

Photo Fuel Plots: Penticton - Part 2

- **Carmine FSR**
#98-5-05-002-1
MS dm1—C4
- **Carmine FSR**
#98-5-05-002-2
PP xh1—C7
- **Last Mountain Ski Road**
#98-5-05-003-1
IDF dk2—C7
- **Vaseux Lake**
#98-5-05-005-1
BG xh1—O1
- **Kobaux Mountain**
#98-5-05-005-2
IDF dk1—O1
- **201 Road**
#98-5-05-006-1
IDF dm1—C4—modified

LOCATION: Carmine FSR

Photo Fuel Plot # 98-5-05-002-1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	southeast	Location	Carmine FSR
Slope (%)	40	GPS Coordinates	N49-27.952' W119-24.836'
Elevation (m)	1200	Map sheet	82E043
Fuel Type	C4	Polygon #	175
Bigeoclimatic Zone	MSdm1	FOREST COVER SUMMARY	
SOILS		Primary Species	<i>Pseudotsuga menziesii</i>
LFH Layer	5	Secondary Species	<i>Pinus contorta</i>
Humus Form	mor	% Canopy Closure	20
Soil Order	Brunisolic	Treatment Type	none
Moisture Regime	submesic	Year of Treatment	n/a
Nutrient regime	poor	TREE AND FUEL CALCULATIONS	
Texture	sandy loam	Average Tree Height (m)	20.93
% Mineral Soil Exposure	45	Average Height to Live Crown (m)	10.54
CREW LIST		Coarse Woody Debris Mass (t/ha)	33.4
MH, MS, MB		Fine Fuel Mass (t/ha)	7.35

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Juniperus communis</i>	40	<i>Calamagrostis rubescens</i>	60
Secondary Species	<i>Juniperus scopulorum</i>	10	<i>Fragaria virginiana</i>	10
Tertiary Species	<i>Spiraea betulifolia</i>	10	<i>Lilium columbianum</i>	5

VEGETATION					
Past Unique #:		91-5-05-002-1		New Unique #:	
GPS coordinates:		N49-27.952' W119-24.836'		Surveyors:	
Location:		North Ellis area			
				Map#:	82E.043
Mosses %		10		Lichens %	10
Seedling species		%	Brush species	%	Herbaceous species
<i>Pseudotsuga menziesii</i>		<5	<i>Juniperus communis</i>	40	<i>Calamagrostis rubescens</i>
			<i>Juniperus scopulorum</i>	10	<i>Fragaria virginiana</i>
			<i>Spiraea betulifolia</i>	10	<i>Lilium columbianum</i>
			<i>Rosa gymnocarpa</i>	10	<i>Lupinus sericeus</i>
			<i>Amelanchier alnifolia</i>	10	<i>Achillea millefolium</i>
			<i>Arctostaphylos uva-ursi</i>	5	<i>Arnica cordifolia</i>
			<i>Salix ssp.</i>	5	<i>Orthilia secunda</i>
			<i>Shepherdia canadensis</i>	5	<i>Clitonia uniflora</i>
			<i>Chimaphila umbellata</i>	<5	<i>Goodyera oblongifolia</i>
			<i>Linnaea borealis</i>	<5%	<i>Osmorhiza chilensis</i>
				<i>Galium triflorum</i>	<5
				<i>Anaphalis margaritacea</i>	3
				<i>Pterospora andromedea</i>	1

TREE TALLY								
	Tree Species	Veteran	Dominant	Codominant	Intermediate	Suppressed	Regen	Snag Count
Primary Species	<i>Pseudotsuga menziesii</i>	1	1	1	21	9	20	0
Secondary Species	<i>Pinus contorta</i>	0	1	7	21	19	3	1

LOCATION: Carmine FSR

Photo Fuel Plot # 98-5-05-002-2



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	east	Location	Carmine FSR
Slope (%)	10	GPS Coordinates	N49-28.419' 119-30.405'
Elevation (m)	1000	Map sheet	82E043
Fuel Type	C7	Polygon #	708
Bigeoclimatic Zone	PPxh1	FOREST COVER SUMMARY	
SOILS		Primary Species	<i>Pinus ponderosa</i>
LFH Layer	1	Secondary Species	<i>Pseudotsuga menziesii</i>
Humus Form	mull	% Canopy Closure	30
Soil Order	Brunisolic	Treatment Type	wildfire
Moisture Regime	subxeric	Year of Treatment	1994
Nutrient regime	rich	TREE AND FUEL CALCULATIONS	
Texture	silty clay loam	Average Tree Height (m)	19.22
% Mineral Soil Exposure	70	Average Height to Live Crown (m)	2.95
CREW LIST		Coarse Woody Debris Mass (t/ha)	0
MH, MS, MB		Fine Fuel Mass (t/ha)	0

VEGETATION COVER					
	Brush Species	%	Herbaceous Species	%	
Primary Species	<i>Spiraea betulifolia</i>	5	<i>Festuca scabrella</i>	30	
Secondary Species	<i>Arctostaphylos uva-ursi</i>	4	<i>Agropyron spicatum</i>	20	
Tertiary Species	<i>Mahonia aquifolium</i>	3	<i>Bromus tectorum</i>	10	

VEGETATION					
Past Unique #:		92-5-05-002-2		New Unique #:	
GPS coordinates:		N49-28.419' W119-30.405'		Surveyors:	
Location:		Carmine FSR			
				Map#:	
				82E.043	
Mosses %		0		Lichens %	
				5	
Seedling species		%		Brush species	
				%	
Herbaceous species				%	
<i>Pseudotsuga menziesii</i>		<5%		<i>Spiraea betulifolia</i>	
		5		<i>Festuca scabrella</i>	
<i>Pinus contorta</i>		<5%		<i>Arctostaphylos uva-ursi</i>	
		4		<i>Agropyron spicatum</i>	
		3		<i>Bromus tectorum</i>	
		2		<i>Fragaria virginiana</i>	
		2		<i>Phalaris arundinacea</i>	
				<i>Epilobium angustifolium</i>	
				<i>Hieracium umbellatum</i>	
				<i>Heuchera cylindrica</i>	
				<i>Antennaria microphylla</i>	
				<i>Geum triflorum</i>	
				<i>Sedum lanceolatum</i>	
				<i>Castilleja miniata</i>	
				<i>Zygadenus elegans</i>	
				<i>Arnica cordifolia</i>	
				<i>Astragalus miser</i>	
				<i>Achillea millefolium</i>	

TREE TALLY						
Tree Species	Dominant	Codominant	Intermediate	Suppressed	Regen	Snag Count
Pinus ponderosa	1	0	2	0	0	0
Pseudotsuga menziesii	1	0	0	0	0	0

LOCATION: Last Mountain Ski Road

Photo Fuel Plot # 98-5-05-003-1



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	north	Location	Last Mtn. Ski Rd.
Slope (%)	0	GPS Coordinates	N49-51.061' W119-42.070'
Elevation (m)	991	Map sheet	82E082
Fuel Type	C7	Polygon #	218
Bigeoclimatic Zone	IDFdk2	FOREST COVER SUMMARY	
SOILS		Primary Species	<i>Pseudotsuga menziesii</i>
LFH Layer	1	Secondary Species	n/a
Humus Form	moder	% Canopy Closure	65
Soil Order	Brunisolic	Treatment Type	none
Moisture Regime	subxeric	Year of Treatment	n/a
Nutrient regime	poor	TREE AND FUEL CALCULATIONS	
Texture	sandy loam	Average Tree Height (m)	24.58
% Mineral Soil Exposure	3	Average Height to Live Crown (m)	7.19
CREW LIST		Coarse Woody Debris Mass (t/ha)	33.0
SM, NO, KK		Fine Fuel Mass (t/ha)	1.59

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Paxistima myrsinites</i>	20	<i>Calamagrostis rubescens</i>	40
Secondary Species	<i>Spiraea betulifolia</i>	15	<i>Fragaria virginiana</i>	10
Tertiary Species	<i>Juniperus communis</i>	10	<i>Arnica cordifolia</i>	5

VEGETATION										
Past Unique #:		92-5-05-003-1		New Unique #:		98-5-05-003-1				
GPS coordinates:		N49-51.061' W119-42.070'			Surveyors:		NO, SM, KK			
Location:		Last Mtn. Ski Rd.								
					Map#:		82E.082			
Mosses %		5				Lichens %		0		
Seedling species		%	Brush species		%	Herbaceous species		%		
n/a			Paxistima myrsinites		20		Calamagrostis rubescens		40	
			Spiraea betulifolia		15		Fragaria virginiana		10	
			Lonicera utahensis		10		Arnica cordifolia		5	
			Amelanchier alnifolia		10		Achillea millefolium		5	
			Mahonia aquifolium		5		Thalictrum occidentale		5	
			Arctostaphylos uva-ursi		5		Streptopus amplexifolius		5	
			Populus tremuloides		2		Aster foliaceus		5	
			Rosa gymnocarpa		2		Goodyera oblongifolia		3	
			Juniperus communis		1		Astragalus miser		3	
							Antennaria microphylla		3	
							Aster ericoides ssp. pansus		3	

TREE TALLY						
Tree Species	Dominant	Codominant	Intermediate	Suppressed	Regen	Snag Count
<i>Pseudotsuga menziesii</i>	1	1	7	9	2	20

LOCATION: Vaseux Lake

Photo Fuel Plot # 98-5-05-005-1



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	southeast	Location	Vaseux Lake
Slope (%)	10	GPS Coordinates	N49-17.680' W119-31.591'
Elevation (m)	367	Map sheet	82E023
Fuel Type	01	Polygon #	n/a
Bigeoclimatic Zone	BGxh1	FOREST COVER SUMMARY	
SOILS		Primary Species	n/a
LFH Layer	0.5	Secondary Species	n/a
Humus Form	mull	% Canopy Closure	0
Soil Order	Chernozemic	Treatment Type	none
Moisture Regime	subxeric	Year of Treatment	n/a
Nutrient regime	rich	TREE AND FUEL CALCULATIONS	
Texture	sandy loam	Average Tree Height (m)	no trees
% Mineral Soil Exposure	20	Average Height to Live Crown (m)	no trees
CREW LIST		Coarse Woody Debris Mass (t/ha)	11.7
MH, MS, MB		Fine Fuel Mass (t/ha)	0.32

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Purshia tridentata</i>	40	<i>Bromus tectorum</i>	60
Secondary Species	n/a		<i>Centaurea diffusa</i>	40
Tertiary Species	n/a		<i>Centaurea maculosa</i>	20

VEGETATION									
Past Unique #:			92-5-05-005-1	New Unique #:		98-5-05-005-1			
GPS coordinates:			N49-17.680' W119-31.591'			Surveyors:		MH, MS, MB	
Location:		Vaseux Lake							
						Map#:		82E.023	
Mosses %		0				Lichens %		30	
Seedling species		%	Brush species		%	Herbaceous species		%	
n/a			Purshia tridentata		40	Bromus tectorum		60	
						Centaurea diffusa		40	
						Centaurea maculosa		20	
						Opuntia fragilis		5	
						Medicago sativa		5	
						Tragopogon dubius		5	
						Achillea millefolium		5	
						Poa pratensis		5	
						Lomatium macrocarpum		4	
						Verbascum thapsus		2	

TREE TALLY						
Tree Species	Dominant	Codominant	Intermediate	Suppressed	Regen	Snag Count
n/a						

LOCATION: Kobaux Mountain

Photo Fuel Plot # 98-5-05-005-2



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	south	Location	Kobau Mtn. Rd
Slope (%)	23	GPS Coordinates	N49-06.317' W119-39.952'
Elevation (m)	1756	Map sheet	82E012
Fuel Type	01	Polygon #	336/A
Bigeoclimatic Zone	IDFdk1	FOREST COVER SUMMARY	
SOILS		Primary Species	<i>Pseudotsuga menziesii</i> regen
LFH Layer	0.5	Secondary Species	n/a
Humus Form	mull	% Canopy Closure	0
Soil Order	Brunisolic	Treatment Type	none
Moisture Regime	mesic	Year of Treatment	n/a
Nutrient regime	rich	TREE AND FUEL CALCULATIONS	
Texture	silty clay loam	Average Tree Height (m)	regen only
% Mineral Soil Exposure	0	Average Height to Live Crown (m)	regen only
CREW LIST		Coarse Woody Debris Mass (t/ha)	0
SM, NO		Fine Fuel Mass (t/ha)	0

VEGETATION COVER					
	Brush Species	%	Herbaceous Species	%	
Primary Species	<i>Artemisia tridentata</i>	55	<i>Lappula redowskii</i>	10	
Secondary Species	n/a		<i>Thalictrum officiale</i>	5	
Tertiary Species	n/a		<i>Cynoglossum officiale</i>	5	

VEGETATION											
Past Unique #:			92-5-05-005-2		New Unique #:		98-5-05-005-2				
GPS coordinates:			N49-06.317' W119-39.952'			Surveyors:		NO and SM			
Location:		Kobau Mtn. Rd.									
						Map#:		82E.012			
Mosses %		0					Lichens %		0		
Seedlings species		%		Brush species		%		Herbaceous species		%	
n/a				Artemisia tridentata		55		Lappula redowskii		10	
								Thalictrum occidentale		5	
								Cynoglossum officiale		5	
								Taraxacum officiale		5	
								Fragaria virginiana		5	
								Achillea millefolium		5	
								Lupinus sericeus		3	

TREE TALLY						
Tree Species	Dominant	Codominant	Intermediate	Suppressed	Regen	Snag Count
<i>Pseudotsuga menziesii</i>	0	0	0	0	2	0

LOCATION: 201 Road

Photo Fuel Plot # 98-5-05-006-1



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	north	Location	201 Rd.
Slope (%)	5	GPS Coordinates	N49-21.006' W119-23.226'
Elevation (m)	1415	Map sheet	82E034
Fuel Type	C4 modified	Polygon #	156
Bigeoclimatic Zone	IDFdm1	FOREST COVER SUMMARY	
SOILS		Primary Species	<i>Pinus contorta</i>
LFH Layer	3	Secondary Species	n/a
Humus Form	moder	% Canopy Closure	20
Soil Order	Brunisolic	Treatment Type	logged
Moisture Regime	subxeric	Year of Treatment	1981/1982
Nutrient regime	poor	TREE AND FUEL CALCULATIONS	
Texture	sandy loam	Average Tree Height (m)	regen only
% Mineral Soil Exposure	40	Average Height to Live Crown (m)	regen only
CREW LIST		Coarse Woody Debris Mass (t/ha)	85.0
NO, SM, KK		Fine Fuel Mass (t/ha)	16.10

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Alnus crispa ssp. sinuata</i>	30	<i>Calamagrostis rubescens</i>	65
Secondary Species	<i>Salix ssp.</i>	10	<i>Epilobium angustifolium</i>	10
Tertiary Species	<i>Linnaea borealis</i>	7	<i>Anaphalis margariticea</i>	5

VEGETATION					
Past Unique #:		93-5-05-006-1		New Unique #:	
GPS coordinates:		N49-21.006' W119-23.226'		Surveyors:	
Location:		201 FSR			
				Map#:	
				82E.033	
Mosses %		5		Lichens %	
Seedling species		%		%	
Pinus contorta		5		65	
		Salix ssp.		10	
		Linnaea borealis		5	
		Shepherdia canadensis		5	
		Lonicera involucrata		3	
		Arctostaphylos uva-ursi		3	
		Lonicera utahensis		2	
		Ribes lacustre			
		Rubus parviflorus			

TREE TALLY						
Tree Species	Dominant	Codominant	Intermediate	Suppressed	Regen	Snag Count
<i>Pinus contorta</i>	0	0	1	0	36	0

ADDITIONAL COMMENTS
Fire behavior may be similar to S1 with canopy