997 August 4-7; Duluth, Minnesota, USA. Gen. Tech. Rep. NC-209. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station, 2000. 435 pp.</p> <p>Verkhovets S.V. Duff consumption during slash burning In: Proceeding of Conference «Components investigations of Siberian forest ecosystems» # 3, 2001, P. 22-24. (in Russian)</p>		
Contact details (person or institution in charge of the site and / or submitter of this information):		
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