

-2.54 0-7.62
7.62-27.94

27.94 - 40.64

27.94 - 48.24

1.27 3.81

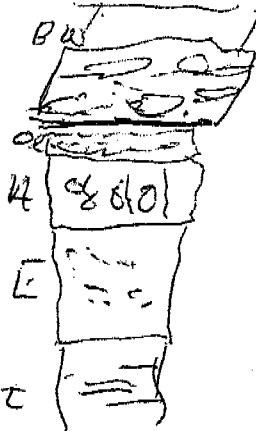
30 QE

64 MC

3 trams

37261 mod. 30QE A11
536 mod. 64MC A12
5475 mosaic 43QA A13
536 Severe 30QE A14

32QA unb 31%
mos 16%
mod 7
mod 38
low 41
high 30%



CU

BT

905 skyline

153 skyline

Soil Quality Field Evaluation Form
 7.01

Region: 1 State: MT Forest: Lolo District: Superior

Project/Area being evaluated: Alpine Fire FY2000

Evaluation Date: 8.12.01 Evaluating person/crew: Laura Hudnell, Brent Bance

Areal extent method: Visual - N/A Transect- N/A

Monitoring method: Visual - ✓ Measured - 100' transects @ slope of 10' (A1)

Sampling Technique: Observed - ✓ Measured - 0m and Ruffs with ruler

Photos: NO.

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
30QE	near rd, 5 m	yes	yes	NO	not measurable	NO	NO
30QE	"	"	"	NO	"	NO	NO
30QE	NO	NO	NO	"	.5	NO	NO
	NO	NO	NO	"	.5	NO	NO
	* NO	NO	NO	"	.75	Sheet	NO
30QE	NO	NO	NO	"	1	fill + ped	NO
"	"	"	"	"	.5	NO	NO
"	"	"	"	"	.5	NO	NO
"	"	"	"	"	1	NO	NO
"	"	"	"	"	1	NO	NO

- Fits the landscape for 30QE with the draw and convex slopes
- mod. burn area. surrounded by unburned. the small drain is more burned than the side areas but all mod. burns still see some veg and roots well intact.
- off rd. 37261. (double rd #). X the drainage to see if erosion is a concern. some sheet + a little fill, but not much seen on steps 4+5
- * - someone ran off rd some displacement + rutting
- veg cover is about 75-90% in draw areas ~ 65-85 elsewhere.
- ** the loess scarp layer is deeper here may be an inclusion in the drainage area

Soil Quality Field Evaluation Form
 7.01

Region: 1 State: MT Forest: Lolo District: Superior

Project/Area being evaluated: Alpine Fire FY2000

Evaluation Date: 8.12.01 Evaluating person/crew: Laura Hudnell, Bear & Boonce

Areal extent method: Visual - YES Transect- 100' w stops 10' apart (12)

Monitoring method: Visual - NA Measured - NA

Sampling Technique: Observed - ✓ Measured - OM & Fuels with ruler

Photos: NO

LSI	Soil Quality Disturbance Evaluation Criteria						
	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
64m	N	N	N	N	1	N/A	N/A
64m	"	"	"	"	1	"	"
"	"	"	"	"	1.5	"	"
"	"	"	"	"	1.5	"	"
"	"	"	"	"	2	"	"
"	"	"	"	"	1.75	"	"
"	"	"	"	"	1	some slat	"
"	"	"	"	"	1	some red	"
"	"	"	"	"	1.5	N/A	"
"	"	"	"	"	1.5	N/A	"

- Just off Rd. 536 main rd. try to cut through draw. Very steep through here. ~ 52 - 55% slope. RO on surface.
- the ridge may be a mod. low burn. more veg. here than at 1st tran.
- The majority soils seem to be typical Eutroboralfs, L-SK, mx FR. Lots of gr. on surface 10 in. Stops 3 & 4 may be typical Eutrochrepts, L-SK, mx as the soils were more silty. No Andic Dystric Eutrochrepts found on this transect.

Soil Quality Field Evaluation Form
 7.01

Region: 1 State: MT Forest: Lolo District: Superior

Project/Area being evaluated: Alpine Fire FY2000

Evaluation Date: 8-12-01 Evaluating person/crew: Laura Audrell & Bear

Areal extent method: Visual - Transect- 100' ± stops of 10' (A13)

Monitoring method: Visual - NA Measured - NA

Sampling Technique: Observed - yes Measured - yes OM + vats with water

Photos: NO

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
430A	N	N	N	N (mod)	.5	N	N
430A	N	N	N	N (mod)	.5	N	"
430A	N	N	N	N (mod)	.5	N	"
	N	N	N	N (mod)	.5	N	"
	"	"	"	N (unburn)	.75	"	"
"	"	"	"	N (mod)	.5	"	"
"	"	"	"	N (mod)	.5	sa. stud	"
"	"	"	"	N (mod)	.5	"	"
"	"	"	"	N (mod)	.5	NA	"
"	"	"	"	No heavy burnsites	2.5	pedistals	"

- came off FS Rd 5475, south of the 17402 intusection, seems a good mosaic area. can see some green in with the black, only the last stop was in black or severe burn.
- most soils seemed to be Andic Cryochrepts, L-SK, MX. with loess layers ending at about 12"
- not a lot of surface ash except towards the end of the transect

Soil Quality Field Evaluation Form
7.01

Region: 1 State: MT Forest: 2010 District: Superior

Project/Area being evaluated: Alpine Fire FY 2000

Evaluation Date: 8-12-01 Evaluating person/crew: Laura Hudnell + Bear

Areal extent method: Visual - ✓ Transect- 100' with stops of 10' (14)

Monitoring method: Visual - N/A Measured - N/A

Sampling Technique: Observed - YES Measured - 0 m + ruffs with ruler

Photos: NO

Soil Quality Disturbance Evaluation Criteria							
LSI	Displacement	Rutting	Compaction	Severely Burned	Above Ground Organic Matter	Surface Erosion Hazard	Mass Movement Hazard
320E	NO	NO	NO	YES	1.5	NO	NO
11	NO	NO	NO	hydrophobic YES	0	shrub	NO
11	NO	NO	NO	YES	1.5	11	NO
	NO	NO	NO	YES	1.5	pedistal	NO
	NO	NO	NO	hydrophobic YES	0	small rills	NO
11	NO	NO	NO	hydrophobic YES	0	small rills	NO
11	NO	NO	NO	YES	0	NO	NO
11	NO	NO	NO	YES	1.5	NO	NO
11	NO	NO	NO	YES	1.5	NO	NO
11	NO	NO	NO	YES	1.5	pedistal	NO

- off FS rd. 536, main rd. the sever polygon cuts into the 320A LSI but did not run transect to this area, stayed to the 30 QE. No road access to the 320A LSI.
- higher on the ridge than the 1st tran. not as much of a draw area.
- high burn severity & some hydrophobic cond. seen at stops 2, 5 + 6. some charred orange colored soils away from transect.