

#5 Loamy profile subject to compaction
 5YR 5/4 color more gravels with depth 24" = 50% as you go deeper
 5% fragments upper 24". 24" plus = 7.5YR 4/4 roots will or are congregate at coarse layer

Finley Flat

Finley Flat

8. SOIL SERIES, TYPE PHASE		MAP SYMBOL	SLOPE %	ASPECT	ELEVATION FT.	DATE	BY	PHOTO NO.	STOP NO.
9. COVER TYPE		MAP SYMBOL	COVER ELEMENTS		SITE TREE MEASUREMENTS		SPECIES	AGE YRS	HEIGHT FT.
10. SOIL LOSS DETERMINATION DATA IN %		LITTER		BARE GROUND		COARSE FRAGMENTS		VEGETATION BASAL AREA	
11. SPECIES									
TREES %			SHRUBS %	HERBS %		MISCELLANEOUS ELEMENTS			
COMMERCIAL CONIFERS %	NONCOMMERCIAL CONIFERS %	HARDWOODS %		FORBS %	GRASS %				
12. OTHER SOIL CHARACTERISTICS AND QUALITIES					13. OTHER MEASURED DATA AND/OR REMARKS				
a. Effective rooting depth		(INCHES)			a. Inherent Erosion Hazard Rating: + + + = or				
b. Soil erodibility (soil char. only)		+ + + =			b. Yield data				
c. Available Water Holding Capacity		(INCHES)							
d. Hydrologic Soil Group									
e. Susceptibility to compaction									
f. Susceptibility to forming dust									
g. AASHO Classification									
h. Unified Classification									
i. U.S.L.E. "K" estimation									

M. L.
[Signature]

#4 Same as 1 medium sands
and at depth some layer is
holding up moisture

5A Sandy with more gravels than #4
next to reservoir
3 feet above water

Sandy

Soil Profile and Environment Description

This profile
has good
water
& nutrient
capacity

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-#3 SOIL PROFILE AND ENVIRONMENT DESCRIPTION																		
1. TYPE OF PROFILE EXPOSURE																		
2. SOIL SERIES, TYPE, PHASE		MAP SYMBOL	CLASSIFICATION				DATE	BY	PHOTO NO.	STOP NO.								
3. AREA		FOREST	RANGER DIST	USGS QUADRANGLE	STATE	COUNTY	LOCATION											
4. PARENT ROCK		FORMATION NAME	DEPTH TO HARD ROCK	FRACTURING	WEATHERING	ROCK OUTCROP	SEC. T.	R.	B.M.	<table border="1"> <tr> <td>+</td> <td>+</td> </tr> <tr> <td>+</td> <td>+</td> </tr> </table>					+	+	+	+
+	+																	
+	+																	
5. LANDFORM		SLOPE %	SIMPLE	CONFIGURATION	PLAN	LENGTH	ASPECT	ELEVATION	EROSION	GULLIES	STABILITY							
6. CLIMATIC ZONE (VEG.)		PRECIP.	AV. TEMP.	LITTER TYPE	SOIL TEMP.	INFILTRA-TION	PERCOLA-TION	STORAGE	DRAINAGE CLASS	WATER TABLE (FT.)								
7. HO-RI-ZON	DEPTH	COLOR		TEXTURE	STRUCTURE	CONSISTENCE	CLAY	COBBLE	ROOTS	PORES	DH	BOUND-ARY	PERM.	% B. S.	MOIS-TURE			
		DRY, MOIST, CRUSHED, MOTTLING														% CLAY	% GRAVEL	DRY, MOIST
0	1-1/2"			Needle litter	-													
	1/2-0"	10YR 7/2	0. M	-	-													
	0-3"		10YR 5/3	si	1 m pl				m									
	3-16"		10YR 6/3	Si	1 m pl 2 msbk				m									
	16-24"		10YR 7/3	Si	3 msbk				m									
	24-60+"		10YR 7/3	Si	3 m pl				c									
	cm	Epipedon																
	cm	Diagnostic Horizon(s)																
	cm																	
	cm	Control Section & Particle Size																
Family Criteria																		
Field Classification																		
REMARKS																		

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SOIL PROFILE AND ENVIRONMENT DESCRIPTION

05/28/1986

1. TYPE OF PROFILE EXPOSURE #1																
2. SOIL SERIES, TYPE, PHASE				MAP SYMBOL				CLASSIFICATION				DATE 5-28-86	BY	PHOTO NO.	STOP NO.	
3. AREA Finley		Finley		FOREST Lolo		Lolo		RANGER DIST.	USGS QUADRANGLE	STATE	COUNTY	LOCATION				
4. PARENT ROCK outwash				FORMATION NAME				DEPTH TO HARD ROCK FT.		FRACTURING		WEATHERING	ROCK OUTCROP	SURFACE CO. FRAG.		
5. LANDFORM River bench 20' over				SLOPE % 2		SIMPLE COMPLEX <input checked="" type="checkbox"/>		CONFIGURATION TAN - PERP.		PLAN X	LENGTH	ASPECT E	ELEVATION 2340	EROSION 0	GULLIES -	STABILITY gvd
6. CLIMATIC ZONE (VEG.)				PRECIP. IN.	AV. TEMP. OF	LITTER TYPE grass	SOIL TEMP. Fr 9-20"		INFILTRA- TION R	PERCOLA- TION R	STORAGE VL	DRAINAGE CLASS Exc		WATER TABLE (FT.) 20+1		
7. HO- RI- ZON	DEPTH	COLOR DRY, MOIST, CRUSHED, MOTTLING		TEXTURE & CLAY & GRAVEL	STRUCTURE	CONSISTENCE DRY, MOIST WET, CEM.	CLAY EILMS	COBBLE STONE BOULDER %VOL.	ROOTS	PORES	pH	BOUND- ARY	PERM.	% B.S.	MOIS- TURE	
		DRY	MOIST													
0	0-5 cm		10YR 3/3	vfs	lfgr		D M W	-	0	M			CS	R		70%
	5-18 cm		10YR 5/3	vfs	sg		D M W	-	0	M			cw	R		"
	18-60+ cm		10YR 6/2	vfs	sg		D M W	-	0	vf			-	R		"
	cm						D M W									
	cm						D M W									
	cm						D M W									
	cm						D M W									
	cm	Epipedon 3-4% OM.				REMARKS										
	cm	Diagnostic Horizon(s) cambic														
	cm	Control Section & Particle Size v f														
Family Criteria																
Field Classification																

8. SOIL SERIES, TYPE PHASE		MAP SYMBOL	SLOPE %	ASPECT	ELEVATION FT.	DATE	BY	PHOTO NO.	STOP NO.
9. COVER TYPE		MAP SYMBOL	COVER ELEMENTS	SITE TREE MEASUREMENTS		SPECIES	AGE	HEIGHT	SITE
10. SOIL LOSS DETERMINATION DATA IN %		LITTER	BARE GROUND	CURVES		COARSE FRAGMENTS	YRS	FT.	VEGETATION BASAL AREA
11. SPECIES									
TREES %			SHRUBS %	HERBS %		MISCELLANEOUS ELEMENTS			
COMMERCIAL CONIFERS %	NONCOMMERCIAL CONIFERS %	HARDWOODS %		FORBS %	GRASS %				
12. OTHER SOIL CHARACTERISTICS AND QUALITIES					13. OTHER MEASURED DATA AND/OR REMARKS				
a. Effective rooting depth		(INCHES)			a. Inherent Erosion Hazard Rating: + + + = or				
b. Soil erodibility (soil char. only)		+ + + =			b. Yield data				
c. Available Water Holding Capacity		(INCHES)							
d. Hydrologic Soil Group									
e. Susceptibility to compaction									
f. Susceptibility to forming dust									
g. AASHO Classification									
h. Unified Classification									
i. U.S.L.E. "K" estimation									

#2 Sandy profile same layers as #1 but after 18" there are loamy sand layers will hold a little extra moisture
Ice rafting would account for large boulders

Administrative Site

USDA - FOREST SERVICE																			
Open grown pine										SOIL PROFILE AND ENVIRONMENT DESCRIPTION					Open grown pine Administrative Site				
1. TYPE OF PROFILE EXPOSURE #1 Site 2																			
2. SOIL SERIES, TYPE, PHASE			MAP SYMBOL		CLASSIFICATION					DATE		BY		PHOTO NO.		STOP NO.			
3. AREA			FOREST		RANGER DIST.		USGS QUADRANGLE		STATE		COUNTY		LOCATION						
4. TARGET CO.			FORMATION NAME		DEPTH TO HARD ROCK FT.		FRACTURING		WEATHERING		ROCK OUTCROP		SURFACE CO. FRAG.		B.M.				
5. LANDFORM			SLOPE %		SIMPLE <input type="checkbox"/>	CONFIGURATION		PLAN	LENGTH	ASPECT	ELEVATION		EROSION	GULLIES	STABILITY				
6. CLIMATIC ZONE (VEG.)			PRECIP. IN.		AV. TEMP. OF		LITTER TYPE		SOIL TEMP. OF 20"		INFILTRATION		PERCOLATION		STORAGE	DRAINAGE CLASS	WATER TABLE (FT.)		
7. HO-RI-ZON	DEPTH	COLOR DRY, MOIST, CRUSHED, MOTTLING		TEXTURE % CLAY % GRAVEL	STRUCTURE	CONSISTENCE DRY, MOIST WET, CEM.	CLAY FILMS	COBBLE STONE BOULDER %VOL.	ROOTS	PORES	pH	BOUND-ARY	PERM.	% B.S.	MOIS-TURE				
		DRY	MOIST																
0	0-4 cm		10YR 3/2	sl	1mgr	M	-	5											
	4-16 cm		7.5YR 2 1/4	sl	1msble	M	-	5											
	16 cm		10YR 4/4	sl	?	M		30											
	--- cm																		
	--- cm																		
	--- cm																		
	--- cm																		
	cm	Epipedon					REMARKS:												
	cm	Diagnostic Horizon(s)																	
	cm																		
	cm	Control Section & Particle Size																	
Family Criteria																			
Field Classification																			

1 = Dark A 4-8"
Red/Brown B Sandy fill

#2 Very little A
Red/Brown B M sandy
open low sand

2A has more vegetation

Site

Topo position key