

17,000

33UA - UB - 12%  
 mos - 11%  
 mod - 9%  
 low - 39%

30MB  
 64QG  
 64QE  
 30QG  
 30QE  
 30MC  
 Rd. 5500  
 18010

12 ~~100~~ 100 ft transects Run in

a total of   
 15fb h }  
 30mc h } Rd. 18008  
 Rd. 5498.

9 mile

Rd 5498	high	15JB	9m2v	15JB
Rd. 18008	<sup>mos</sup> mod.	30mc	9m1v	30mc
34048	high	64mc	9m4v	64mc
34048	high	30mc	9m3v	30QE
18008	high	30QE	9m5v	33UA
18102	mod	30QE	9m6v	32UA
5498	mod	15JB	9m7v	
18139	mod	33UA	9m8v	
18102	mod	32QA	9m9v	
5572	low	- 33UA	9m10v	
17281	mosaic	- <del>33UA</del> 30QE	9m11v	
5498	low	15JB	9m12v	

Soil Quality Field Evaluation Form  
7.01

Region: 1 State: MT Forest: Lolo District: 9 mile

Project/Area being evaluated: 9 mile burn Soldier Creek

Evaluation Date: 8.30.01 Evaluating person/crew: L.H

Areal extent method: Visual -  Transect: 9M T1 (9MI)

Monitoring method: Visual -  Measured - not done

Sampling Technique: Observed -  Measured -

Photos: NO

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
30m	N	N	N	N mod	1-1.5 duff 2-5%	N	N
11	N	N	N	N mod	1	N	N
"	N	N	N	" "	1-1 1/2	N	N
"	N	N	N	" "	1	N	N
"	N	"	N	N mod	1 1/2-2	N	N
#	N	"	N	N mod	1	N	N
2 1/2	N	"	"	N mod	1/2	N	N
"	N	"	"	N mod	1/2	N	N
"	N	"	"	N mod	1	N	N
"	N	"	"	N mod	1	N	N

Rd. 18008 - rutting erosion; use some H2O bars.  
 ~ 1-1.5" duff, 1-3" A/E in each 2+ 10 yr 5/4 (d12)  
 2-3% Cobb. in 5" of surf typ. 30 MC  
 cross was surface sheet.  
 The area is more mod burn than mod.

Soil Quality Field Evaluation Form

7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9 mile Fire FY2000 camp Crk. Watershed.

Evaluation Date: 8.30.01 Evaluating person/crew: Laura Hedrell

Areal extent method: Visual - Transect- 9.1m<sup>2</sup> 155B N/A

Monitoring method: Visual - Measured -

Sampling Technique: Observed - y Measured - y

Photos: see photos 8.3.02.

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
155B	N	N	N	Y	15-1	Rills	low
	N	N	N	Y		"	
	N	N	N	Y		"	
			3 feet	N		"	
			3 feet	N		"	
			3 feet	Y		"	
						"	
						"	
						"	
						"	
						"	
						"	

off main rd. 5498. gentle slope. 10-25.  
 wet. lots down trees in drain. not as bad as solder.  
 some charred rocks in upper areas. stay out of log.  
 \* gully starting off to right of tran.  
 soil 10<sup>1</sup>/<sub>R</sub> 4/3 sil & L. some 7.5<sup>1</sup>/<sub>R</sub> 5/4. ~ 35-40% g.

Soil Quality Field Evaluation Form

7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9 mile Fire FY 2000 Camp Cr. Watershed

Evaluation Date: 8.30.01 Evaluating person/crew: Laura Hubert

Areal extent method: Visual - Transect- 9m x 30m high

Monitoring method: Visual - Measured -

Sampling Technique: Observed - 7 Measured - 4

Photos: N

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
30m	N	N	N	NO	1.5	slut	N
30m			N	NO	1.5	slut	
"			N	NO	2	"	
"			N	chaining	1.5	"	
			N	NO	1.5	"	
"				NO	2	slut	
"				NO	2	slut	
"				NO	2	veg. till	
"				"	2	slut	
"	✓	✓	✓	"	2	"	✓

off rd 34048 almost at end of rd. try to get down towards stream. Most slope 30-45. gentler near stream. lots of down trees near stream

10 YR. 5/4 vs 9/2 ~ 8-12"  
still lot of roots in tact. some green. More moderate mod life along this tran.

Soil Quality Field Evaluation Form  
7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9 mile Fire by 2000 Comp CK H20 shed

Evaluation Date: 8.30.01 Evaluating person/crew: L Hadmell

Areal extent method: Visual - Transect: 9 m4 64 mc high

Monitoring method: Visual - Measured -

Sampling Technique: Observed - Measured -

Photos: 70

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
1/4 MC	N	N	N	4	1		N
				4	1		
				4	1		
				4	1.5		
				N	1.5		
				N	1		
				N	2		
				N	2		
				N	1.5		

at end of Rd. 3404 V. up from stream 3. center slope mainly 30-40% some Steeper just off rd.

104R 4/4 - 5/4 21L C ~ 30-40% gr. Slope 9 m.

104R 5/4 2 C 45% gr.

roots in fact some changed on top, lots down trees area stream.

may need to clean out stream area of down.

Soil Quality Field Evaluation Form  
7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9m Fire Fy 2000 Comp ck H2ashed,

Evaluation Date: 8.30.01 Evaluating person/crew: L Radnell

Areal extent method: Visual - Transect- 9ms 300E 20ft Mod.

Monitoring method: Visual - Measured -

Sampling Technique: Observed - Measured -

Photos:

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
200E	N	N	N	N	1.5	N	N
	N	N	N	N	2	gully	N
	N	N	N	N	1.5	N	N

off Rd. 19009 off curve just before the end very gentle slopes  
25-35. Super down to creek. Stayed on upper part not creek.  
some gullies 1.5-2' deep. Some surface RO.  
did not make it into the high severe all in Mod. to stay.  
can't use for n: f<sub>+</sub>

Soil Quality Field Evaluation Form  
7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9 mile Fire FY2000 Soldier Creek Watershed

Evaluation Date: 8/31/01 Evaluating person/crew: Hudnell

Areal extent method: Visual - Transect- 9mb 30QE mod.

Monitoring method: Visual - Measured -

Sampling Technique: Observed - y Measured - y

Photos:

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
30QE	N	N	N	N	1.5	sheet	N
					2	sheet	
					2.5		
					2.5		
					1.5		
		*			2		
					1.5		
					2		

off Rd 18102. 2<sup>nd</sup> curve before indoped def. next beam.  
 still see grasses, roots intact & no churning clay from.  
 10 y R. 4/3 dry to 12" still. gl at ~ 10.5" 5199.7  
 slopes 30-40%.  
 Rd could use markers at curves  
 \* might be old skid trail. no 5 roots noted but rather  
 open area.

Soil Quality Field Evaluation Form

7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9 mile Fire Fy2000 Burnt Fork Watershed

Evaluation Date: 8.31.01 Evaluating person/crew: L. Hudnell

Areal extent method: Visual - Transect- 9m7 15JB mod

Monitoring method: Visual - Measured -

Sampling Technique: Observed - y Measured - y

Photos:

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
15JB	R?	R?	R?	N	5	shut	N
	N	N	N		1	shut	
	N	N	N		0.5		
					1.5		
					1		
					1.5		
					1		
					1		

off rd. 5498 main road before intersect of w/ th 18102.  
 priority Flat 5-15% slope. some green along the road  
 roots in tact, visible, no chert

10YR 7/5 gr scl at ~ 11" all steps where sil from  
 0 - ~ 12" except. st. 7 where the scl was.

these soils very compactable easy to rut or get stuck.  
 winter only. Reprowth is good for ~ 45-55% ei.  
 \* growing seen

\* some one may have come off the rd. got a trail way.



Soil Quality Field Evaluation Form

7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9 mile fire FY2000 Soldier Cr. H20 shed

Evaluation Date: 8.31.01 Evaluating person/crew: L Hadrell

Areal extent method: Visual - Transect- 9m x 32 QA mod

Monitoring method: Visual - Measured -

Sampling Technique: Observed - y Measured - y

Photos:

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
32A	N	N	N	N	.5	shut	N
					.5	ped	
					.5	sheet	
					1	shut	
					.5		
					.5		
					.5		
					.5		
					.5		
					.5		

off rd. 18102 just before last switch. in mod. not undisturbed  
 stayed on ridge top. lots of grass etc - 35 - 55% cover  
 ash ~ .5 to 1 inch but not consist. slope. 15-25.  
 text. mostly sandy with sil at steps. 1-3. 7.5 y R/S  
 dry. lots surface rock visible. some ped + sheet but  
 no gullies

Soil Quality Field Evaluation Form  
7.01

Region: 1

State: Montana

Forest: Lolo

District: Superior

Ninemile

Project/Area being evaluated: 9 mile FY2000 St. Louis CK Watershed

Evaluation Date: 9.1.01 Evaluating person/crew: L. Kadwell

Areal extent method: Visual -

Transect: 9m933 UA mod

Monitoring method: Visual -

Measured -

Sampling Technique: Observed -

Measured -

Photos:

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
3311	N	N	N	N	2.5	Sheet	N
					.5	Sheet	
					.5	"	
					2.5	"	
					"	N	
					"	N	
					.5	N	
					.5	pedicel	
					.5	Sheet	
					.5	Sheet	

off Rd. 18139 just after cross the drainage and side well into mod. not unburned. very gentle slopes 10 - 25% along the ridge. Very rocky. 10 YR 5/4 dry cobbles > 25%. roots were SL well armored.

### Soil Quality Field Evaluation Form 7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9 mile fire FY2000 St. Louis ck. Watershed

Evaluation Date: 9/27/00 Evaluating person/crew: L Hudson

Areal extent method: Visual - Transect: 9M10 334A low

Monitoring method: Visual - Measured -

Sampling Technique: Observed - y Measured - y

Photos:

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
3311A	N	N	N	N	.5	good	N
			N		.5	good	
					.5	good	
					1	good	
					1	good	
					1	good	
					1	good	
					1	good	
					1	good	
					1	good	
					1	good	
					1	good	

off rd. 5572 just after the creek + before the wetlands  
 steeper slope than transect 9m9 much more grasses  
 little blackend veg.  
 10 1/2 s/h 5/3 dry. mostly sil here finer text. than  
 transect 9m9. still surface cl + st's ~ 25-40%

Soil Quality Field Evaluation Form  
 7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9 mile Fire FY2000 Burnt Fork Watershed

Evaluation Date: 9.1.01 Evaluating person/crew: 1 household

Areal extent method: Visual - Transect- 9M11 300E mosaic.

Monitoring method: Visual - Measured -

Sampling Technique: Observed - y Measured - y

Photos:

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
300E	N	N	**N	N	* 1.5-2"	cracks	N
				N		sheet	N
				N		sheet	N
				N		sheet	N
				char. in		rills	N
				N		rills	N
						sheet	N
							N
							N
							N

off rd. 19291 main rd. Just off curve. slopes range from ~32 at first few steps to 40%+ at last step. could not make it to stream. lots of down trees. some saw burn stop 5 char. in seen. no tree steps

\* mostly dead needles. still identifiable.

\*\* was was compactable when stepped on. no old 5" roots found.

Soil Quality Field Evaluation Form  
7.01

Region: 1 State: Montana Forest: Lolo District: Superior Ninemile

Project/Area being evaluated: 9 mile Fire FY 2000 Burnt Fork H20 sheet.

Evaluation Date: 9, 1, 01 Evaluating person/crew: J Hudnell

Areal extent method: Visual - Transect- 9M12 15JB low

Monitoring method: Visual - Measured -

Sampling Technique: Observed - y Measured - y

Photos:

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
15JB	N	N	N	N	1-1.5	ped	N
	N	N			1	N	
					1	N	
					1.5	N	
					1.5	N	
					1	ped	
					1	ped	
					1	N	
					1	N	
					1.5	N	

off rd. 5498 main rd. just after interced of 10013.  
 very flat. 8-15% slope. The trail area need some  
 H2O baro. erosion along lower portion of trail. Not directly  
 from fire though.  
 veg is ~ 35-45% mainly grasses. surface rock ~  
 15%  
 10YR 4/4 sil to ~ 12" compacted soils observed