SITE_NAME: Whiteman Gulch

		EXAMINE	RS:
PLOT_ID:	02SF001	Farley/Arch	er/Vangemert
SLOPE:		UTM_N:	5149277
ASPECT:		UTM_E:	416169
			NAD 27

COMMENTS:

Plot samples harvest unit 31601001, with landtype 56A. One acre area sampled using grid spacing of 7 paces; 33 points taken. Roads bound upper and lower parts of unit, with the upper still traveled. Lower road remains compacted though is vegetated.

MANY ROOTS DEPTH (cm):	3
COMMON ROOTS DEPTH (cm):	12 +/- 0.83
A HORIZON DEPTH (cm):	23 +/- 1.06
BARE GROUND %:	+/- 4.95
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL:	Low Disturbance
Bulk Density Ave Wt	347.47 +/- 18.83
Average Infiltration Rate	430 +/- 34

DISTURBANCE LEVEL: Bulk Density Ave Wt Average Infiltration Rate Intermediate Disturbance 390.70 +/- 18.31 321 +/- 25

DISTURBANCE LEVEL: Bulk Density Ave Wt Average Infiltration Rate High Disturbance 456.57 +/- 12.71 56 +/- 5

Clancy -Unionville

Infiltration	Volume Measurement (ml)					
Undisturbed	1	2	3	4	5	6
1	4400	2860	3080	3160	3440	3300
2	2600	1670	1520	1600	1760	1560
3	2440	1600	1520	1800	1760	1800
Moderately Disturbed						
1	1160	1100	1380	1300	1200	
2	2000	2240	2100	2200	2220	
3	1480	1640	1820	1800	1960	
Disturbed						
1	560	400	460	360	260	340
2	480	340	380	200	400	300
3	180	220	120	140	140	180

Note: Measurements for the Moderately Disturbed site were recorded at 7:30 minute intervals for 35 minutes.

02SF001

Clancy - Unionville

02SF001

Bulk Density

Undisturbed	Dry Wt (g)	Volume (ml)	Density (g/ml)
1	337.1		#DIV/0!
2	321.3		#DIV/0!
3	384.0		#DIV/0!
Moderately Disturbed			
- 1	427.1		#DIV/0!
2	369.0		#DIV/0!
3	376.0		#DIV/0!
Disturbed			
1	438.3		#DIV/0!
2	481.0		#DIV/0!
3	450.4		#DIV/0!

\$2SFC \$1 6/10 Clarge Unionville ٠ Disturged MGT PMChie Area Sampling. Impacto moole UN DISTOBO Compacto-. . . . 16 17 ٠ 15 20121 . . 24 EROSION X DISPLACEMENT × $\boldsymbol{\kappa}$ Compaction X Х Х · • \succ ۲ NONE X X х N. / X MASSINC Sel 5 5 5 5 45 65 40 40 50 40 301 35 VER COV 25 35 30 20 15 50 40 LITTER 40 Real 5 Б 5 10 70 Dwoody 5 5 1Ó 5 1-3 5 3-6 10 D 10 10 Ø 2 10 17-24 1. 714 30 5 . . 1255 P. N. 17 1-7; 15 . .

VA/TV 6/12/07 Pent 5 26 27 28 29 30 31 132 133 Englan LOCATION: one \succ X X 0415097 18J DrSPLACEmix $\boldsymbol{\times}$ X × Zone 12 MASSIVE N 514959 NO ENIDENCE \checkmark X Х \prec \mathbf{X} 5 SOIL 5 10 5 416169 IZT 45 Fa 40 Ver Car 45 50 75 75 40 60 5149277 140 N 20 40 LITTER 35 40 35 15 25 55 Park 5 5 5 Soil Type - 56A 7. wood 4 3 133 5 5 5 5 3-26 6-212 ই 12-24 \mathcal{P}^{i} 10 224 5 MOSS Ho 5 -PAD ISOUNIDS LOWIER & UPDER PHOTOF 0. th SITE, Lower teis is viewertred 075 42 0 THOUGH STUL COMPACTICED. BANKS 0 4 VEGRETATES. 6 R 0 UPPER ROAD Aff m 2 \ll ROCK KAND N 100 100 ア SUD જ 0 TKAY Ų. 50 m 5 5 R 2 \mathcal{O} ROLL

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SITE_NAME:

		EXAMINE	RS:
PLOT_ID:	02SF002	Farley/Arch	er/Vangemert
SLOPE:		UTM_N:	5142550
ASPECT:	78	UTM_E:	408527
			NAD 27

COMMENTS:

Plot samples stand 32101001 in lantype 136. Farley estimates area was precommercial thinned 8-12 years ago. Lower portions of unit have wet soils. Possibly, massive structure is attributable to this. Area was clearcut in 1973.

MANY ROOTS DEPTH (cm):	3
COMMON ROOTS DEPTH (cm):	13 +/- 0.92
A HORIZON DEPTH (cm):	7 +/- 1.00
BARE GROUND %:	+/- 0.97
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL:	Low Disturbance
Bulk Density Ave Wt	+/-
Average Infiltration Rate	622 +/- 81
DISTURBANCE LEVEL: Bulk Density Ave Wt	Intermediate Disturbance +/-
Average Infiltration Rate	54 +/- 5
DISTURBANCE LEVEL:	High Disturbance
Bulk Density Ave Wt	+/-
Average Infiltration Rate	0 +/- 0

PROJECT:	Clancy-Unionvi	lle	Date:	6/18/02
SITE NAM	1E:			
			EXAMINE	RS:
PLOT_ID:	02SF003		Farley/Arch	er/Vangemert
SLOPE:	16		UTM_N:	5141562
ASPECT:	240		UTM_E:	408714
	,			NAD 27
COMMENTS Trantad area a	b: was clearcut in 1070's: tra	otmente include t	ractor varded	a
and broadcast	t burned. 10 acres toe point	nt sampled. Subs	tantial surfac	e e
water and run	off at site during sampling	g. 1	H. 20	
			SF 10-	
MANY ROO	OTS DEPTH (cm):	3		
COMMON	ROOTS DEPTH (cm):	13 +/- 0.	57	
A HORIZO	N DEPTH (cm):	10 +/- 1.	22	
BARE GRO	UND %:	+/- 1.	15	
DUFF DEP	('H (cm):	+/-		
DISTU	RBANCE LEVEL:	Low Distur	bance	
Bulk I	Density Ave Wt	287.60 +/-	- 36.94	
Averag	ge Infiltration Rate	2428 +/-	- 1396	
DISTU	JRBANCE LEVEL:	Intermediate Di	sturbance	
Bulk I	Density Ave Wt	276.97 +/-	- 9.95	
Averag	ge Infiltration Rate	162 +/-	- 15	
DISTU	RBANCE LEVEL:	High Distur	bance	
Bulk I	Density Ave Wt	410.10 +/-	- 38.95	
Averag	ge Infiltration Rate	49 +/-	· 18	

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6/14 2:30p H20 INFILTRATION OZSFOO3 Intermediate Distress 5/18/02 (moderately) Spoke with JAY (PLNge) ABOUT Whiteman Golch private property Tyler Vachemer (m+)BE DIFFICULT. HE IS VERY SKEPTICAL START 2 2 ^{3 0} Q Q:00 730 2730 17 30 1230 of Anyone Doing Anything in 1180 800 640 640 600 THE AREA. Also he is Raising. 2 9:00 930 2430 2930 1430 1930 GERMAN SLEPARD DOGS. BEST 1080 2000 17.20 1160 1140 WALK AROUND THE PROPERTY 449 1630 I mentioned ROSANNA FINLEY SY15X34 34:00 2130 31 30 1130 2630 720 540 480 KNEW HON TO CONTACT HIM. 620 600 JAY SAID THIS WAS ALRIGHT TO go Allero AND CONTACT THE 3230 LAND OWNER THROugh HER. 780 3430 1180 3630 340

PROJECT	Clancy-Unionville	Date:	6/19/02	
SITE_NA	ME:			
		EXAMINE	RS:	
PLOT_ID:	02SF004	Farley/Arch	er/Vangemert	
SLOPE:	25	UTM_N:	5145542	
ASPECT:	340	UTM_E:	410845	
			NAD 27	
COMMENT	S:			

Plot samples unit 32104029 on landtype 36. Site was clearcut and tractor yarded in the 1970's.

MANY ROOTS DEPTH (cm):	2
COMMON ROOTS DEPTH (cm):	13 +/- 0.67
A HORIZON DEPTH (cm):	17 +/- 1.28
BARE GROUND %:	+/- 1.61
DUFF DEPTH (cm):	+/-

Average Infiltration Rate

DISTURBANCE LEVEL:	Low Disturbance
Bulk Density Ave Wt	324.17 +/- 18.48
Average Infiltration Rate	469 +/- 45
DISTURBANCE LEVEL:	Intermediate Disturbance
Bulk Density Ave Wt	331.97 +/- 17.95

456 +/- 53

PROJECT:

SITE_NAME:

PLOT_ID:	02SF005
SLOPE:	35
ASPECT:	342

EXAMINERS: Farley/Archer/Vangemert UTM_N: 5145577 UTM_E: NAD 27

COMMENTS:

Plot samples unit 32104028 on landtype 36B. Area was tractor clearcut and tractor yarded in the 1970's. Appears seed tree.

MANY ROOTS DEPTH (cm):	1
COMMON ROOTS DEPTH (cm):	8 +/- 0.44
A HORIZON DEPTH (cm):	21 +/- 1.18
BARE GROUND %:	+/- 1.19
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL:	Low Disturbance
Bulk Density Ave Wt	+/-
Average Infiltration Rate	972 +/- 328
DISTURBANCE LEVEL:	Intermediate Disturbance
Bulk Density Ave Wt	334.87 +/- 24.94
Average Infiltration Rate	455 +/- 42
DISTURBANCE LEVEL:	High Disturbance
Bulk Density Ave Wt	+/-
Average Infiltration Rate	126 +/- 18

SITE_NAME: Frohner

		EXAMINE	KS:
PLOT_ID:	02SF027	Archer/Van	gemert
SLOPE:	32	UTM_N:	5144478
ASPECT:	187	UTM_E:	408292
			NAD 27

+/-

651 +/- 95

COMMENTS:

Landscape is moderate hillslope with many rock outcrops; seems like granite. Lodgepole pine forest here has many age classes including doghair thickets. Understory is beargrass and vaccinium, with lupine and pinegrass. Charcoal was found as deep as 5 cm from surface. Soils had some clayey dark surface layers, though were mostly light (10YR4/2) and sandy loam. 15°

MANY ROOTS DEPTH (cm):	0
COMMON ROOTS DEPTH (cm):	9 +/- 0.13
A HORIZON DEPTH (cm):	12 +/- 1.06
BARE GROUND %:	+/- 1.41
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL: Soils are cool! Bulk Density Ave Wt Average Infiltration Rate

SITE_NAME: Spruce Hills

_	•	EXAMINE	RS:	
PLOT_ID:	02SF028	Archer/Van	gemert	
SLOPE:	30	UTM_N:	5147320	
ASPECT:	287	UTM_E:	411677	
			NAD 2	7

COMMENTS:

The plot samples map unit 57, a silt loess/ash m.u. Transects and point sampling were done. Vegetation is very lush pinegrass with Spirea spp and snowberry with PINCON and PSEMEN overstory. The root mat was very thickin places, up to 5 cm. Some aspen also exist. Landscape is lateral undulation hillslope. Charcoal found in lower duff layer. This duff layer was roughly 2 cm in open grassy areas and deepened to greater than 10 cm in areas under the tree canopy. Textures were very sandy, roughly loamy sand. Not much

1
7 +/- 0.42
9 +/- 0.89
+/- 0.64
+/-

PROJECT		Clancy-Unionville	Date:	7/16/02
SITE_NA	ME:	Chessman Lake	EXAMINE	RS:
PLOT_ID:	028	SF029	Archer/Van	gemert
SLOPE:	15		UTM_N:	5146598
ASPECT:	15		UTM_E:	409855
				NAD Z/

COMMENTS:

This plot references C-103 project unit and 36 landtype map unit. This area abuts the intersetion of Chessman Reservoir Rd. and Corral Gulch Rd. Lodgepole and Douglas-fir are canopy species, while understory is mostly pinegrass and moss. Landscape is undulating hillslope, at the upper third.

MANY ROOTS DEPTH (cm):	0
COMMON ROOTS DEPTH (cm):	5 +/- 0.00
A HORIZON DEPTH (cm):	6 +/- 0.69
BARE GROUND %:	+/- 0.76
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL: Bulk Density Ave Wt Average Infiltration Rate Soils are cool! +/-1111 +/- 30

Crew: VAN Grandon T Art Up: A 22 Root Abundance Description: Propose Lagran Lart * TRANSECT POINT Depth Many Common 'A * 1 1 2 2 3 1 2 4 4 4 4 4 4 4 4 4 4	Date: 7//2	2	Rooting	Depth &	Abundar	nce/ Textu	ire, Structure, & Color/ Grou	ind Cove
Ar C W/C / R 2 C M Root Abundance Description: Version Cagnes cont # SAMPLE Dopth Many Common "A" 1 1 2 Sample Common "A" 1 Structure 33,cl 10 PC Sample Common "A" 1 Structure 1 F Structu	Crew: VAr	Jamas	.T	Site Nar	ne: <u>CN</u> e	signan (245. Plot ID: 07 5F	- 029
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SITE_NAME: Lava Peak Trailhead

		EXAMINE	KS:
PLOT_ID:	02SF030	Archer/Van	gemert
SLOPE:	8	UTM_N:	5146155
ASPECT:	6	UTM_E:	409683
			NAD 27

COMMENTS:

Site samples polygon with non-sensitive soil type. Area is residuum, at slope crown bordering an old harvest unit. The parent material weathers to sandy-fine sandy very thin soils. Litter accumulates 1 cm withmore decomposed duff of 1-3 cm. Old harvest unit has many exposed non-vegetated areas without duff, while proposed harvest unit has duff intact throughout. Vegetation is doghair lodgepole pine with sparse vaccinium and pinegrass.

MANY ROOTS DEPTH (cm):	0
COMMON ROOTS DEPTH (cm):	6 +/- 0.00
A HORIZON DEPTH (cm):	7 +/- 0.71
BARE GROUND %:	+/- 0.53
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL:	Soils are cool!
Bulk Density Ave Wt	+/-
Average Infiltration Rate	116 +/- 19

ч,

Site Name: LANA PR TRHEAD D	ate: 7/18/02_Plot ID: 0255030
GPS: Zone 12 T UTM: NAD-27	$\frac{409683}{\text{(easting)}} \xrightarrow{5146155}$
Slope: 5-10%	Aspect: 166°
Notes: SITE IS TREATENENT SEIL THE AREA IS FORDERINE OLD NARVE TO SANDLY - FINE SAN IS I COM M/ TORE DEC DID HARVEST MADIT HAS AREAS W/O DUNFF, WHILE INTACT THRONGHOMT, VELOSTATION IS DOG	- FALIGON of NON-SENCITIVE RESIDNM, E SLORE CROWN TO UNIT. GEOLOGT WEATHERS DY VERY THIN SPILS. LITTER COMPLEY THIN SPILS. LITTER COMPLEY DUFF 1-> 3 CM. C MARY EXPOSED NON-VEBETATED PROPOSED AREA HAS DUFF GRADEED AREA HAS DUFF
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7 PACE-SAMPLE SPACING

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Date: 7//	2	Rooting	Depth &	Abundar	ice/ Textu	ire, Structure, & Color/ Grour	nd Cover
	nGeme	rt	Site Nar	ne: Lav	a Tra	ilhead Plot ID: 02 SI	= 030
Archer	Ber	9	Root Ab	undance	Descripti	ion:	
TRANSECT	POINT	Depth	Many	Common	"A"		
#	SAMPLE	Measures	>100	10-100	Horizon	Taxtura the c	
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	5					dry:	
							GROUND
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Plot Co	de		يورون م			· .	
Test 1.	Site Moistu	геМ	licrotopogr	aphy			
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Initial Fill 0:00	Start Value 7:30	10 min Value 12:30	15 min Value 17:30	20 min Value 22:30	25 min Value 27:30	30 min Value 32:30	
Test 2.	<u>740</u> n Site Moistur	nl <u>400 </u>	l <u>360 m</u> licrotopogra	1] <u>360</u> m aphy	u <u>340</u> m	u <u>300 m</u> i	v
Residua	l Cover	% S	pecies 1	Sp	ecies 2		
Initial Fill Q1 0	Start Value ¶:30	10 min Value 17:30	15 min Value 1 7 :30	20 min Value 2 7 :30	25 min Value 2 9 :30	30 min Value 37:30	
((3́2 0// п	nl <u>880</u> /m	1 <u>/ 240</u> m	1 <u>/390</u> m	1 <u>/340 m</u>	1 <u>/320</u> ml	
Test 3.	Site Moistur	re M	icrotopogra	aphy			
Residual	Cover	% S	pecies 1	Spe	cies 2		•
Initial Fill	Start Value 1 :30	10 min Value 1 0 :30	15 min Value 1 1 :30	20 min Value 2 9 :30	25 min Value 24 :30	30 min Value 3∲30	

OZSF030

Soil Moisture Scale by Touch:

:1 = Warm dry; 2 = Cool dry; 3 = Moist; 4 = Wet; 5 = Wet sponge

Microtopography Features:

Coppice Dune = c, Interspace = i (space between coppice dunes); Desert pavement = p (gravel up to 3"), Hummocks = h, or None = n (if no feature present)

Residue Cover:

Percent of ground covered by standing live and down organic material within small cylinder.

Species 1 and 2:

Plant Species Alpha Code: Species with 1st and 2nd highest % basal cover within small cylinder or note if litter.

SITE_NAME: Two for One

		EXAMINE	KS:
PLOT_ID:	02SF031	Archer/Van	gemert
SLOPE:	15	UTM_N:	5145662
ASPECT:	325	UTM_E:	410541
			NAD 27

Soils are cool! +/-

972 +/- 295

COMMENTS:

<u>ک</u>

p101 025F005 This site samples polygon 36B, a proposed management area, and serves as the undisturbed subplot for a plot in past harvest unit (3210402) and (32104029). Area has much downfall with uneven tree spacing and many age classes. Tree species are mostly lodgepole and Douglas-fir. Rich understory includes vaccinium and pinegrass. Area is lower portion of hillslope. Soils have a 3-8 cm duff layer above 1

17	
MANY ROOTS DEPTH (cm):	2
COMMON ROOTS DEPTH (cm):	14 +/- 0.46
A HORIZON DEPTH (cm):	17 +/- 1.00
BARE GROUND %:	+/- 1.01
DUFF DEPTH (cm):	+/-
	MANY ROOTS DEPTH (cm): COMMON ROOTS DEPTH (cm): A HORIZON DEPTH (cm): BARE GROUND %: DUFF DEPTH (cm):

DISTURBANCE LEVEL: Bulk Density Ave Wt Average Infiltration Rate

Site Nan	ne: Z Farl	Date: 7/18/02_Plot ID: 022051
GPS:	Zone 12 T NAD-27	UTM: <u>41054</u> , <u>5145662</u> (easting) (northing)
Slope:	15%	Aspect: 145° UPHILL

Notes:

THIS SITE SATIFLES POLYGON 365, A PROPOSED MANAGET AT AREA, AND SERVES AS THE UNDERSTURIED SUBALOT FOR & PLOT IN PAST HARVEST MNIT 32104028 \$ 32104029

AREA HAS MUCH DOWNFALL W/ UNEXEN TREE SPACING & MANY DOE CLASSES. TREE SPECIFY MOSTLY LODGEFFILE & ASEMEN. RICH HEREAGEOUS WHERSTORY IS VACCINIUM & PINEGRA

LANDSCHPE & LOWER V3 OF HILLSLOPE. Soils HAVE A DUFF LAYER LEONE ICH OF (NSARCOAL.

AGAIN, MUCH DOWNFALL EXISTS

Site: 025F0	51														D	ate:	1	F/1	8/	00	<u> </u>						-							_
Observer: 1/4																gal	Loc	atio	n:															
Topo Map #/Nam	e:															M IK	ap	Unit		36	24							_						. <u> </u>
Treatment:							Ő.	-	1014	a la	1014	2		214	0	ope 7119		1010	11. 21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Sample Point #1	1 2	3	4	5	6	-4	8	9	1011		12	-		5				20	-			-		-1			-		-	1			1	
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UNDER DISK																		26 Å									86 I.S.			33 (Bib) -		AL 8598		
Moss/Lichen				1	0		1	1	1.	1	1		- I.	1	1.								1											

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. .e.:

Date: 7/	18/02	Rooting	Depth &	Abundar	ice/ Textu	ure, Structure, & Color/ Gro	und Cover
Crew: ∉	Vancher	neri	Site Nar	ne: <u>[u/</u>]	for Un	IPlot ID: 02 SF	031
BANSECT		Depth	Many	Common	"A"	1	
#	SAMPLE	Measures	>100	10-100	Horizon		
	1					Texture	10 POINT
			10000			Sacas Laram	GROUND
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	3			S 5231 (V 6459)			
3							
			8	19	8	Color wet	
	4					TOYR 20	
					×19		
	5	· [dry:	CROUND
		L					

Recorders Record INFIL_TEST: Infiltration Date 7/18/02 Plot Name Z Far 1 Plot Code Test 1. Site Moisture _____ Microtopography __ ____% Species I ___ Residual Cover _____ Species 2_ 20 min 25 min 30 min Initial 10 min Start 15 min Fill Value Value Value Value Value Value 22:30 27:30 32:30 12:30 17:30 0:00 7:30 16 000 ml BOODml) SOO ml BOO ml mł MIL. Test 2. Site Moisture _Microtopography _____% Species 1 _____ Species 2 ___ Residual Cover ____ 15[°]min 20 min 25 min Initial Start 10 min 30 min Value Value Value Value Value Value Fill 7:30 17:30 17:30 22:30 27:30 32:30 **D:3**0 <u>120 ml ____ml</u> 1500 ml 1000 ml 920ml Test 3. Site Moisture _ _ Microtopography _ Residual Cover ____ ____% Species 1 _____ Species 2 ___ 15 min 20 min 25 min 30 min Initial Start 10 min Fill Value Value Value Value Value Value 7:30 12:30 17:30 22:30 27:30 32:30 _ml _____ml _____ml _____ml _____ml _____ml

OZSFU31

Soil Moisture Scale by Touch:

, 1 = Warm dry; 2 = Cool dry; 3 = Moist; 4 = Wet; 5 = Wet sponge

Microtopography Features:

Coppice Dune = c, Interspace = i (space between coppice dunes); Desert pavement = p (gravel up to 3"), Hummocks = h, or None = n (if no feature present)

Residue Cover:

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Percent of ground covered by standing live and down organic material within small cylinder.

Species 1 and 2:

Plant Species Alpha Code: Species with 1st and 2nd highest % basal cover within small cylinder or note if litter.

SITE_NAME: Orofino Pass

_		EXAMINE	RS:
PLOT_ID:	02SF032	Archer/Van	gemert
SLOPE:	10	UTM_N:	5151803
ASPECT:	250	UTM_E:	414511
			NAD 27

COMMENTS:

This plot samples landtype unit 260 off a ridge. Area is closed canopy of lodgepole pine and Douglas-fir. Understory is kinnick-kinnick, arnica, vaccinium and pinegrass. Site is at footslope, concave and a upland depression leading to a gulch. Currently, land is grazed. Roads predominate also. Platey structure occurs in some flatter depressions with higher cattle use. The area has moderate amount of downed wood from aspen and lodgepole.

MANY ROOTS DEPTH (cm):	1
COMMON ROOTS DEPTH (cm):	11 +/- 0.24
A HORIZON DEPTH (cm):	14 +/- 1.20
BARE GROUND %:	+/- 0.96
DUFF DEPTH (cm):	+/-
-	

DISTURBANCE LEVEL:	Soils are cool!
Bulk Density Ave Wt	+/-
Average Infiltration Rate	1302 +/- 21

.

Site Name: CROFILD PASS	Date: <u>7/22/02</u> Pl	ot ID: 025F032
GPS: Zone 12 T	UTM: 414-511	5151803
NAD-27	(easting)	(northing)
Slope: 10 %	Aspect: 70°	,
Notes:	CANE SCAPE	DIVIDE
PLOT SAMPLES	14. the 260 of	F RIDGE.
Doughts-Fire. (Unherstoky is	LINANIGE-KINNICK,
previer & VARC	CINIMIN W/ PINSER	ASS.
LANDFOR.	IS FOOTSLOPE	, CONSCANE &
A UPLAND DE	TRESSION LETE	
CURRENTLY,	LAND IS GRAZ	ED. KOADS
PREDENKS IN &	C-C-V-ICATT	STRACTURE DE
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FINALY, A	wood from	- Aspen &
LODGETOLE		

414511, 5151803

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Observer: 1/A													Leç	gal I	_OCi	atio	n:															
Topo Map #/Name:				_									Soi	il Ma	ap l	Jnit		Z	6	0												
Treatment:				_		_	. :						Sło	ре	Gra	dier	nt:									_						
Sample Point #: 1 2	3 4	1 5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
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HIGHLY USERS LOWLAND BY CATLE - ASPON

				<i></i>			
Date:	7/22/07-	Booting	Denth &	Abundar	nce/ Text	ure Structure & Color/ Grou	
Crew:	VALGORT	Liboung	ISite Nar	ne: ARA	E a n		
	AND CJERTOWN		Root At	oundance	Descript	tion:	042
TRANS	ECT POINT	Depth	Many	Common	"A"	7	
#	SAMPLE	Measures	>100	10-100	Horizon		
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#### **INFIL_TEST:** Infiltration Date 7 - 22 - 02 Recorders Plot Name OGSF030 Plot Code Test I. Site Moisture _____ Microtopography __ ____% Species 1 _____ Species 2 Residual Cover_ 30 min Initial Start 10 min 15 min 20 min 25 min Value Value Value Value Value Fill Value 0:00 7:30 12:30 17:30 22:30 27:30 32:30 0,700ml 669.0ml 6000 ml 6240ml 6460ml 6520ml t.700 111+690 114240 $M \rightarrow$ 111+460 Test 2. Site Moisture Microtopography Residual Cover ____ ____% Species 1 ___ _____ Species 2_ Start 10 min 15 min 20 min 25 min 30 min Initial Value Value Value Fill Value Value Value 27:30 37:30 19:30 22:30 280 17:30 9:30 0.000ml 6400ml 600 ml _ _ml _____ml _____ml Test 3. Site Moisture III 11/2 Mic 111 12 15 _ Microtopography _ Residual Cover _____ ____% Species 1 ____ Species 2 199 Initial 10 min 15 min 20 min 25 min 30 min Start Value Value Value Value Value Value Fill. **9**:00 71:30 10:30 22:30 21:30 30:30 / 1:30 տվ _____տվ ____տվ ____տվ ____տվ

Soil Moisture Scale by Touch:

/l = Warm dry; 2 = Cool dry; 3 = Moist; 4 = Wet; 5 = Wet sponge

Microtopography Features:

Coppice Dune = c, Interspace = i (space between coppice dunes); Desert pavement = p (gravel up to 3"), Hummocks = h, or None = n (if no feature present)

Residue Cover:

Percent of ground covered by standing live and down organic material within small cylinder.

Species 1 and 2:

Plant Species Alpha Code: Species with 1st and 2nd highest % basal cover within small cylinder or note if litter.

Date: 7/22/02

SITE_NAME: Orofino Pass Grassland

		EXAMINE	RS:
PLOT_ID:	02SF033	Archer/Van	gemert
SLOPE:	15	UTM_N:	5151232
ASPECT:	180	UTM_E:	414320
			NAD 27

#### COMMENTS:

Plot samples open grassland area, landtype 36A. Vegetation is highly productive FESSCA, FESIDA grassland with buck wheat, yarrow, sedge, some lupine and patches of cheatgrass. Range condition is estimated as moderate ecostatus on the higher side given the productive fescues. The plot is on a hillslope. Infiltration was taken on a convex shoulder slope. Areea is south facing part of Orofino Pass ridge. Some vehicle disturbance is evident, though not as much as on the ridgetop. Cattle use seems low.

MANY ROOTS DEPTH (cm):	4
COMMON ROOTS DEPTH (cm):	11 +/- 0.22
A HORIZON DEPTH (cm):	12 +/- 0.88
BARE GROUND %:	11 +/- 0.76
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL:	Soils are cool!
Bulk Density Ave Wt	+/-
Average Infiltration Rate	192 +/- 11

Site Nan	ne:	Date: 7/22/02 Plot ID: 025F033						
GPS:	Zone 12 T NAD-27	UTM: <u>414320</u> (easting)	<u>, 6151232</u> (northing)					
Slope:	15-720%	Aspect: O	Ø					

Notes:

PLOT SEMPLES OPEN GRESSERNIS AREA, LANDSLAPE UNIT 364. VERETATION IS HIGHLY PRODUCTIVE FESSCH, FESIDA GRESSERDS / EUCKNEERT, YARRON, SEDDE & SOME LUPINE STANDS & CHEATGRESS. RECE, CONSITION IS ESTIMATED AS MODERATE ECOSTATUS ON THE HIGHER SIDE GIVEN THE PRODUCTIVE FESSCHES, BUT W/ CHEATBREACS & LUPINE EXPANSE.

HANDSCAPE IS MILLSLOPE of INFILTRATION ON CONVEX SHOULDER SLOPE. AREA IS CONTR FACTURE PART OF ORDEIND PASS RILLE.

Some VEHILLE DISTURSANCE EVIDIENT, THOUGH NOT AS MUCH AS ON FIDGETOA. CATTLE USE SEEMS LOW.

INFIL <u></u> Plot Ňa	TEST: Infilt	ration	Date 7-	00-0	) Rec	corders P	Q		
Plot Code									
Test 1. Site Moisture Microtopography									
Residual Cover% Species I Species 2									
Initial Fill 0:00	Start Value 7:30	10 min Valu <del>c</del> 12:30	15 min Value 17:30	20 min Value 22:30	25 min Value 27:30	30 min Value 32:30			
lest the	<u> </u>	ln	ılп	alm	վա	lml			
Test 2.	Site Moistur	e M	licrotopogra	aphy					
Residuz	al Cover	% \$	Species 1	Spe	ecies 2				
Initial Fill <b>960</b>	Start Value 9:30	10 min Value 1 <b>4</b> 30	15 min Value 19:30	20 min Value 2 <b>7</b> :30	25 min Value 2 <b>7</b> :30	30 min Value 3 <b>2</b> :30			
	1240 m	<u>140 m</u>	1 <u>400 m</u>	1 <u>780 m</u>	1 <u>640</u> m	1 <u>940</u> ml			
Test 3.	Site Moistur	e M	icrotopogra	aphy					
Residua	l Cover	% S	pecies 1	Spe	xies 2		•		
Initial Fill §:00	Start Value / 2:30	10 min Value 1 <b>7:</b> 30	15 min Value 17:30	20 min Value 27:30	25 min Value <b>32:</b> 30	30 min Value 3 <b>2</b> :30			
•	1600 m	/0 70m	l /_>∕⊘m	1 //~Um	1 / 0 / m	1/190 ml			

3-29

Soil Moisture Scale by Touch:

1 = Warm dry; 2 = Cool dry; 3 = Moist; 4 = Wet; 5 = Wet sponge

Microtopography Features:

Coppice Dune = c, Interspace = i (space between coppice dunes); Desert pavement = p (gravel up to 3"), Hummocks = h, or None = n (if no feature present)

Residue Cover:

Percent of ground covered by standing live and down organic material within small cylinder.

Species 1 and 2:

Plant Species Alpha Code: Species with 1st and 2nd highest % basal cover within small cylinder or note if litter.

Date -	7/27	Rooting	Denth &	Ahundar	nce/ Textu	re Structure & Color/ Grou	nd Cov
Crew: 1-	0.00	Linooung	Site Nar	ne' Allene	CALL		<u></u>
VAr.VAr.	Gimen	٩.	Boot Ab	undance	Descript		
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414 1	4	<u> </u>	ļ <del>21</del>	<u>[] 17</u> 		wet:	1.7
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EYAMINERS.

SITE_NAME: Orofino Pass II

			<b>ΔΟ</b> .
PLOT_ID:	02SF034	Archer/Van	gemert
SLOPE:	8	UTM_N:	5151072
ASPECT:	128	UTM_E:	415540
			NAD 27

### COMMENTS:

Plot samples landtype 36 map unit. Area is lodgepole with Douglas-fir. Understory is mostly vaccinium, arnica and pinegrass. Much downed wood is present. Area is undulating wide ridgetop breaking to concave gully. Some rock outcrops exist. Disturbance from fire is evident through charcoal at bottom of the duff. Stumps indicate past harvest. Also, open flatter areas have platey structure.

MANY ROOTS DEPTH (cm):	1
COMMON ROOTS DEPTH (cm):	12 +/- 0.41
A HORIZON DEPTH (cm):	17 +/- 0.72
BARE GROUND %:	+/- 0.98
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL: Bulk Density Ave Wt Average Infiltration Rate Soils are cool! +/-603 +/- 19

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Site Name:		Pl	ot ID: 025F054	
GPS:	Zone 12 T NAD-27	UTM: <u>415540</u> (easting)	, <u>5151072</u> (northing)	
Slope:	5%-710	To Aspect:	308°	
Notes: PLO IS PIN MOS CALK U RID Som THIRO Som FLAT	T SAMPA UCON / TUT VARCE PUE Muc NON VARCE Muc NON SCAPE BOZEN DISTURBANC MGH CHARE STUMP TER ARIENS	ES LANDTYP ASEMEN. DIMINES HAVE PLATER HAVE PLATER	AST LOGGING. ORE	<b></b>

Site: 025F024-	Date: 7	HERIOZ	· · · · · · · · · · · · · · · · · · ·								
Observer:	Legal Loc	Legal Location:									
Topo Map #/Name:	Soil Map	Soil Map Unit: 36									
Treatment:	Slope Gr	iradient:									
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Mass											
Movement											
Ground Cover											
Moody at 1											
WOODY <1											
Woody 2-6"											
	NAME STREAM AND ADDRESS OF ADDRES										
Woody 12-24*											
Moss/Lichen											

斜开

N/N/

#### INFIL_TEST: Infiltration Plot Name 0055034 Date 7-00-02 Recorders Plot Code Test 1. Site Moisture _____ Microtopography_ Residual Cover _____% Species 1 _____ Species 2_ Initial 10 min 15 min 25 min Start 20 min 30 min Fill Value Value Value Value Value Value 0:00 7:30 12:30 17:30 22:30 27:30 32:30 <u>4620 ml 2800 ml 2720 ml 2890 ml 2860 ml 3040 ml</u> 7620 1 Test 2. Site Moisture _ Microtopography _ Residual Cover ____ ____% Species 1 _____ Species 2 _ 20 min . Initial 10 min 15 min 30 min -Start 25 min Value 17:30 Fill Value Value Value 27:30 Value Value 3**7**:30 9:30 19:30 29:30 <u>60%</u> ml <u>2940</u> ml <u>3040</u> ml <u>2940</u> ml <u>2960</u> ml <u>3040</u> ml Test 3. Site Moisture _____ Microtopography __ Residual Cover ____ ____% Species 1 _____ Species 2 __ Initial 20 min Start 10 min 15 min . 25 min 30 min Fill Value Value Value Value Value Value **...** 7:30 12:30 17:30 22:30 27:30 32:30 _mi _____mi _____mi _____mi _____mi

Soil Moisture Scale by Touch:

1 = Warm dry; 2 = Cool dry; 3 = Moist; 4 = Wet; 5 = Wet sponge

Microtopography Features:

Coppice Dune = c, Interspace = i (space between coppice dunes); Desert pavement = p (gravel up to 3"), Hummocks = h, or None = n (if no feature present)

Residue Cover:

Percent of ground covered by standing live and down organic material within small cylinder.

Species 1 and 2:

Plant Species Alpha Code: Species with 1st and 2nd highest % basal cover

3-29

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		·					
	а. ^с		·.	. '			
Date: 7	122/02	Rooting	Depth &	Abundar	ICe/ Text	ure Structure & Color/	
Crew:	6 er	e T	Site Nar	ne: ORO	KOMO	UXY Plot ID: 62	around Cover
TRANCE		·	Root AL	oundance	Descript	tion:	2120.24
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						y.	GROUND
			0	17.7	17-2		COVER

# SITE_NAME: Orofino Pass III

		EXAMINE	RS:
PLOT_ID:	02SF035	Archer/Van	gemert
SLOPE:	25	UTM_N:	5150842
ASPECT:	300	UTM_E:	413838
			NAD 27

### COMMENTS:

Plot samples landtype 26. Area is mostly Douglas-fir with aspen in deptresssions. The main difference between this plot and the last is greater Douglas-fir cover here. The understory is mostly snowberry. The area is a hillslope grading to a footlslope. Infiltration and transects were done at this transition. Disturbance includes current cattle grazing and old mining disturbance. Large stumps are very decayed, maybe dating harvest back to the 20's and 1930's.

MANY ROOTS DEPTH (cm):	1
COMMON ROOTS DEPTH (cm):	15 +/- 0.34
A HORIZON DEPTH (cm):	16 +/- 0.46
BARE GROUND %:	+/- 0.86
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL:	Soils are cool!
Bulk Density Ave Wt	+/-
Average Infiltration Rate	245 +/- 17

Site Name:_	Da	ate: <u>7/22/02</u>	Plot ID: 025F635
GPS:	Zone 12 T UTM: NAD-27	413838 (easting)	_, <u>5150847</u> (northing)
Slope: 25	5%	Aspect:	1200
Notes:	or Skappers	the se	APE UNIT ZG.
LIZEL DEFIZE THIS PI COVERAGE	IS MOLTLY PS SSIDALS. MAIN OF AND LAST ( HERE. UNDERCO	SEMEN DIFFEREN OZSFOJ	4) IS PSE-TEN DONINGON MOSTLY SNONSERERY.
FOOTSL FOOTSL THIS T Are OLD	OPE. INFORMATIC RANCITICAS, REA HAS CURRENT MINING SISTING	KLSBOPE N & T U- CATZ SANCE	EGRADING TO EGRATING # FREUDREAT
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	NFIL Plot N	<b>_TEST: Infilu</b> ame OJSF	ation 035	Date 7-	23.0	) Rec	orders P	
	Plot Co	ode 🐡	······································		•	•		
	Test 1.	Site Moistur	e M	icrotopogra	phy	•	•	
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ŝ.	Test 2.	Site Moistur	e Mi	crotopogra	phy		•	
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	-	<u>2000</u> ml	<u>/400</u> mJ		1360m	1 <u>/ 460 m</u>	1/ <u>30</u> Gml	
	Test 3.	Site Moisture	: Mi	стоюрудга	phy			
	Residua	al Cov <b>e</b> r	% Sr	becies 1	Spe	cies 2		
4	Initial Fill GOO	Start Value 11:30 <u>3040</u> ml	10 min Value 12:30	15 min Value #1:30 21 /0~60_ml	20 mm. Value 22:30 26 //20 ml	25 min Value 27:30	30 min Value <b>32</b> :30 34 1 <u>//00</u> ml	

Soil Moisture Scale by Touch:

:1 = Warm dry; 2 = Cool dry; 3 = Moist; 4 = Wet; 5 = Wet sponge

Microtopography Features:

Coppice Dune = c, Interspace = i (space between coppice dunes); Desert pavement = p (gravel up to 3"), Hummocks = h, or None = n (if no feature present)

Residue Cover:

Percent of ground covered by standing live and down organic material within small cylinder.

Species 1 and 2:

Plant Species Alpha Code: Species with 1st and 2nd highest % basal cover within small cylinder or note if litter.

3-29

EVANINEDC.

# SITE_NAME: Lump Gulch

		CAMMINEI	XD.
PLOT_ID:	02SF036	Archer/Van	gemert
SLOPE:	25	UTM_N:	5142376
ASPECT:	248	UTM_E:	411554
			NAD 27

3

12 +/- 0.17

11 +/- 1.10

6 +/- 0.73 +/-

### COMMENTS:

Plot samples grassland in Lump gulch drainage. Vegetation composition represents moderate ecological status; veg includes abundant FESSCA and common FESIDA, though also contains high POTGRA, geranium, lupine, and CIRCAN. Trees adjacent to the area include PINPON, PINCON, POPTRE, and PSEMEN. Area is upper hillslope with ridgeline rock outcrop with thin soils. Lower on the slope, soils thicken and have deep dork color with depth down to 25 cm for A horizons. Roots penetrate below this top horizon. Grazing is evident through forb increases and dung. A large timber unit adjoins this grassland. Prairie dogs abound.

MANY ROOTS DEPTH (cm): COMMON ROOTS DEPTH (cm): A HORIZON DEPTH (cm): BARE GROUND %: DUFF DEPTH (cm):

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1944 (J. 1977) 1977 - J. 1977 - 1977 1977 - 1977 - 1977

Site Name:		Dat	te: 7/23/02	_Plot ID:	FØ36
GPS:	Zone 12 T	UTM:	411554	514237	4
	NAD-27		(easting)	(northin	ıg)
Slope:	25%		Aspect:	68°	
<u>Notes:</u> Pion	- Solar p	IFS GR	recan	in Li	~p
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Date: 7/	23/02	Rooting	Depth &	Abundan	ce/ Textu	re, Structure, & Color/ Groun	d Cover
Crew: 1/A	N Gemee	Т	Site Nar	ne:		Plot ID: 025F0	36
Ďő	malello	L,	Root At	oundance	Descripti	on:	
TRANSECT	POINT	Depth	Many	Common	"A"		
#	SAMPLE	Measures	>100	10-100	Horizon	Taathura	
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# SITE_NAME: Lump Gulch II

		EARIVIINE	<u>xo.</u>	
PLOT_ID:	02SF037	Archer/Van	gemert	
SLOPE:	21	UTM_N:	5143013	
ASPECT:	328	UTM_E:	411196	
			NAD 2	27

### COMMENTS:

Plot samples landscape unit 76 on a north facing slope and shoulder. Area is mainly PINCON with some PSEMEN. Ridgetop has PINPON.

Understory is dominantly JUNCOM. Area is ridgetop has First ON. slope, with common large rock outcrops. Soils are very shallow like my personality, and have loamy sand texture. Moderate amounts of downed wood are throughout.

MANY ROOTS DEPTH (cm):	0
COMMON ROOTS DEPTH (cm):	8 +/- 0.00
A HORIZON DEPTH (cm):	9 +/- 0.71
BARE GROUND %:	+/- 0.57
DUFF DEPTH (cm):	+/-

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Site Name:_	· · · · · · · · · · · · · · · · · · ·	Date: 7/23/02_Plot ID: 0297037
GPS:	Zone 12 T NAD-27	UTM: <u>411 196</u> , <u>514 3013</u> (easting) (northing)
Slope:	21%	Aspect: 148"
Notes: PLOT PLOT NOT IS NOT IS NOT SLOPE POCK LOA Dom	CAMPLES ETHER FA ANLY PAN NON, UNA DECAPE . SOILS . COULS . COULS . SANAS MES MOC	HELANDSCHPE UNIT 76 CING-SLOPE & SHOMEDER. AREA SCON W/ SOME PSEMEN. RIDGETOP STESTORY IS DOMINANTLY JUNCON (JUNITIER) IS RIDGETOP & SHOULDER LRE VERY SHALLOW. LARGE ARE (OMMON. SOILS MEE HENTIMES & VERY WELL DEAINED. 15 LES MODERATED THROWATONT
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Site: COZFOIT.		Date: 7/2 5/07		
Dbserver: 1/A		Legal Location:	· · · · · · · · · · · · · · · · · · ·	<u> </u>
opo Map #/Name:		Soil Map Unit: 74		
reatment:		Slope Gradient:		
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loss/Lichen			XEX	

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Date: 1	23 02	Rooting	Depth &	Abundan	ce/ Textu	ire, Structure, & Color/ Groun	d Cover
Crew: Vr	NG CONVET		Site Nan	ne:	oster	Plot ID: 02 SFO	37
DONNE	llor)		Root Ab	undance	Descripti	ion:	
TRANSEC	T POINT	Depth	Many	Common	"A"		
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	5				-		GROUND
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# SITE_NAME: Lump Gulch III

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PLOT_ID:	02SF038	Archer/Van	gemert
SLOPE:	35	UTM_N:	5143103
ASPECT:	20	UTM_E:	410897
			NAD 27

### COMMENTS:

Plot samples landtype 360. Area is north facing lodgepole forest with some sub-alpine fir. Area is footslope to lower hillslope. Plot is roughly 50 meters from the riparian plain. The understory is very mossy with vaccinium and patchy dense regeneration of Douglas-fir. Much rock and downed wood predominates. Soils have charcoal at base of thick duff layer.

MANY ROOTS DEPTH (cm):	1
COMMON ROOTS DEPTH (cm):	12 +/- 0.25
A HORIZON DEPTH (cm):	15 +/- 1.30
BARE GROUND %:	+/- 1.22
DUFF DEPTH (cm):	+/-

Site Name:		Dat	te: <u>7/23/02</u>	Plot ID: 025F0I8
GPS:	Zone 12 T NAD-27	UTM:	(easting)	, <u>514-3107</u> (northing)
Slope:	35%		Aspect: 20	20
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Date: 7/24/02

**NAD 27** 

SITE_NAME: South Fork Quartz Creek

_	^	EXAMINERS:
PLOT_ID:	02SF039	Archer/Vangemert
SLOPE:	30	UTM_N: 5169307
ASPECT:	134	UTM_E: 407904

#### COMMENTS:

Plot samples landtype 12D. Area is closely spaced lodgepole on footslope, adjacent to drainage. Some small Englemann spruce and Douglas-fir are in drainage bottom. Understory is JUNCOM and vaccinium mostly, though some beargrass and pinegrass are present. Site has low amount od downed wood. The insects here are bloodthirsty. Many rocks predominate. Soils are coarse, with loamy fine texture. Duff is roughly 2 cm with charcoal on the bottom. The stand diameter of about 10 inches and charcoal suggest fire in the past

MANY ROOTS DEPTH (cm):	2
COMMON ROOTS DEPTH (cm):	15 +/- 0.41
A HORIZON DEPTH (cm):	16 +/- 1.02
BARE GROUND %:	+/- 1.07
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL:	Soils are cool!
Bulk Density Ave Wt	+/-
Average Infiltration Rate	207 +/- 18

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 $\frac{2\lambda}{L}$  .

Site Name:		Dat	te: <u>7/24-/02</u>	_Plot ID:	ØZ 5FØ3	9
GPS:	Zone 12 T NAD-27	UTM:	(easting)	_, <u>5/3</u> (no	9307 rthing)	
Slope:	30%		Aspect:	34°	2	
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Site: ØZSF	Ø.	59															Da	le:	7	17	Z.A	-/2	22	-								• •				
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Date: 7/2	<u>4/02</u>	Rooting	Depth &	Abunda	nce/ Text	ure, Structure, & Color/ Grou	nd Cove
Crew: V	An George		Site Na	ne: Kurki	H Fork	quart TPlot ID: 025F	039
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Soil Moisture Scale by Touch:

:1 = Warm dry; 2 = Cool dry; 3 = Moist; 4 = Wet; 5 = Wet sponge

Microtopography Features:

Coppice Dune = c, Interspace = i (space between coppice dunes); Desert pavement = p (gravel up to  $3^{"}$ ), Hummocks = h, or None = n (if no feature present)

Residue Cover:

Percent of ground covered by standing live and down organic material within small cylinder.

Species 1 and 2:

Plant Species Alpha Code: Species with 1st and 2nd highest % basal cover within small cylinder or note if litter.

SITE_NAME: South Fork Quartz Creek II

PLOT_ID:	02SF040
SLOPE:	37
ASPECT:	184

EXAMINERS: Archer/Vangemert UTM_N: 5139247 UTM_E: 407800 NAD 27

#### COMMENTS:

Plot samples landtype 360. Area is grassland with high cover of FESIDA and Agropyron spp. Some aspen are also present. Lupine and buckwheat are also very common. Heuchera spp, galium and some ROSWOO are few. The area has large rock outcrops which dot the wide footslope of this ridge. Parent material is colluvium with granite bedrock. Area is convex and has many bare soil patches on steeper slopes. Vegetation has pedestals from sheet erosion. Also, many bare soil patches exist. No photo was taken here.

MANY ROOTS DEPTH (cm):	2
COMMON ROOTS DEPTH (cm):	12 +/- 0.29
A HORIZON DEPTH (cm):	12 +/- 0.61
BARE GROUND %:	20 +/- 0.63
DUFF DEPTH (cm):	+/-

DISTURBANCE LEVEL:	Soils are cool!
Bulk Density Ave Wt	+/-
Average Infiltration Rate	317 +/- 16

Date: 7/24/01 Plot ID: 025F640 Site Name: UTM: 407600 5159247 GPS: Zone 12 T (northing) NAD-27 (easting) 4° UPHILL Slope: Aspect: 37% Notes: PLOT SAMPLES CLUDSCAPE UNIT 360. And is GRACEIMED of A FESIDA & ABRANYEON Some Acten are all present. Lupser & ERIOGODUM (BUCKWHEAT) ARE VERY COMMEN. PUMERICAL SCIENCE CONTERPORTS SURFACE ON PUMERICAL SCIENCE AND HAC SUPPORT AREA IS CONVEX AND HAC UKREE ROCK ONTEROPS SURFLEE ON is whethere Hencherk, Ghunna Serve woon Rose ARE F. Error VEGEGETATION HAS "DEDISOLING" NOICHTING SIFET EROSON. LESS, STREE SOIL PATCHES MOICHTE BROSON. WHOLE LANDUNIT IS S-> SW FACILY No PHOTO TRUEN.

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Soil Moisture Scale by Touch:

i = Warm dry; 2 = Cool dry; 3 = Moist; 4 = Wet; 5 = Wet sponge

Microtopography Features:

Coppice Dune = c, Interspace = i (space between coppice dunes); Desert pavement = p (gravel up to  $3^{"}$ ), Hummocks = h, or None = n (if no feature present)

Residue Cover:

Percent of ground covered by standing live and down organic material within small cylinder.

Species 1 and 2:

Plant Species Alpha Code: Species with 1st and 2nd highest % basal cover

3-29

Date: 71	24/02.	Rooting	Depth &	Abundar	nce/ Textu	ure, Structure, & Color/ Grou	nd Cover
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**PROJECT:** Clancy-Unionville Date: 7/24/02 South Fork Quartz Creek III SITE NAME: **EXAMINERS:** 02SF041 Archer/Vangemert PLOT_ID: UTM_N: SLOPE: 30 5139930 UTM_E: ASPECT: 206 407542 **NAD 27** 

#### COMMENTS:

Plot samples landtype 76A. Area is footslope of steep rocky outcrop, about 45% slope. Lower prtion grades to about 20%. Vegetation has common POTFRU on bottom slopes, grading to ARTTRI on steeper slopes. Grasses include FESIDA, KOEMAC, AGRCAN, STIPA, and BROCIL. Ecologic condition seems medium with higher annual cover and shrub cover. Parent material is mostly colluvium at plot location. Soils are very sandy. Lava Mtn. Trail is nearby.

MANY ROOTS DEPTH (cm):	4
COMMON ROOTS DEPTH (cm):	16 +/- 0.50
A HORIZON DEPTH (cm):	17 +/- 0.77
BARE GROUND %:	8 +/- 0.48
DUFF DEPTH (cm):	+/-

Site Name:		Dat	e: <u>7/24/00</u>	Plot ID:	25F041	
GPS:	Zone 12 T NAD-27	UTM: <u>4</u>	<u>0754</u> 2 (easting)	<u>, 513 99</u> (nort	3 <u>0</u> hing)	• •
Slope:	20-45%		Aspect:	260		
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SITE_NAME: Frohner II

		EXAMINEI	XS:
PLOT_ID:	02SF042	Archer/Van	gemert
SLOPE:	8	UTM_N:	5144255
ASPECT:	184	UTM_E:	408491
			NAD 27

#### COMMENTS:

Plot samples landtype 12C. Area is wide spaced lodgepole with understoryu beargrass and vaccinium. Downed wood is moderate to low abundance. This unit adjoins a thinned unit on the lower boundary with regeneration at roughly 30 years. ;Plot is on lower hillslope towards footslope break of Frohner basin. Soils have highly variable duff with a well developed humus layer. No charcoal was found in the duff. An ATV trail (244) bisects the unit.

MANY ROOTS DEPTH (cm):	0
COMMON ROOTS DEPTH (cm):	15 +/- 0.09
A HORIZON DEPTH (cm):	17 +/- 1.26
BARE GROUND %:	+/- 1.48
DUFF DEPTH (cm):	+/-

Site Name:	Date: 07/25/02 Plot ID: 025F042
GPS: Zone 12 T NAD-27	UTM: $\frac{408491}{(\text{easting})}$ $5144255$ (northing)
Slope: 5-10%	Aspect: 4°
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