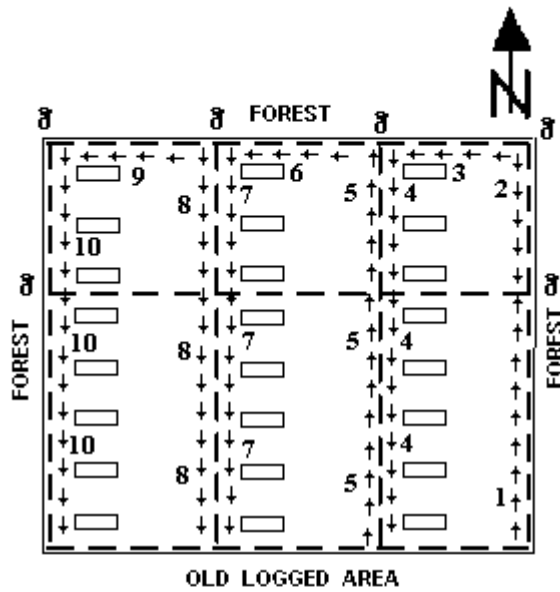


**FIRE PARADOX – GFMC Prescribed Burning Demonstration Network Inventory Sheet**

<b>Prescribed Burning Demonstration Sites - Site Description and Objectives -</b>		<b>Local Site Name: 621</b>	
Country: Russia	Region: Krasnoyarsk	Location: dark coniferous forest clearcut right bank of Yenisey river (Yenisey Ridge)	
Unit No./Admin. Unit: Unza district Planning quarter # 116	Owner: Usolie leskhoz (forest management enterprise)	Site area (ha): 20	
UTM zone:	UTM (x): 94°01' E	Map / Aerial photo : ○ No	
	UTM (y): 57° 11' N		
First established: September 1, 1999	Area(s) burnt (ha): 19	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): 6 subplots burned once			
Special remarks: ignition at 18:00			
<b>Purpose of Treatment:</b>			
Specific Treatment Objectives: slash removing, conifer forest regeneration stimulation,		Objectives reached? Y Yes Specify: partially because a lot vegetating plants	
<b>Desired burn conditions to reach objectives (optional or if necessary as general prerequisite)</b>			
Wind speed (m/s): - 0		Wind direction: -	
Relative humidity (%): 55		Soil moisture: No data	
Air temperature (°C): 15		Burn period (time of year): fall	
What problems do occur? Too much vegetating plants			
<b>Site description</b>			
Vegetation type (main species): mixed forest with dominating of dark coniferous species: Abiec sibirica, Picea sibirica, Pinus sibirica, Betula pendula, Populus tremula	Annual mean precipitation (mm/a): 450-600	Mean precipitation during time of burn (mm): 0	
Fuel load (target fuel) (t ha <sup>-1</sup> ): 151 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 (°) 2	Aspect: South	Altitude (m a.s.l.): 300
Soil conditions: podsol loam			
Other: prescribed burn # 4/99 in a book Valendik et.al., 2000			

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Burn team specifications		
Parties involved: VN Sukachev Institute of forest SB RAS Usoleie leskhoz (forest management enterprise)		Specific expertise or training: <input checked="" type="checkbox"/> Yes Please specify: experimental burn with personnel training
Documentation of demonstration site		
Management plan: <input type="checkbox"/> Detailed management plan <input checked="" type="checkbox"/> Simple management plan <input type="checkbox"/> none	Burn protocol: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Monitoring of <input checked="" type="checkbox"/> Weather data <input checked="" type="checkbox"/> Fuel accumulation <input checked="" type="checkbox"/> Fire behaviour <input type="checkbox"/> Smoke
Presentations: <i>Further information available</i>		
Photos/ videos: Photos were taken to estimate pre and post burning conditions, as well as fire behaviour		
Publications: 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). 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. 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)		
Contact details (person or institution in charge of the site and / or submitter of this information):  Name: VN Sukachev Institute for forest SB RAS / Yegor K.Kisilyakhov Address: 660036, Russia, Krasnoyarsk, Akademgorodok Telephone: (3912) 433686 Telefax: (3912) 433686 e-mail: yegorkis@mail.ru Website: <a href="http://forest.akadem.ru">http://forest.akadem.ru</a>		



**LEGEND:**

- - fireline
- - slash fuels on piles
- + + +<sup>5</sup> - direction and sequence of line ignition
- 8 - arrangement of fire fighters

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