

Photo Fuel Plots: Merritt - Part 1

- **Britton Creek**
#97-5-06-001-1
ESSF xc—S2
- **Gordon Creek**
#97-5-06-002-1
PP xh2—C7
- **Gordon Creek**
#97-5-06-002-2
PP xh2—C7
- **Gordon Creek**
#97-5-06-002-3
PP xh2—C7
- **SE Tyner Lake**
#97-5-06-004-1
IDF dk1—C3 structure with Sx, B1 component
- **Grasshopper Road**
#97-5-06-006-1
ESSF mw—not classified
- **Grasshopper Road**
#97-5-06-006-2
MS dm2—S2
- **Tulameen Road**
#97-5-06-006-3
ESSF dc2—S2

LOCATION: Britton Creek

Photo Fuel Plot # 97-5-06-001-1



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	North	Location	Britton Creek
Slope (%)	35	GPS Coordinates	N49-34.374 W120-54.989
Elevation (m)	1424	Map sheet	92H.056
Fuel Type	S2	Polygon #	
Bigeoclimatic Zone	ESSFxc	FOREST COVER SUMMARY	
SOILS		Primary Species	n/a
LFH Layer	2cm	Secondary Species	n/a
Humus Form	mor	% Canopy Closure	n/a
Soil Order	Brunisol	Treatment Type	clearcut
Moisture Regime	subxeric	Year of Treatment	1983
Nutrient regime	poor	TREE AND FUEL CALCULATIONS	
Texture	Sandy-Loam	Average Tree Height (m)	n/a
CREW LIST		Average Height to Live Crown (m)	n/a
		Coarse Woody Debris Mass (t/ha)	527.3
		Fine Fuel Mass (t/ha)	6.84
Merritt IA			

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Paxistima myrsinites</i>	30	<i>Epilobium angustifolium</i>	60
Secondary Species	<i>Lonicera utahensis</i>	20	<i>Streptopus amplexifolius</i>	10

VEGETATION					
Unique #:	97-5-06-001-1	Location:			Merritt
GPS co ordinates	N49-34.374' W120-54.989	Surveyors:		NJ, Merritt IA	
Map#:	92H.056	Polygon #		497	
Seedlings species	%	Brush species	%	Herbaceous species	%
		<i>Ribes lacustre</i>	15%	<i>Lupinus arcticus</i>	5%
		<i>Vaccinium membranaceum</i>	10%	<i>Streptopus amplexifolius</i>	10%
		<i>Menziesia ferruginea</i>	10%	<i>Epilobium angustifolium</i>	60%
		<i>Paxistima myrsinites</i>	30%	<i>Veratum viride</i>	5%
		<i>Sambucus racemosa</i>	10%	<i>Fragaria virginiana</i>	5%
		<i>Rubus parviflorus</i>	5%		
		<i>Lonicera utahensis</i>	20%		

LOCATION: Gordon Creek

Photo Fuel Plot # 97-5-06-002-1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	South West	Location	Gordon creek
Slope (%)	35	GPS Coordinates	N50-14.730 W121-05.480
Elevation (m)	607	Map sheet	921.025
Fuel Type	C7	Polygon #	452/1
Bigeoclimatic Zone	PPxh2	FOREST COVER SUMMARY	
SOILS		Primary Species	<i>Pinus ponderosa</i>
LFH Layer	7cm	Secondary Species	<i>Pseudotsuga menziesii</i>
Humus Form	mor	% Canopy Closure	40
Soil Order	Brunisol	Treatment Type	Clearcut
Moisture Regime	xeric	Year of Treatment	1960
Nutrient regime	poor	TREE AND FUEL CALCULATIONS	
Texture	Sandy-Loam	Average Tree Height (m)	12.17
CREW LIST		Average Height to Live Crown (m)	3.91
		Coarse Woody Debris Mass (t/ha)	11.3
		Fine Fuel Mass (t/ha)	4.13
Merritt IA			

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Amelanchier alnifolia</i>	5	<i>Calamagrostis rubescens</i>	70
Secondary Species	<i>Artemisia tridentata</i>	5	<i>Balsamorhiza sagittata</i>	40

VEGETATION					
Unique #:	97-5-06-002-1	Location:			Merritt
GPS co ordinates	N50-17.730' W121-05.480'	Surveyors:			NJ, Merrit IA
Map#:	92I.025	Polygon #:			452/I
Seedlings species	%	Brush species	%	Herbaceous species	%
Pinus ponderosa	5%	Amelanchier alnifolia	5%	Balsamorhiza sagittata	40%
		Artemisia tridentata	5%	Lomatium macrocarpum	5%
				Calamagrostis rubescens	70%
				Achillea millefolium	5%
				Vicia americana	5%
				Gaillardia arisata	5%

LOCATION: Gordon Creek

Photo Fuel Plot # 97-5-06-002-2



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	West	Location	Gordon creek
Slope (%)	30	GPS Coordinates	N50-14.808 W121-05.757
Elevation (m)	609	Map sheet	921.025
Fuel Type	C7	Polygon #	452/1
Bigeoclimatic Zone	PPxh2	FOREST COVER SUMMARY	
SOILS		Primary Species	<i>Pinus ponderosa</i>
LFH Layer	11cm	Secondary Species	<i>Pseudotsuga menziesii</i>
Humus Form	mor	% Canopy Closure	35
Soil Order	Brunisol	Treatment Type	Clearcut
Moisture Regime	mesic	Year of Treatment	1960
Nutrient regime	n/a	TREE AND FUEL CALCULATIONS	
Texture	Silty-loam	Average Tree Height (m)	22
CREW LIST		Average Height to Live Crown (m)	14.33
Merritt IA		Coarse Woody Debris Mass (t/ha)	0
		Fine Fuel Mass (t/ha)	5.26

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Amelanchier alnifolia</i>	70	<i>Vicia americana</i>	5
Secondary Species	<i>Mahonia aquilifolium</i>	60	<i>Bromus tectorum</i>	5

VEGETATION					
Unique #:	97-5-06-002-2	Location:	Merritt		
GPS co ordinates	N50-14.808' W121-05.757	Surveyors:	NJ, Merritt IA		
Map#:	92L.025	Polygon #	452/I		
Seedlings species	%	Brush species	%	Herbaceous species	%
		Arctostaphylos uva-ursi	20%	Vicia americana	5%
		Amelanchier alnifolia	70%	Bromus tectorum	5%
		Shepherdia canadensis	30%		
		Mahonia aquilifolium	60%		

LOCATION: Gordon Creek

Photo Fuel Plot # 97-5-06-002-3



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	North east	Location	Gordon Creek
Slope (%)	20	GPS Coordinates	N50-14.568 W121-05.610
Elevation (m)	561	Map sheet	92I.025
Fuel Type	C7	Polygon #	452/I
Bigeoclimatic Zone	PPxh2	FOREST COVER SUMMARY	
SOILS		Primary Species	<i>Pinus ponderosa</i>
LFH Layer	3cm	Secondary Species	<i>Pseudotsuga menziesii</i>
Humus Form	mor	% Canopy Closure	30
Soil Order	Brunisol	Treatment Type	none
Moisture Regime	xeric-submesic	Year of Treatment	n/a
Nutrient regime	poor	TREE AND FUEL CALCULATIONS	
Texture	Sandy-clay	Average Tree Height (m)	8.67
CREW LIST		Average Height to Live Crown (m)	2.27
Merritt IA		Coarse Woody Debris Mass (t/ha)	0
		Fine Fuel Mass (t/ha)	3.52

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Amelanchier alnifolia</i>	15	<i>Bromus tectorum</i>	30
Secondary Species	<i>Chrysothamnus nauseosus</i>	5	<i>Lomatium macrocarpum</i>	5

VEGETATION					
Unique #:	97-5-06-002-3		Location:		Merritt
GPS co ordinates	N49-29.312' W119-28.360		Surveyors:	NJ, Merritt IA	
Map#:	92I.025		Polygon #	452/1	
Seedlings species	%	Brush species	%	Herbaceous species	%
		Chrysothamnus nauseosus	5%	Bromus tectorum	30%
		Amelanchier alnifolia	15%	Lomatium macrocarpum	5%
		Acer glabrum	5%	Anaphalis margaritacea	5%
				Agropyron spicatum	5%
				Antennaria racemosa	5%

LOCATION: SE Tyner Lake

Photo Fuel Plot # 97-5-06-004-1



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	North West	Location	SE Tyner Lake
Slope (%)	10	GPS Coordinates	N50-16.629W120-53-258
Elevation (m)	1269	Map sheet	92I.026
Fuel Type	C3 structure with Sx, Bl component	Polygon #	135
Bigeoclimatic Zone	IDFdk1	FOREST COVER SUMMARY	
SOILS		Primary Species	n/a
LFH Layer	6cm	Secondary Species	n/a
Humus Form	mor	% Canopy Closure	0
Soil Order	brunisol	Treatment Type	mech clearcut
Moisture Regime	mesic	Year of Treatment	1991
Nutrient regime	med	TREE AND FUEL CALCULATIONS	
Texture	Loamy-Sand	Average Tree Height (m)	n/a
CREW LIST		Average Height to Live Crown (m)	n/a
Merritt IA		Coarse Woody Debris Mass (t/ha)	48
		Fine Fuel Mass (t/ha)	19.8

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Paxistima myrsinites</i>	50	<i>Vicia americana</i>	5
Secondary Species	<i>Arctostaphylos uva-ursi</i>	30	<i>Antennaria racemosa</i>	5

VEGETATION					
Unique #:		97-5-06-004-1		Location:	
GPS co ordinates		N50-16.629' W120-53.258'		Merritt	
Surveyors:		NJ, Merritt IA			
Map#:	921.026	Polygon #		135	
Seedlings species	%	Brush species	%	Herbaceous species	%
Pinus contorta	100%	Juniperous communis	5%	Vicia americana	5%
		Paxistima myrsinites	50%	Antennaria racemosa	5%
		Arctostaphylos uva-ursi	30%	Fragaria virginiana	5%
		Rosa acicularis	5%		
		Shepherdia canadensis	15%		
		Spiraea betufoia	30%		

LOCATION: Grasshopper Road

Photo Fuel Plot # 97-5-06-006-1



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	South	Location	Grasshopper rd
Slope (%)	10	GPS Coordinates	N49-32.673 W120-55.706
Elevation (m)	1207	Map sheet	92H.056
Fuel Type	no classification	Polygon #	
Bigeoclimatic Zone	ESSFmw	FOREST COVER SUMMARY	
SOILS		Primary Species	n/a
LFH Layer	6cm	Secondary Species	n/a
Humus Form	moder	% Canopy Closure	0
Soil Order	Brunisol	Treatment Type	clearcut
Moisture Regime	n/a	Year of Treatment	1983
Nutrient regime	n/a	TREE AND FUEL CALCULATIONS	
Texture	Sandy Loam	Average Tree Height (m)	n/a
CREW LIST		Average Height to Live Crown (m)	n/a
Merritt IA		Coarse Woody Debris Mass (t/ha)	142.4
		Fine Fuel Mass (t/ha)	7.59

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Paxistima myrsinites</i>	20	<i>Clintonia uniflora</i>	5
Secondary Species	<i>Vaccinium membranaceum</i>	10	<i>Streptopus roseus</i>	5

VEGETATION					
Unique #:	97-5-06-006-1	Location:			Merritt
GPS co ordinates	N49-32.673 W1120-55.706	Surveyors:		NJ, Merritt IA	
Map#:	92H.056	Polygon #:			
Seedlings species	%	Brush species	%	Herbaceous species	%
Picea engelmannii	100%	Paxistima myrsinites	20%	Clintonia uniflora	5%
		Vaccinium membranaceum	10%	Streptopus roseus	5%
		Sambucus racemosa	5%	Hieracium auratiacum	5%
				Carex rossii	5%
				Clintonia uniflora	5%
				Cornus canadensis	5%
				Carex phaeocephala	5%
				Fragaria virginiana	5%
				Tiarella unifoliata	5%

ADDITIONAL COMMENTS
was S2 before prescribed burn - now no classification

LOCATION: Grasshopper Road

Photo Fuel Plot # 97-5-06-006-2



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	South	Location	Grasshopper rd
Slope (%)	30	GPS Coordinates	N49-32.770 W120-55.090
Elevation (m)	1300	Map sheet	92H.056
Fuel Type	S2	Polygon #	283
Bigeoclimatic Zone	MSdm2	FOREST COVER SUMMARY	
SOILS		Primary Species	n/a
LFH Layer	3cm	Secondary Species	n/a
Humus Form	mull	% Canopy Closure	n/a
Soil Order	brunisol	Treatment Type	clearcut
Moisture Regime	submesic	Year of Treatment	1991-93
Nutrient regime	medium	TREE AND FUEL CALCULATIONS	
Texture	Loamy-Sand	Average Tree Height (m)	n/a
CREW LIST		Average Height to Live Crown (m)	n/a
Merritt IA		Coarse Woody Debris Mass (t/ha)	63.7
		Fine Fuel Mass (t/ha)	18.34

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Paxistma myrsinites</i>	70	<i>Cornus canadensis</i>	40
Secondary Species	<i>Rubus parviflorus</i>	50	<i>Epilobium angustifolium</i>	40

VEGETATION					
Past Unique #:	92-5-06-006-2	New Unique #	97-5-06-006-2		
GPS co ordinates	N49-32.770' W120-55.090'	Surveyors:	NJ, Merritt IA		
Location:	Merritt	Map#:	92H.056	Polygon #:	283
Seedlings species	%	Brush species	%	Herbaceous species	%
		<i>Paxistma myrsinites</i>	70%	<i>Cornus canadensis</i>	40%
		<i>Rosa acicularis</i>	10%	<i>Bromus anomalus</i>	5%
		<i>Ribes lacustre</i>	10%	<i>Epilobium angustifolium</i>	40%
		<i>Vaccinium membranaceum</i>	5%	<i>Lupinus arcticus</i>	5%
		<i>Lonicera utahensis</i>	5%	<i>Equisetum arvense</i>	5%
		<i>Rubus parviflorus</i>	50%		

LOCATION: Tulameen Road

Photo Fuel Plot # 97-5-06-006-3



Post 1



Post 2



Post 3

ECOLOGY		PLOT SUMMARY	
Aspect	South West	Location	Tulameen Rd.
Slope (%)	20	GPS Coordinates	N49-33.985 W120-57.196
Elevation (m)	1292	Map sheet	n/a
Fuel Type	S2	Polygon #	n/a
Bigeoclimatic Zone	ESSFdc2	FOREST COVER SUMMARY	
SOILS		Primary Species	n/a
LFH Layer	7cm	Secondary Species	n/a
Humus Form	moder	% Canopy Closure	n/a
Soil Order	n/a	Treatment Type	Clearcut
Moisture Regime	very xeric	Year of Treatment	n/a
Nutrient regime	n/a	TREE AND FUEL CALCULATIONS	
Texture	Sandy-loam	Average Tree Height (m)	0
CREW LIST		Average Height to Live Crown (m)	n/a
		Coarse Woody Debris Mass (t/ha)	40.7
		Fine Fuel Mass (t/ha)	4.65
Merritt IA			

VEGETATION COVER				
	Brush Species	%	Herbaceous Species	%
Primary Species	<i>Paxistma myrsinites</i>	20	<i>Epilobium angustifolium</i>	20
Secondary Species	<i>Vaccinium membranaceum</i>	5	<i>Carex rossii</i>	10

VEGETATION					
Unique #:		97-5-06-006-3		Surveyors:	
GPS co ordinates		N49-33.985 W120-57.186		NJ, Merritt IA	
Map#:		n/a			
Seedlings species		%	Brush species	%	Herbaceous species
			<i>Paxistma myrsinites</i>	20%	<i>Carex rossii</i>
			<i>Vaccinium membranaceum</i>	5%	<i>Carex phaeocephala</i>
			<i>Ceanothus sanguineus</i>	5%	<i>Hieracium aurantiacum</i>
			<i>Lonicerra utahensis</i>	5%	<i>Epilobium angustifolium</i>
					<i>Calamagrostis rubescens</i>
					<i>Antennaria racemosa</i>