PEERLESS LAKE WILDFIRE PREPAREDNESS GUIDE



Prepared for:







July, 2012

The intent of this document is to provide an Incident Management Team with an overview of the planning area, fire behaviour potential, values-at-risk, and fire operations that can be utilized in the event that a wildfire threatens wildland/urban interface values at risk.

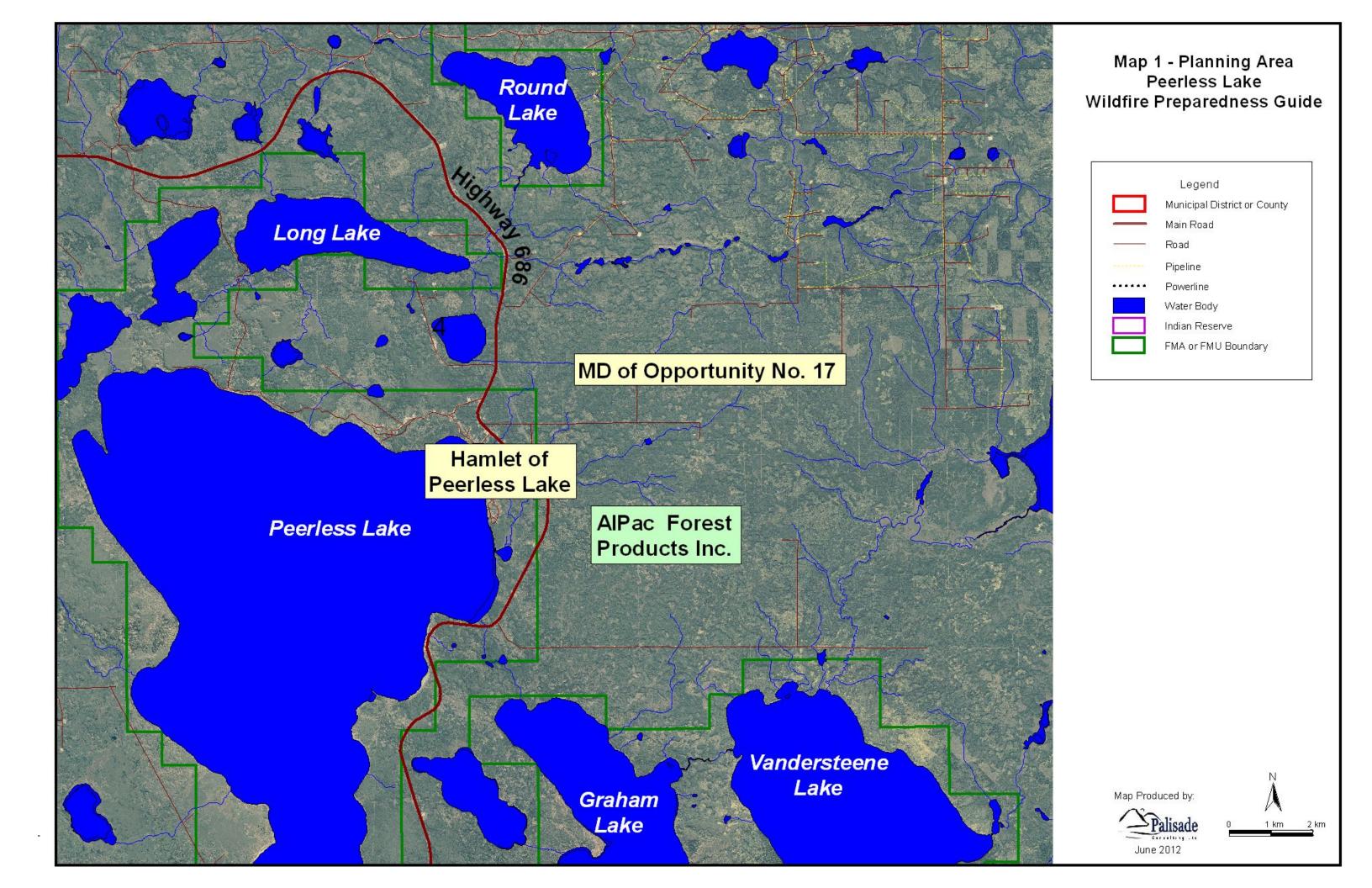
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SECTION A: LOCAL AREA DESCRIPTION

A1. PLANNING AREA (MAP 1)

FEATURE	JURISDICTIONAL AUTHORITY
SRD Forest Area	Lesser Slave Area
Municipality	Municipal District of Opportunity Hamlet of Peerless Lake
Forest Management Area	ALPAC

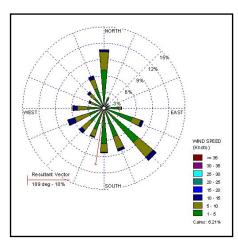




A1. FIRE BEHAVIOUR POTENTIAL DESCRIPTION (MAP 2)

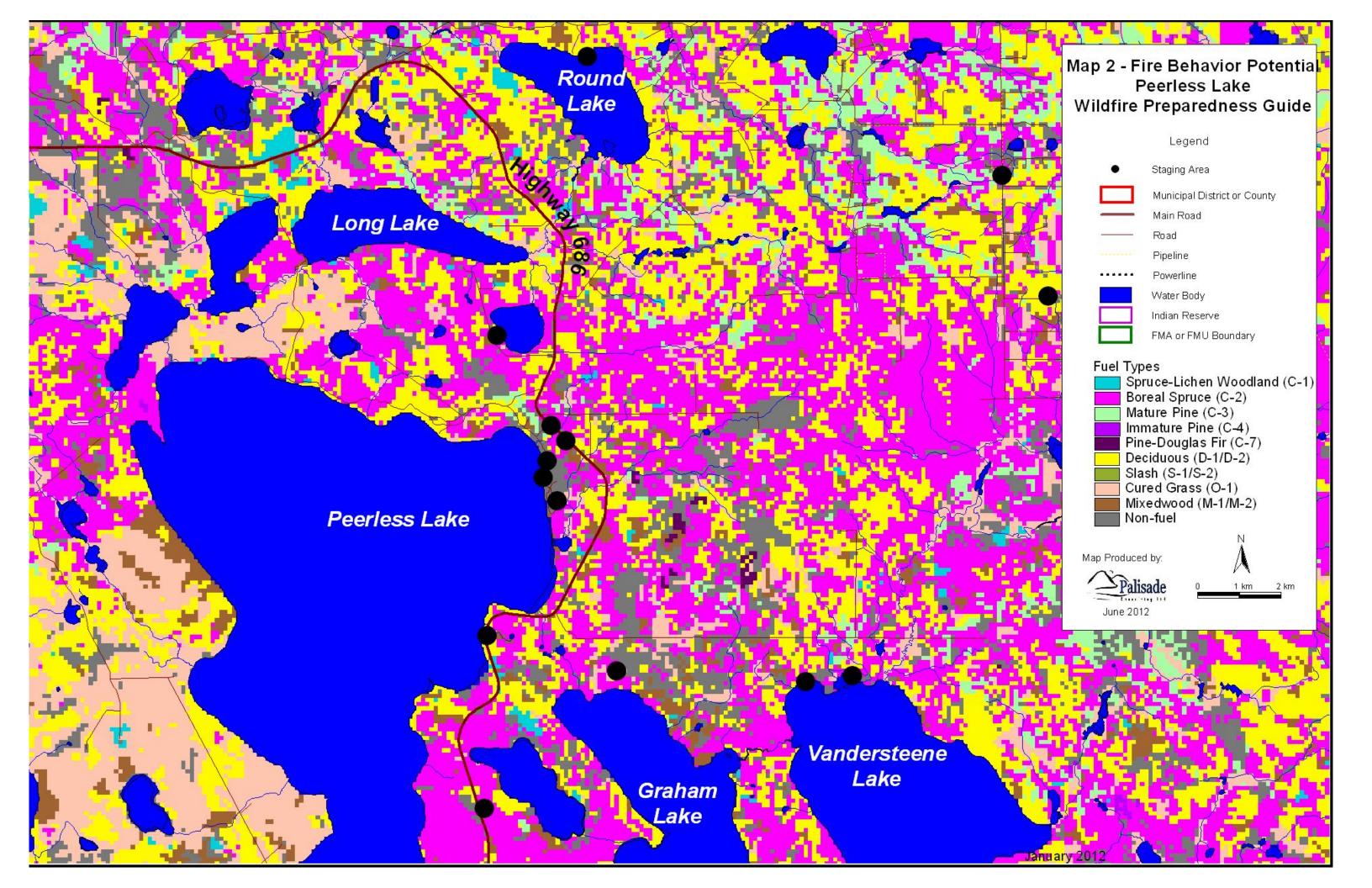
FACTOR	DESCRIPTION
Fuels Influence	Approximately 70% of the forest fuels in the planning zone are C2 Boreal Spruce and 20% are D1/D2 Deciduous, with the remaining 10% of the area being C3 pine and grass. The northern quadrant is predominantly D1/D2.
Weather Influence	Wildfire spread will be dictated by the wind direction. The windrose data shows the predominant winds from the southeast quadrant, however, there will be considerable periods with winds from each of the other quadrants including the north.
Topographic Influence	The landscape is dominated by Peerless Lake. The area is generally flat with sloping towards Peerless Lake. Topography will not have a major affect on fire spread. The area has a western aspect.
Anticipated Fire Spread	C2 fuels in the vicinity of the community may pose a threat. The C2 fuels have continuous runs into Peerless Lake. The community has completed areas of thinning and pruning. The community of Peerless Lake is at risk from spot fires originating from embers produced from wildfires in the community zone. Cured grass within the community will pose a risk in the spring and fall cured grass stage. There are a substantial number of fuel breaks in the zone including the Highway, powerlines, pipelines and seismic. These can be reinforced to meet the fire threat. The mulched fuel breaks to the north and east of the community are constructed to 50 meters.

Red Earth Windrose



The windrose indicates the distribution of wind direction and speed. The bars length indicates the portion of the time the wind is from a certain direction.





SECTION B: VALUES AT RISK (MAP 3 and 3a)

B1- S	tandard Values-at	-Risk		
MAP#	Value Name/ATS	Value Type	Lat/Long	No. of Structures - Roof Material
1	Random Camping	Recreational Facility	N 56° 45.565′	None
	SE 33-89-4-W5M		W 114° 33.723	
2	Sword Energy Inc Trout Mountain Oil Battery 12-22-89-03-W5M	Oil and Gas Facility	N 56° 44.000′ W 114° 24.067	Flammable gases and liquids 6- Storage Tanks 5- Metal Buildings 1- Residence and Field Office
3	Fortune Energy Inc. Oil Treatment Facility	Oil and Gas	N 56° 42.442′	Flammable gases and liquids 12- Storage Tanks 5- Metal Buildings
	9-10-89-03-W5M	Facility	W 114° 23.004	1- Residence and Field Office
4	Sword Energy Inc - Peerless Oil Battery	Oil and Gas	N 56° 41.992′	Flammable gases and liquids 7- Storage Tanks 2- Metal Buildings
	2-8-89-4-W5M	Facility	W 114° 35.867	3
7	Peerless Lake School	Other	N 56° 40.372′	1-Non Combustible 8-Propane Tanks
	SW 33-88-4-W5M		W 114° 34.710	
10	East Peerless Provincial Recreation Area- Red Earth Gun Club	Recreational Facility	N 56° 38.135′	NONE
	NW 17-88-4-W5M		W 114° 36.137	
11	Random Camping	Recreational Facility	N 56° 37.674′	NONE
	SW 15-88-4-W5M		W 114° 33.128	
12	Cabin Site	Cabin	N 56° 37.519′	2-Combustible
	SW 18-88-3-W5M		W 114° 28.727	



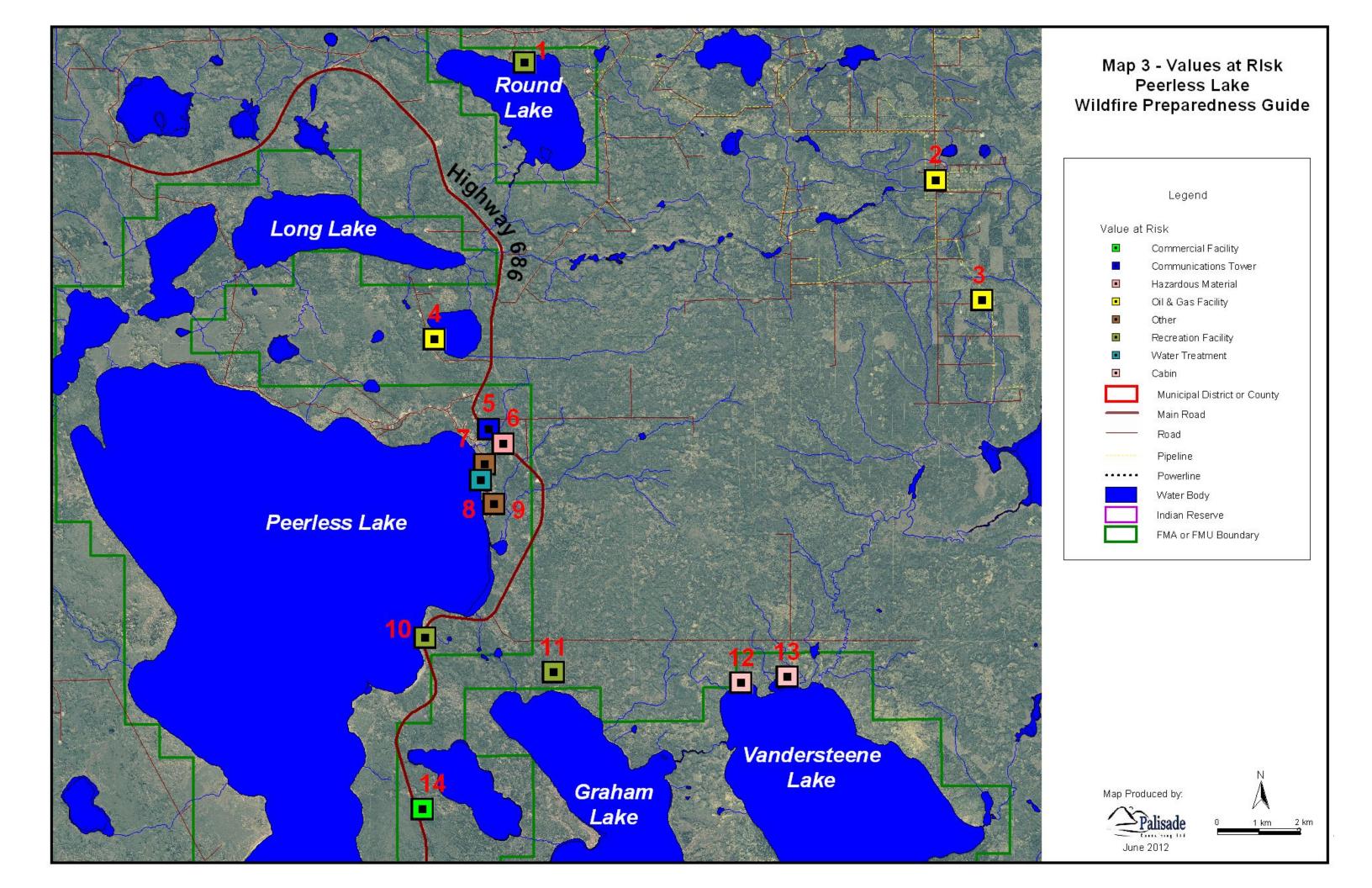
13	Cabin Site	Cabin	N 56° 37.591′	2-Combustible
	SE 18-88-3-W5M		W 114° 27.645	
14	Lakeland General Store	Commercial	N 56° 35.916′	7-Non Combustible
	SW 5-88-4-W5M		W 114° 36.217	

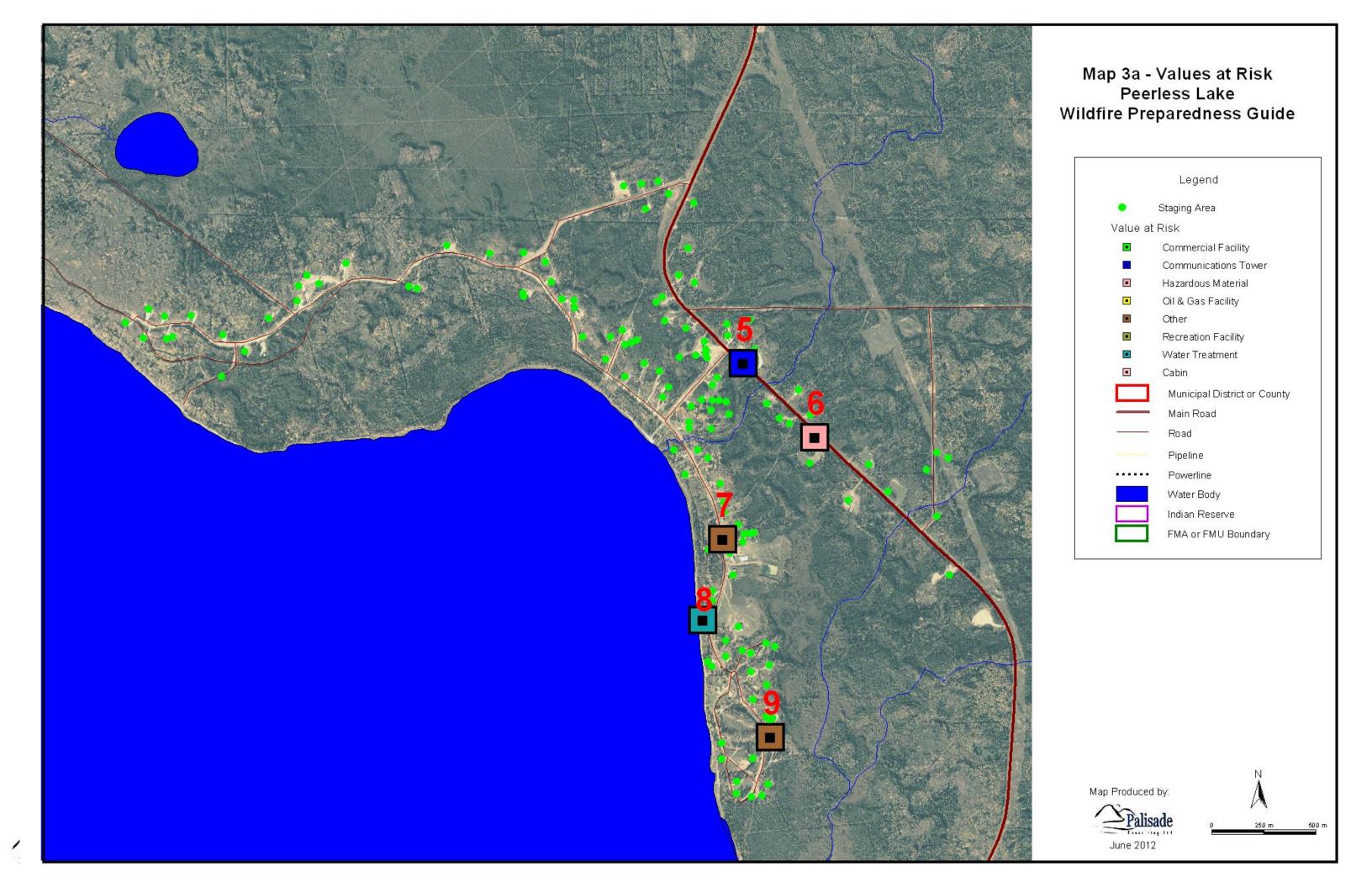
B2- Critical Values-at-Risk				
MAP#	Value Name/ATS	Value Type	Lat/Long	No. of Structures - Roof Material
	Supernet Tower	Communications Tower	N 56° 40.826′	
5	NW 33-88-4-W5M		W 114° 34.610	1-Non Combustible
8	Peerless Lake Water Treatment Plant and Truck Fill	Water Treatment	N 56° 40.163′	1-Non Combustible
	SW 33-88-4-W5M		W 114° 34.808	

B3- Hazardous Values-at-Risk				
MAP#	Value Name/ATS	Value Type	Lat/Long	No. of Structures - Roof Material
	M.D of Opportunity Peerless Lake	Hazardous Material	N 56° 40.634′	
6	Waste Transfer Station NE 33-88-4-W5M		W 114° 34.276	Unknown waste products

B4- Special Values-at-Risk				
MAP#	Value Name/ATS	Value Type	Lat/Long	No. of Structures - Roof Material
9	Peerless Lake Cemetery NW 28-88-4-W5M	Other	N 56° 39.859′ W 114° 34.494	
	Hamlet of Peerless Lake 33-88-4-W5M	Hamlet	N 56° 39.859′ W 114° 34.494	73- Residential dwellings primarily asphalt shingles. Propane Tanks throughout.







SECTION C: FIRE OPERATIONS (MAP 4 AND 4A)

C1- FUNCTIONAL ROLES	
JURISDICTION	AGENCY RESPONSIBLE
Evacuation	Municipal District of Opportunity
Wildfire	Alberta Sustainable Resource Development
Values Protection	Red Earth Fire Department

C2- MUTUAL-AID COMMUNICATIONS	
Туре	Frequency
COMMAND	Mutual Aid Channel- 156.855 Wide Band
TACTICAL	To be assigned at time of incident.

C3- MINIMUM AUTO ORDER LIST		ER LIST	
ZONE/MAP #	APPARATUS	HEAVY EQUIPMENT	OTHER EQUIPMENT/MANPOWER
AII	3-Type I Engines 3- Type V Engines 3 Type T2 Tenders	1- D5/6-Cat Group with Excavator	Structure Protection Unit 4- Structure Protection Crews (HAC) Class A Foam Aerial Ignition Equipment Trailer and Ignition Specialist Wildland Urban Interface Group Supervisor



C4- STRUCTURE PROTECTION STRATEGIES AND **TACTICS** ZONE/MAP **STRATEGIES TACTICS COMMENTS** High priority on fire Consider utilizing municipal fire suppression activities to **Direct Attack Options** Department to action fires in immediate ΑII prevent fire from vicinity of VAR. Exercise caution around impacting VAR. propane tanks. Reinforce existing roads and right of ways with Consider use of reinforced right of ways dozer guard to mineral as a base for backfire operations. Utilize Indirect Attack AII soil. Further reinforce the Fire guard located north and east of **Options** the community. Burnout grass fuels in with sprinkler lines or retardant lines. vicinity of VAR. Utilize triage to Conduct structure determine structure and Consider the VAR's at the greatest risk triage of VAR ΑII site preparation tactics. first. Utilize Class A foam and Consider the VAR's at threat from flame Structure Protection sprinklers to protect impingement and those threatened by air AII VAR's. borne embers. Keep suppression forces mobile. Establish sprinklers on remote cabins.

VAR- Value at Risk- including residential dwellings

C5- FIRE SUPPRESSION WATER SUPPLY				
MAP #	FACILITY NAME/ATS	TYPE	LOCATION	PRESSURE/FLOW
W1	MD of Opportunity Water Treatment Plant	Truck Fill Station	N 56° 40.163′	Unknown
	SW 33-88-4-W5M		W 114° 34.808	
W2	Peerless Lake	Lake	N 56° 40.171′	Unlimited at draught with portable
.,,_	SW 33-88-4-W5M		W 114° 34.872	pumps for tender operations

C6- STAGING AREAS			
MAP #	NAME	LOCATION LAT- LONG/ATS	DESCRIPTION
S1	Peerless Staging	N 56° 41.589′ W 114° 34.797′ NW 4-89-4-W5M	On Highway adjacent to large clearing.

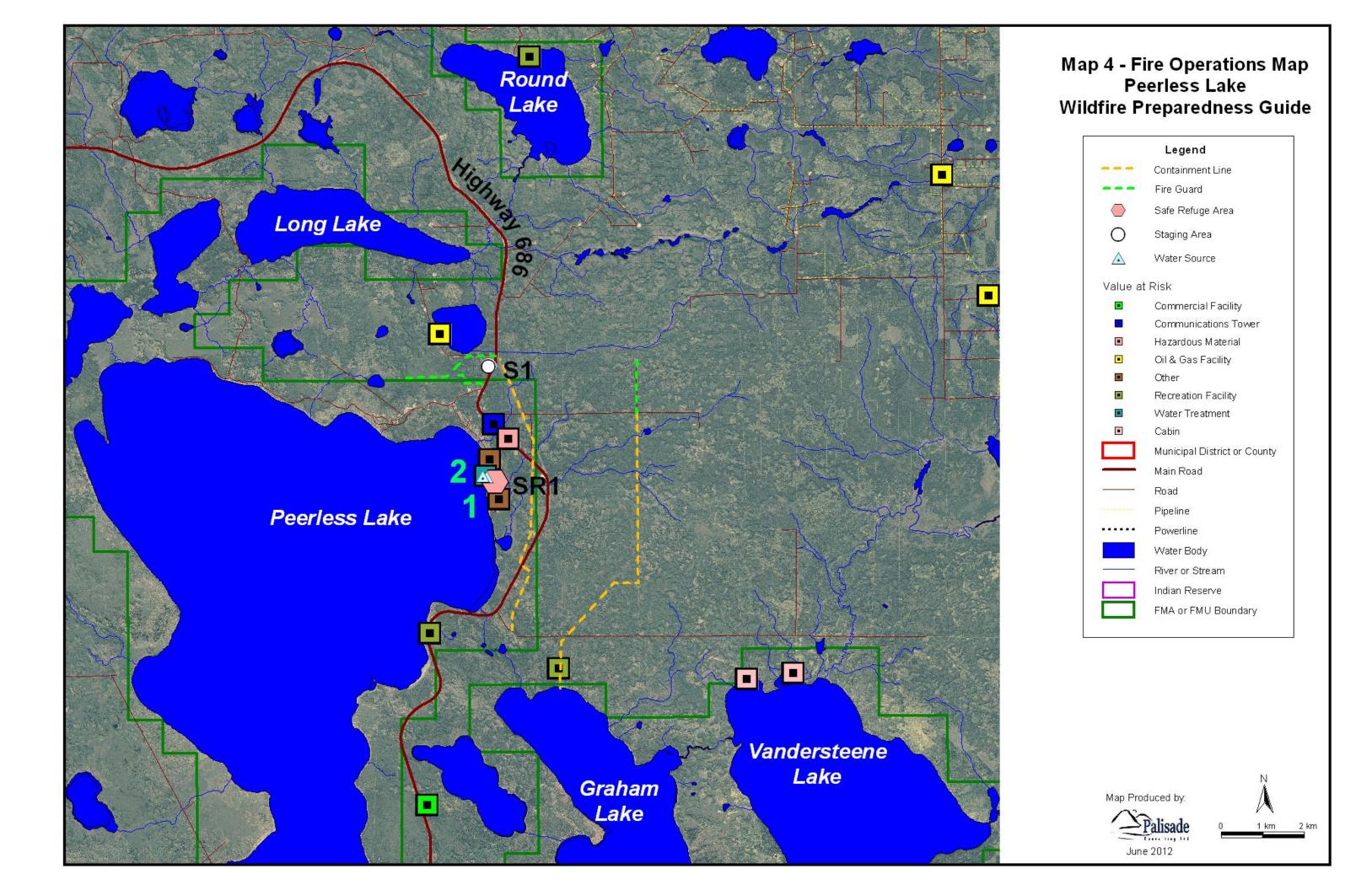


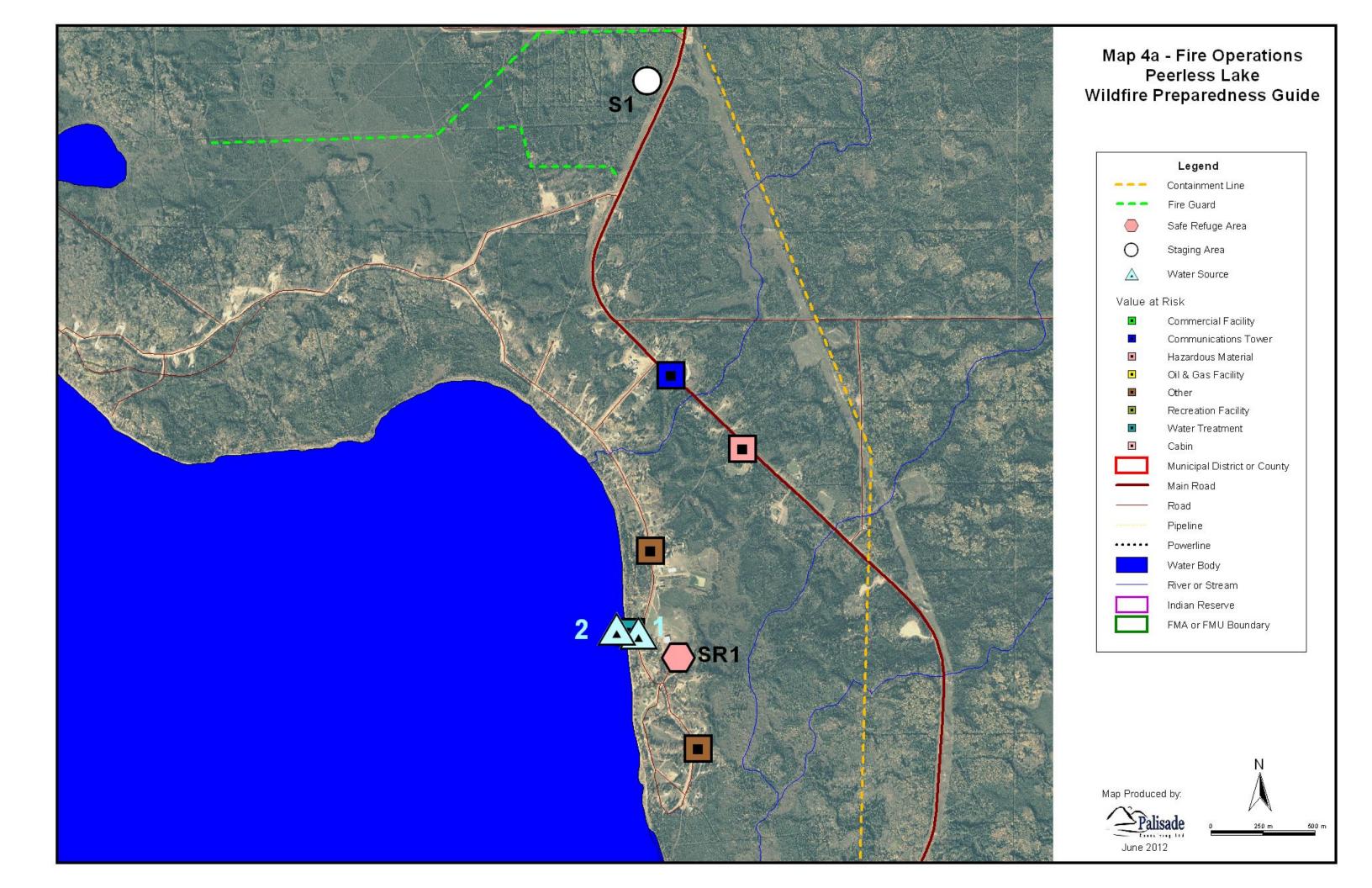
C7- EVACUATION			1		
ZONE MAP#	VALUE NAME/LOCATION	# PEOPLE	EST. EVAC TIME- (MINS)	SAFE REFUGE AREA	SPECIAL EVACUATION CONCERNS
	Cabins, Recreational areas and oil and gas facilities. VAR's 1-4, 10-14	0-30	480	Peerless Lake Community Center	Remote cabins and oil and gas facilities will require helicopter reconnaissance to determine occupancy. Possible transportation of cabin occupants.
	Hamlet of Peerless Lake 33-88-4-W5M	50-500	480	Peerless Lake Community Center	Unaccompanied Minors. Persons without transportation

C8-	C8- SAFE REFUGE AREAS				
MAP #	NAME	LOCATION LAT- LONG/ATS	DESCRIPTION		
	Peerless Lake Recreation Center	56° 40.095′			
SR1		114° 34.584′	200 m x 300 m of cleared area.		
		NW 28-88-4-W5M			

C9- RESOU	RCES		
AGENCY #	ENGINES	TENDERS	COMMENTS
Red Earth Fire Department	1-Type I 1-Type IV		1- Rescue
ASRD			1-Structure Protection Unit (Slave Lake)







C10. EMERGENCY CONTACT LIST

EMERGENCY MANAGEMEI				
POSITION	NAME	WORK	CELL	НОМЕ
Chief Administrative Officer (Director of Emergency Management) Municipal District of Opportunity-	Dennis Egyedy	780.891.3778	780.891.8482	780.891.0356
Deputy Director of Emergency Management- Municipal District of Opportunity	Martin Holst	780.891.3778	780.891.8157	780.891.2335
Emergency Operations Center	MD Office- Wabasca	780.891.3778		
Emergency Operations Center	MD Office Red Earth	780.649.3427		

FIRE/RESCUE 9-1-1				
POSITION	NAME	WORK	CELL	FAX
Red Earth Fire Chief-	Trenton Caldwell	780.649.3861	780.649.4384	
Red Earth Fire Station		780.649.3176		780.649.3179
Dispatch Center	Keytech	780.349.3933		

R.C.M.P. 9-1-		
POSITION	ADMINISTRATION	COMPLAINT
Officer I/C Detachment Red Earth	780.649.3992	780.649.3990



SRD - WILDFIR	E OPERATIONS			
POSITION	NAME	WORK	CELL/PAGER	FAX
FORESTRY MANAGER	lain Johnston	780.849.7058	780.805.0390	780.849.6826
WILDFIRE OPERATIONS OFFICER	Kevin Parkinson	780.849.7426	780.805.0312	780.849.6826
WILDFIRE PREVENTION OFFICER	Terry Jessiman	780.849.7142	780.849.7177	780.849.6826
PFFC DUTY OFFICER	ТВА	780.415.6460	780.913.2344	780.422.7230
AREA DUTY OFFICER	ТВА	780.849.7429	780.849.1247	780.849.6826
AREA DISPATCH		780.849.7428		780.849.6826

OTHERS		
ORGANIZATION	24 HOUR CONTACT NUMBER	LOCAL CONTACT NUMBER
ALPAC	780.525.8200	
ATCO	1.800.597.9111	
Cougar Energy Inc	1.403.262.8044	
Fortune Energy	1.403.297.0230	
MD of Opportunity Water Plant	780.649.3859	780.649.3427
MD of Opportunity Land Fill		780.649.6466
MD of Opportunity Red Earth Office		780.649.3427
Penn West Energy	1.877.792.2990	
Supernet	1.866.514.0030	
Sword Energy Inc	1.866.514.0030	

