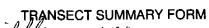
122-03-090 1992 Sale 08/18/1998 **KOOTENAI NATIONAL FOREST Rexford - Sutton Creek** SOIL DISTURBANCE MONITORING FORM Unit 12 12203090 CUTTING METHOD DATE SKIDDING METHOD BSERVER dedicated ISTRICT If tractor: dispersed бß HAZARD TREATMENT Riles along SALE/S.A. Å in -11 SILVICULTURAL TRMT Unit # Acres 35 < \mathcal{P} **OPERATION PERIOD** H.T. Southorn side ; SAF Clun or Sur Slope 5150 Location - 5400 utt **COMPACTION (Heavy)** ζ COMPACT/QN (Light) 80 UNDISTURBED <u>52</u> 10 DISPLACED Alle EXGAVATED SKID -6: mid-120 SMZ/POCK Burn COMMENTS w .8000 CW N 11/1 SHAPE OF UNIT AND PATTERN OF TRANSECT

Rd 7993C.2 OMPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit.

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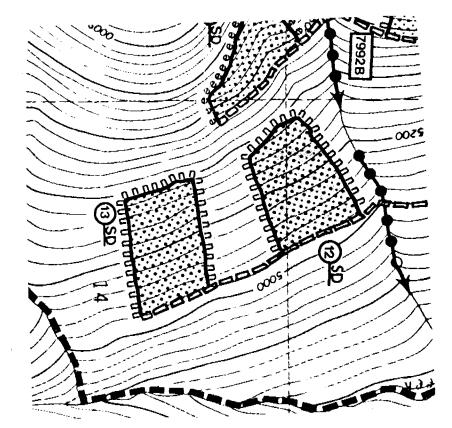
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	lou	per_	mi	<u>ldle</u>		per_						
	Transec	t 1	Transec		Transe		Transe		Transec		тот	
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	
D HEAVY i	33	9	32	10	16	5					81	8
s LIGHT t	172	48	182	55	180	59					534	54
u UNDISTURB r	152	43	114	35	107	35					373	38
b TOTALS	351	120	3.28	100	303	100					<u>988</u>	100
DISPLACED	17	5	9	3	9	3					35	3,5
EROSION	6	15	5	1,5	2	1		: 			13	/
PUDDLED	0	Ð	\mathcal{O}	0	0	ð					0	0
SMZ	∂	0	0	C)	O	\mathcal{O}_{\perp}					0	\overline{C}
ROCK	0	0	D	(0)	$\overline{\mathcal{O}}$	0				ļ. <u> </u>	C	0
BURN PILES	1	2	0	0	\bigcirc	0] 			7	<1



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122-03-091 08/18/1998 1992 Rexford - Sutton Creek P.C. **KOOTENAI NATIONAL FOREST** Unit 13 SOIL DISTURBANCE MONITORING FORM 12203091 X • 18 • 98 CUTTING METHOD DATE AL SKIDDING METHOD BSERVER uenne Ľ Kin dedicated STRICT If tractor: dispersed 1 -NUN downnilles along edge HAZARD TREATMENT BB SALE/S.A. M m SILVICULTURAL TRMT Unit # 13 Acres 192 OPERATION PERIOD H.T. SA ' ø. cummer Slope Location utton COMPACTION (Heavy) 24 13 COMPACTION (Light) 6 1_5 \mathcal{O} UNDISTURBED 144 102 15B DISPLACED upper: 5 idle EXCAVA lower 10 -EMZ/ROCK BURN lor uppe COMMENTS otan win lower 14 g/ wint, expecially. An Y--reflected in nolol NO ZAN 6 dune hom Cil <u>lek</u> SHAPE OF UNIT AND PATTERN OF TRANSECT CWI DMPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both

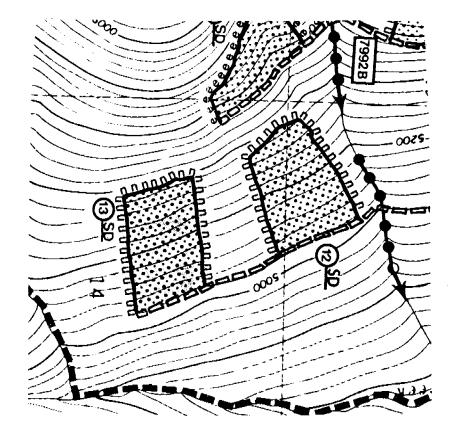
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DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit.

7/97

	Ven	in the	-	TRANS	1	JMMARY	FORM					
	Transec	t 1	Transec	xt 2	Transe	ot 3	Transe		Transec		тот	
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	<u>%</u>
D HEAVY i	24	9	15	5	3	1					42	5
s LIGHT t	111	40	165	59	130	45					406	48
u UNDISTURB r	144	51	102	36	158	54					404	47
b TOTALS	219	100	282	100	291	100			,		852	100
									ļ			
DISPLACED	31	11	8	3	5	2					44	5
EROSION	6	2	0	0	\mathcal{O}	Ø					6	۷/
PUDDLED	0	0	0	ن	0	C)					0	C
SMZ	C	Ø	Ċ	C	0	Ô					$\overline{\mathcal{O}}$	\mathcal{O}
ROCK	0.	\mathcal{O}	\mathcal{O}	C)	\bigcirc	$\hat{\mathcal{O}}$					0	ð
BURN PILES	7	2.5	4	1	1						12	1

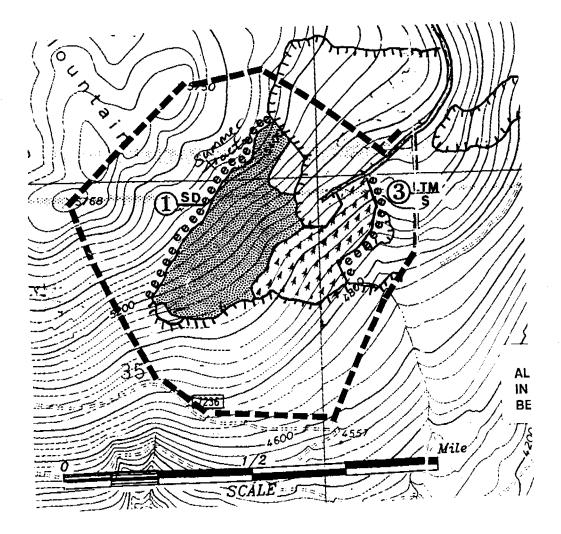
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09/29/1998 Devferde Hanner Coole Fire Ocheren	Mile Seli	:	101-04-084
Rexford - Upper Scalp Fire Salvage Unit 1		EODEST	*
10704084	SOIL DISTURBANCE MONI		
10704084	SOLE DISTORBANCE MONI		
TE 9/29/98	CUTTING METHOD	CLIPHER &	HAND SAW
RVER K. KINDEL	SKIDDING METHOD		
AICT D-1	Pusse If tractor:	dispersed >	dedicated
S.A. UPPER SCALDE	RC SALV HAZARD TREATME	NT	·····
unit # / Acres (a	SILVICULTURAL TF	EATMENT SPE	CIES DESIGNATION
H.T. SEE NOTES SAFI	Vacc OPERATION PERIC	DD WINTER	
	PECT Elevation 515	0-5450'	
OMPACTION (Heavy) M B B	• <u>(3)</u>		
	(24)		
	(2)		
	NEVERSE E SEE		-
	(489) / BARRAR		A R R R R R R R R R R R
NDISTURBED DE D			
	A B D B B B B B B B B B B B B B B B B B	S B B B % (205	
ISPLACED \$ (8) / X	B : (12)		
ISFLACED 8(8)/8			
XCAVATED SKID TRAIL			
MZ/ROCK × G / :: ($\overline{\mathcal{Y}}$ / : $\overline{\mathcal{Q}}$		
	4.0		,
OMMENTS EROSIDA : (2)			
SUR ALDINE FIR, PINE GRASS,			XIGH LOWIER PORTION
OF UNIT HAY BEEN RECO			RY ADEQUATE ;
SOIL VERY ROCKY ; MA		OR NO ASH ;	
LINIT ; PLENTY OF 3"+			EN BURNED ; THIS
5 AN OLDER WHIT AL	50; ALREADY REVEGING	;	······································
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OMPACTION (Heavy) - Any place	where future vegetative growth	will be significantly imp	anotod Lo okud troilo (both
			Jacled, i.e., skid trails (both
<u>wir AUTION (Light)</u> - Any other ar	n amount of compaction related	to soil moisture), land	ings, and other impacted areas
	ea not included in heavy COMF	to soil moisture), land ACTION or UNDISTU	ings, and other impacted areas
IDISTURBED - No signs of any m	ea not included in heavy COMF achinery or skidding acitvity.	ACTION or UNDISTU	ings, and other impacted areas IRBED.
NDISTURBED - No signs of any m SPLACED - Any place soil has be MZ - Include within transect if within	ea not included in heavy COMF achinery or skidding acitvity. en mounded by machinery, also	ACTION or UNDISTU	lings, and other impacted areas IRBED.

7/97

	10000	<i>م</i> پ	ka i t	TRANS		JMMARY ◦ p € r	FORM					
	Transec		Transec	t 2	Transe		Transe	ct 4	Transe			ALS
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	<u>%</u>
D HEAVY i	31	4.2%	24	3.5%	2	1, z %					57	4 %
s LIGHT t	489	65.7%	449	66.2%	96	56.5%					1034	65%
u UNDISTURB r	224	30.1%	205	30.2%	72	42.4%				· · ·	501	31 %
b TOTALS	744	/00	678	100	(70	100					1592	100
DISPLACED	8	1	6]	0	0					14	1
EROSION	2	4,5	\mathcal{O}	0	Ó	\bigcirc					2	2.5
PUDDLED	0	\mathcal{O}	T	Ũ	$\widehat{\mathcal{O}}$	Ō					0	Ø
SMZ	C	O	\mathcal{O}	\bigcirc	\mathcal{O}	$\widehat{C}^{)}$					0	0
ROCK	6	21	<u>्</u>	21	z	1					12	21
BURN PILES	D	で	\mathcal{O}	U	\mathcal{D}	Õ					0	0



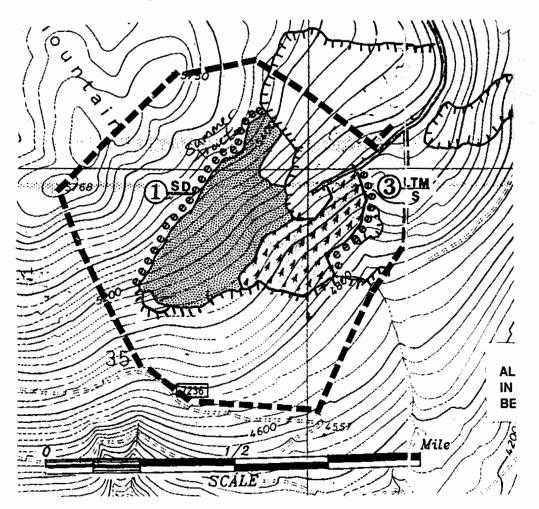
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Rexford - Upper Scalp Fire Salvage	107-04-005
	<u>~</u>
Unit 3 KOOTENAI NATIONAL FO	
10704085 SOIL DISTURBANCE MONITOR	
DATE 9/25/98 CUTTING METHOD	CLIPPER
BSERVER KINDEL SKIDDING METHOD	<u>SKYLINE TREE</u> dispersed dedicated
SALE/S.A. UPPER SCALP FIRE SALVING HAZARD TREATMENT	dispersed dedicated
Unit # 2 Acres 33 SILVICULTURAL TRMT	LEAVE TREE MARK
H.T. SEE NOTES SAF/VASC OPERATION PERIOD	WINTER LOG
Slope South EAST ASPECT ER 485.	
Location 7206 D OFE BUILDER / SULLIVAN CUT COMPACTION (Heavy) 2	
3	
2	
COMPACTION (Light)	
, 2:2	
UNDISTURBED	
36	
DISPLACED 115/5	
SMZ(ROCK 5 ON 3" TRANSECT	
	DWARE HUCLEBERRY, LUNNIKINNICK; PUES ARE ON LOWER (FILL SLUPE)
	PILES ARE ON LOWER (FILL SLUPE) EVIDENT CLIPPER COMPETION ; THIS
UNIT HAS ALDEADY BEEN BURNED AND IS WALL GR	OWN OVER ; FIRELINES HAVE BEEN
$ \qquad \qquad$	
REJABED SEEDED ; ~ 50% OF HIO BARS ARE FI	
GROWN OVER ENOUGH AS NOT TO BE A PROBLEM; L	ITTLE OR NO ASH LAYER; THICK
CONT LAYER ENOUGH AS NOT TO BE A PROBLEM; L ROOT LAYER ON TOP (1"); SOME TREE TIPPING PEON	ITTLE OR NO ASH LAYER; THICK
BODT LAYER ENOUGH AS NOT TO BE A PROBLEM; L RODT LAYER ON TOP (1"); SOME TREE TIPPING RESUL PLENTY OF 3" + WOODY DEBRIS; THERE IS A	TTTLE OR NO ASH LAYER; THICK THIS IN SAL DISTACEMENT (ISOLATED);
GROWN OVER ENOUGH AS NOT TO BE A PROBLEM; L RODT LAYER ON TOP (1"); SOME TREE TIPPING RESH PLENTY OF 3" + WOODY DEBRIS; THERE IS A L	TTTLE OR NO ASH LAYER; THICK THIS IN SOL DISTACEMENT (ISMATED); XET AREA BELOW THE REGEN UNIT
CONT OVER ENOUGH AS NOT TO BE A PROBLEM; L RODT LAYER ON TOP (1"); SOME TREE TIPPING RESH PLENTY OF 3" + WOODY DEBRIS; THERE IS A L	TTTLE OR NO ASH LAYER; THICK THIS IN SOL DISTACEMENT (ISOLATED); XET AREA BELOW THE REGEN UNIT
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SUPPORT OF UNIT AND PATTERN OF TRANSECT	LITTLE OR NO ASH LAYTER; THICK -THID IN SOL DISTACEMENT (ISOLATED); XET AREA BELOW THE REGEN UNIT ALREATY BEEN PLANTED.
GOUN OVER ENOUGH AS NOT TO BE A PROBLEM; L RODT LAYER ON TOP (1"); SOME TREE TIPPING PROSU PLENTY OF 3" + WOODY DEBRIS; THERE IS A THAT SHOWLD HAVE BEEN AN SMZ-; UNIT HAS	TITLE OR NO ASH LAYTER; THICK THIS IN SOL DISTACEMENT (ISOLATED); XET AREA BELOW THE REGEN UNIT ALREATY BEEN PLANTED.
SUPPORT OF UNIT AND PATTERN OF TRANSECT	TITLE OR NO ASH LAYER ; THICK THIS IN SOL DISTACEMENT (ISOLATED); XET AREA BELOW THE REGEN UNIT ALREADY BEEN PLANTED.
GROWN OVER ENOUGH AS NOT TO BE A PROBLEM; L ROUT LAYER ON TOP (1"); SOME TREE TIPPING RESIN PLENTY OF 3" + WOODY DEBRIS; THERE IS A THAT SHOWLD HAVE BEEN AN SMZ-, UNIT HAS STAPE OF UNIT AND PATTERN OF TRANSECT	TITLE OR NO ASH LAYTER; THICK THIS IN SOL DISTACEMENT (ISOLATED); XET AREA BELOW THE REGEN UNIT ALREATY BEEN PLANTED.
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<u>COMPACTION (Light)</u> - Any other area not included in heavy COMPACTION or UNDISTURBED. <u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity.

DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit.

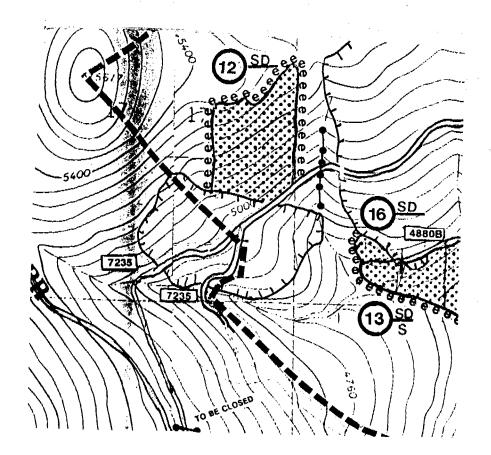
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		Pts.	%	Pts.	%	Pts.	%	Pts.	70	- FIS	70	FIS. ,	
D	HEAVY	2	1.3%	3	1.9%	2	0.9%					7	1 %
s t	LIGHT	129	85,4 %	120	75.5%	167	81.9%					416	81%
u r		20	13.2%	36	22.6%	_	17.2%					91	18%
b	TOTALS	151	100	159	100	2 54	100					514	100
							[
	DISPLACED	1	41	5	3	5	2					11	2
	EROSION	0	O	C	0	0	0					0	0
	PUDDLED	$\overline{0}$	0	\overline{O}	Ð	\mathcal{D}	Ø					ð	0
_	SMZ	Û	0	0	O	0	0					0	0
	ROCK	0	0	0	0	5	コ					5	1
	BURN PILES		0	\square	\bigcirc	0	0					0	Ò



09/30/1998		
Rexford - Doyle Gulch Re-Ad	KOOTENAI NATIONAL FOREST 1995 131-02-104	
Unit 12	KOOTENAI NATIONAL FOREST 1993	
13102104	SOIL DISTURBANCE MONITORING FORM	
· · · ·		
DATE 9130198	CUTTING METHOD CLUPER	
BSERVER K. KINDEL		
STRICT D-1	Wostgen If tractor: dispersed dedicated	
SALE/S.A. DOYLE - GulCH		
Unit # <u>12</u> Acres	37 SILVICULTURAL TREATMENT SPECIES DESIGNAT	
Slope <u>South East</u> COMPACTION (Heavy) жа а		
		···· ···
88:		
	ISBRARD BEBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	
JNDISTURBED KAR (29		
<u> </u>)	
B B :: (24)		
DISPLACED RE (9)/	BK (F) / BB · (21)	
XCAVATED SKID TRAIL		·.
SMZ/ROCK : (2) / ($(x, \overline{x}, \overline{y})$	
COMMENTS EROSION	(0) (:: (4) / : (2)	
- SING ALPINE FIR, ALDE HITS MAIN BOOD ON SOUT OR LATE FALL ; MAJOR FROMON SITES MAINLY IN	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK WAS BEING DONE & A I RUTTED AREAS; OLD UNIT; FUTLE AREA REVEL.	ETTE ;
HITS MAIN BOAD ON SOUT OR LATE FALL; MADOR ROSION SITES MAINLY IN 2 LANDING MAD SOME	THEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DAVE & A I RUTTED AREAS ; OLD UNIT; FUTURE AREA REVEG.	ETTE ;
HITS MAIN ROAD ON SOUT OR LATE FALL ; MADOR ROSION SITES MAINLY IN R LANDING MAD SOME	THEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; FUTURE AREA REVEG. TRAVES; FEW HZD BARS ONLY ABOUT HALF EFFE	ETTE ;
HITS MAIN ROAD ON SOUT OR LATE FALL ; MADOR ROSION SITES MAINLY IN R LANDING AND SOME	THEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; FUTURE AREA REVEG. TRAVES; FEW HZD BARS ONLY ABOUT HALF EFFE	ETTE ;
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HITS MAIN ROAD ON SOUT OR LATE FALL; MADOR ROSION SITES MAINLY IN R LANDING AND SOME RODUING; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
HITS MAIN BOAD ON SOUT OR LATE FALL; MADOR ROSION SITES MAINLY IN R LANDING AND SOME RODOLING; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
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HITS MAIN ROAD ON SOUT OR LATE FALL; MADOR ROSION SITES MAINLY IN R LANDING AND SOME RODUING; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
HITS MAIN ROAD ON SOUT OR LATE FALL; MADOR ROSION SITES MAINLY IN R LANDING AND SOME RODUING; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTER ;
HITS MAIN ROAD ON SOUT OR LATE FALL; MADOR ROSION SITES MAINLY IN R LANDING AND SOME RODUING; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTER ;
HITS MAIN ROAD ON SOUT OR LATE FALL; MADOR ROSION SITES MAINLY IN READDING AND SOME RODOLING; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTER ;
HITS MAIN ROAD ON SOUT RELATE FALL ; MADOR RODING SITES MAINLY IN RELANDING MAINLY IN RODUNG MAIN SOME COME RODUNG A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTER ;
HITS MAIN ROAD ON SOUT OR LATE FALL; MADOR ROSION SITES MAINLY IN R LANDING AND SOME RODUING; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTER ;
HITS MAIN ROAD ON SOUT RELATE FALL ; MADOR RODING SITES MAINLY IN RELANDING MAINLY IN RODUNG MAIN SOME COME RODUNG A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
HITS MAIN BOD ON SOUT RELATE FALL ; MADOR ROMONSTES MAINLY IN 2 LANDING MAD SOME 20ME RODUNG ; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
HITS MAIN BOD ON SOUT R LATE FALL ; MAJOR ROUND SITES MAINLY IN R LANDING MAINLY IN R LANDING MAIN SOME COME RUDDLING ; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
HITS MAIN BOD ON SOUT RELATE FALL ; MADOR ROMONSTES MAINLY IN 2 LANDING MAD SOME 20ME RODUNG ; A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
HITS MAIN BOD ON SOUT RELATE FALL ; MADOR ROMONSITES MAINLY IN RELANDING MAINLY IN RELANDING ADD SOME COME RODUNIT AND PATTERN	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
HITS MAIN BOD ON SOUT RELATE FALL ; MADOR ROMONSITES MAINLY IN RELANDING MAINLY IN RELANDING ADD SOME COME RODUNIT AND PATTERN	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
HITS MAIN ROAD ON SOUT RELATE FALL ; MADOR RODING SITES MAINLY IN RELANDING MAINLY IN RODUNG MAIN SOME COME RODUNG A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
HITS MAIN ROAD ON SOUT RELATE FALL ; MADOR RODING SITES MAINLY IN RELANDING MAINLY IN RODUNG MAIN SOME COME RODUNG A BI	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	ETTE ;
MITS MAIN BAD ON SOUT R LATE FALL ; MADDR Resident SITES MAINLY IN R LANDING AND SOME COME RODUNG A BI HAPE OF UNIT AND PATTERN	HEAST CORNER OF UNIT; LOTS OF RUTS - FARLY S MOISTURE IN UNIT WHEN WORK UPS BEING DONE & A I RUTTED AREAS; OLD UNIT; ENTIRE AREA REVEL. TRAILS; FEW M2D IBARS ONLY ABOUT HALF FFFE IT LIGHT ON 3" + WOODY DEBRIS;	

<u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity. <u>DISPLACED</u> - Any place soil has been mounded by machinery, also include in heavy or light compaction. <u>SMZ</u> - Include within transect if within harvest unit.

	low	en.	mi			UMMARY Lee	FORM					
	Transec		Transed	ct 2	Transe		Transe	ct 4	Transe	ct 5	TOT	TALS
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	0
D HEAVY i	39	12.3%	27	5.6%	25	5.1%					91	7.1%
s LIGHT t	249	78.5%	430	89.3%	443	90 %					1122	87.1%
u UNDISTURB r	29	9.1%	22	4.6%	24	4.9%					75	5.8%
b TOTALS	317		479		492						1283	
DISPLACED	19	6)9	3	21	ч					59	4,5
EROSION	10	3	4	21	Z	41					16	,
PUDDLED	19	6	16	3	12	2					47	4
SMZ	6	Ø	0	0	0	0					0	0
ROCK	2	41	o	0	7	1					9	21
BURN PILES	0	0	0	0	0	õ					0	0

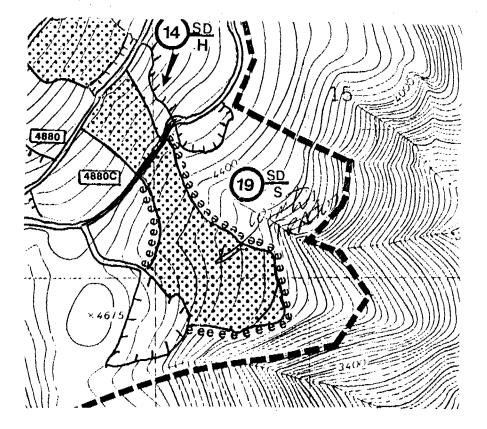


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Rexford - Doyle Gulch Re-Ad Unit 19		
	1995 KOOTENAI NATIONAL FOREST	
13103105	SOIL DISTURBANCE MONITORING FORM	
DATE 9130198 DBSERVER K.KINDEL	CUTTING METHOD CLIPPER HAND SAW	
	Wookan If tractor: dispersed dedicated	
SALE/S.A. <u>Doyle - Gwych</u> Unit # 19 Acres	RE-AD HAZARD TREATMENT SPECIES DESIGNAT	
H.T. SUBALPINE FIR	OPERATION PERIOD WINTER	
Slope EAST South FAST COMPACTION (Heavy) K (8)	Elevation 41-4600'	
K2		
<u>ඉමම්මීමම සම මීමීමීමම</u> <u>ඉල ලබා මීමීම මීමීමීම මීමීමීම</u> UNDISTURBED <u>මූමුකම</u> මීම	A :- (3)	8 9 :: (29 8 8 8 8 8
DISPLACED X () (::	(4)	
EXCAVATED SKID TRAIL		· · · · · · · · · · · · · · · · · · ·
SMZ/ROCK	UN 200 TEANSECT	
COMMENTS INDERSTOR	ALDER , PINE GRASS , KINNIKINNIK ; EVERY THING SKIDDE	·) ***
	HER OF UNIT; OLD UNIT; AT LEAST A YEAR SINC	
BURNED ; THICK ROOT LAT	LER IN WAIT ; WHAT REMAINS OF FIRELINE HAS A	DEQUATE
		"+
1. (CODY LEGERS IS SUFFI	ICIENT: NO LANDING PILES: ENTIRE UNIT IS REVEG	ITATING :
		ERBENDICUL
		ERBENDICUL
NLY TINO TRANSECTS B		DERBENDICUL
NLY TWO TRANSECTS B		
NLY TWO TRANSECTS B		<u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>
NLY THO TRANSECTS B TO SLID TRAILS ;	BECAUSE UNIT WAS LONG AND NARPOLD WHEN GOING F	
NLY TWO TRANSACTS B	BECAUSE UNIT WAS LONG AND NARPOLD WHEN GOING F	
NLY TWO TRANSECTS B	BECAUSE UNIT WAS LONG AND NARPOLD WHEN GOING F	
SHAPE OF UNIT AND PATTERN	BECAUSE UNIT WAS LONG AND NARPOLD WHEN GOING F	
SHAPE OF UNIT AND PATTERN	OF TRANSECT	
TRANSECT	BECAUSE UNIT WAS LONG AND NARPOLD WHEN GOING F	s (both

<u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity. <u>DISPLACED</u> - Any place soil has been mounded by machinery, also include in heavy or light compaction. <u>SMZ</u> - Include within transect if within harvest unit.

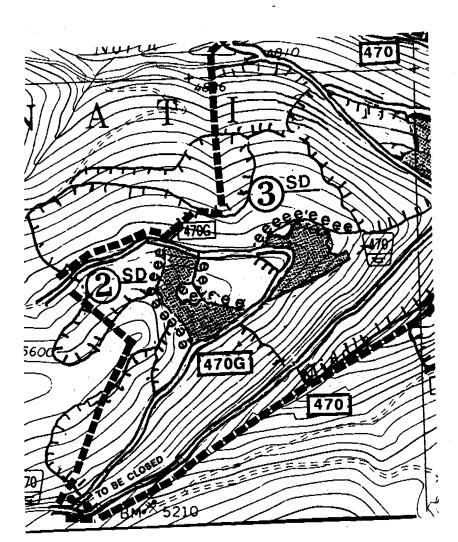
	Transec	t 1	Transec	ct 2	Transec	ct 3	Transe		Transect			ALS
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	<u>°</u>
D HEAVY i	8	2.2%	15	2.2%							23	2.2%
s LIGHT t	294	80.5%	532	77.8%					<u> </u> [826	78.7%
u UNDISTURB r	63	17.3%	137	23 %							200	19.1%
b TOTALS	365	100	684	10-0		<u></u>					1049	10-0
DISPLACED	7	2	ન	21							11	1
EROSION	0	0	0	0							0	0
PUDDLED	0	Ø	0	<u>م</u>							0	0
SMZ	0	0	0	0				<u>-</u>	ļ		0	0
ROCK	ð	0	1	1,5								۷.1
BURN PILES	0		0	6							0	0



10/01/1998 Rexford - Summit Salv Unit 2 10302098 DATE BSERVER	1992		i i s	103-02-	CYL
Unit 2 10302098 DATE BSERVER	1992	KOOTENAI NATIONA	18	102	-
DATE BSERVER	1997 sc	KOOTENAI NATIONA			
DATE BSERVER	SC		AL FOREST	Stoken open processed as	ntion
		DIL DISTURBANCE MON		STOREN OF	1 de la
				processed a	siump
	10/1/98	CUTTING METHO) CLIPPER	5 HAND	
	K. KINDEL	SKIDDING METHC	D	RTS / Hi.	trach
	Eme	If tractor:	dispersed	x dedicate	the second se
SALE/S.A.	SUMMIT SALVA				
Unit # 2	Acres 10	SILVICULTURAL T	REATMENT	PECIES DESIGNAT	TION
H.T. SEE	Notes SAF/Me	Je OPERATION PERI	10D required u	rinter started 1	bu: 97 finis
Slope Ridge To	2 1/2 SOUTHEAST	1/2 NORTH Elevation	\$ 5400-53	5501	
COMPACTION (H	eavy) <u>:: (4)</u>		·		
	<u> </u>			······	
	: (3)	/ :: (4)		~~~ <u>~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
COMPACTION (Li				(163)	
	NRADAN				
NABBB	(58)	<u> </u>		BB (19)	· · · · · · · · · · · · · · · · · · ·
UNDISTURBED	<u>BB:: (24)</u>	······································			
	<u>BB: (23)</u>	/		· · · · · · · · · · · · · · · · · · ·	
DISPLACED	BBX 26	33: (22)	. (2)		
	(2) / (2)				
EXCAVATED SKIL		<u></u>	····		
SMZ/ROCK					
		······································	a second s		··
FUNCTIONAL, MAIN COMPAC	TION 15 ON TR	AILS AT EDGE OF		LISE IN GOOD BE CONSIDERED	SHAPE ; DEDKATED
IT SEEMS EVI	ERYTHING WAS SK	IDDED TO THE ED	JOES & THEN	DOWN ;	
OVERALL U	INIT LUNCS GOUL	S FOR COMPACTION	N BUT THE	BARN INTENSIT	V . 11-
	ON SOUTH SIDE				
SHAPE OF UNIT A	ND PATTERN OF TR	ANSECT			
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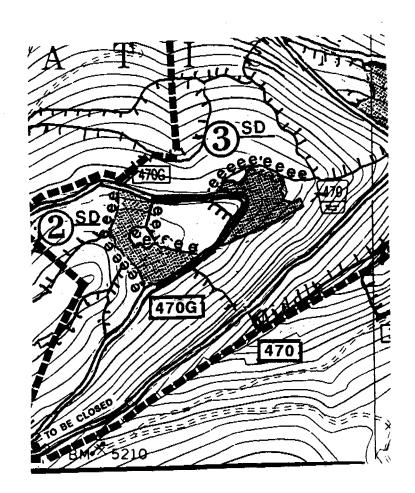
<u>COMPACTION (Light)</u> - Any other area not included in heavy COMPACTION or UNDISTURBED. <u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity. <u>DISPLACED</u> - Any place soil has been mounded by machinery, also include in heavy or light compaction. <u>SMZ</u> - Include within transect if within harvest unit.

	Transect	1	Transec	xt 2	Transe		Transe		Transec			ALS
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	<u> </u>
D HEAVY i	4	2.1%	4	2.5 %	3	3.4%	4	2.8 %			15	2.6 10
s LIGHT t	163	85.3%	136	83.4 %	58	66.7 %	119	82.1%			476	81.2%
u UNDISTURB	24	12.6%	23	14.1%	26	29.9 %	22	15.2%			95	16.2%
b TOTALS	191		163		87		145				586	
DISPLACED	2	·)	2		<u>ਪ</u>	5	3	2				2
EROSION	D	Ø	0	0	0	0	0	0			0	0
PUDDLED	υ	6	0	• ;	D	5	0	Ο			0	0
SMZ	0	0	U	0	<u> </u>	0	0	0			O	υ
ROCK	6	0	0	0	D	2	б	0			0	0
BURN PILES	0	0	0	0	0	0	0	0			0	0



09/29/1998			<u>.</u>	103-02 Stoken of	-099
Rexford - Summi	t Salvage		$= s_{-1,0} d^2 p v$		- A
Unit 3	٢	OOTENAI NATIONAL	FOREST	Stoken of	eration
10302099		DISTURBANCE MONIT			3 7 .
				processed ,	t stump
DATE	10/1/98	CUTTING METHOD	CLIPPE	2 THAND	······································
BSERVER	K, KINDER	SKIDDING METHOD			RTS/Hitroca
	D-1 Emery	If tractor:	dispersed	X dedic	cated /
SALE/S.A.	SUMMIT SALVAGE	HAZARD TREATMEN		·····	
Unit # <u>3</u>	Acres8	SILVICULTURAL TRE		SPECIES DES	16NATION
	NE AF WHIT # 2	OPERATION PERIO		& winter	finish Dec 97
Slope EAS		Elevation: 53	550 A5450	21	
COMPACTION (Heavy) 🛛 🛪 🗶 (27)	·····			
	X R (20)		- ·· ·		
COMPACTION (Light) <u>BBBBBBBBBBBB</u>	BRR DERESTRE			BBBB × 370 B × 315
UNDISTURBED	BRK (28)			3	· · · · · · · · · · · · · · · · · · ·
	R (i)				
DISPLACED	×.	······································			
EXCAVATED SH		· · · · · · · · · · · · · · · · · · ·			
SMZ/ROCK			·····		
				<u> </u>	
COMMENTS	BURNED THE WEEK	BEFORE ; BURN 1	IERY WITCHSI	E DOWN TO	BARE SAIL :
- <u>3"+ WNDY</u>		ISURALD UP : QU			
STRAIGHT DON					
15 FROM RU		AND PLACES TH		ET TURNED W	
	MANY LEAVE TREE			LPORT LOO	•
Sure and a second s					
·	·····		·····		
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		<u> </u>			
SHAPE OF LINIT	AND PATTERN OF TRANS	SECT	<u></u>		
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	470 G				
		= L	3		
		$\left \right ^{2}$	E .		
		11/2			
TRANSE	c7	11			
		//			
	\sim				
	//				
	leavy) - Any place where futu	ire vegetative growth wi	II he significant	vimnacted i.e. eki	d trails (both
	used depending on amount				
	ight) - Any other area not inc				imputicu aleas.
	No signs of any machinery c			and a second	
	y place soil has been mound		clude in heavy	or light compaction.	
	nin transect if within harvest u				7/97
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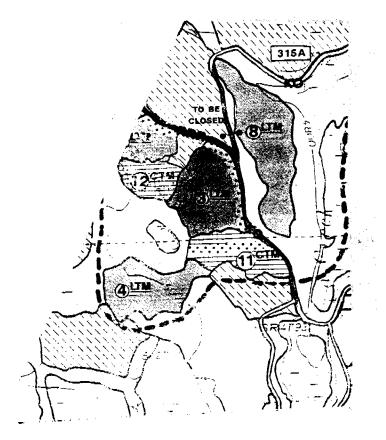
	Transec	t 1	Transe	ct <u>2</u>	Transec		Transe		Transect			ALS
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	<u> </u>
D HEAVY i	27	6.3%	2=	5.8%							47	6.1%
s LIGHT t	376	87.2%	315	91.3%							691	89 %
u UNDISTURB r	28	6.5%	10	2.9%							38	4.9 %
b TOTALS	431		345								776	
DISPLACED	11	3	9	3							20	3
EROSION	0	0	Ο	U							0	\mathcal{O}
PUDDLED	0	Э	D	0							0	0
SMZ	0	υ	0	0							0	0
ROCK	0	0	б	0							0	0
BURN PILES	\mathcal{O}^{*}	υ	0	0							0	0



07/29/1998 Fortine - Sunday Junction 346 EB 055 Unit 3 **KOOTENAI NATIONAL FOREST** 34603055 SOIL DISTURBANCE MONTORING FORM CUTTING METHOD DATE SKIDDING METHOD BSERVER dedicated If tractor: dispersed STRICT ernan BB - Cool HAZARD TREATMENT chanel SALE/S.A. tim SILVICULTURAL TRMT Unit # A¢r,∉s 3 seedtr OPERATION PERIOD H.T. MD Slope Bedroi el Location -e-COMPACTION (Heavy) 5 ner 80 COMPACTION (Light) 80 230 UNDISTURBED M 260 Ξ DISPLACED • 1 • 4 EXCAVATED SKID TRAIL SMZ/ROCK COMMENTS 71 C 200d anno nees Good SHAPE OF UNIT AND PATTERN OF TRANSECT 3 OMPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction.

<u>SMZ</u> - Include within transect if within harvest unit.

	٨			TRANS	SECT SU	MMARY	FORM					
	low	<u>~</u>	Mag				1		T		тот	
	Transect		Transec	t 2	Transec Pts.	<u>t 3</u> %	Transec Pts.	<u>t 4</u> %	Transect Pts.	<u>5</u> %	Pts.	<u>ALS</u>
D HEAVY	Pts.	x %	Pts.	2		/0			1 (3.	<u> </u>	10	2
s LIGHT t	80	25	80	23							160	24
u UNDISTURB r	230	73	260	75							490	74
b TOTALS	3/5	100	345	100							660	100
DISPLACED	3	· /+	0	0							3	21
EROSION	4	1	0	0							4	<u> </u>
PUDDLED	0	0	0	0							0	0
SMZ	0	0	б	0			-			m	0	0
ROCK	0 - 2	0	D	0							0	D
BURN PILES	0	0	0	0							0	D



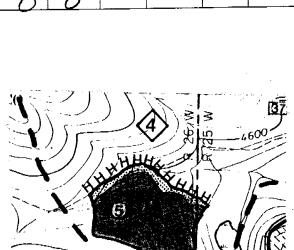
07/29/1998 346-7-37 Г 346-02-044 29 Fortine - West Sunday Unit 5 KOOTENAI NATIONAL FOREST 34602044/34607037 SOIL DISTURBANCE MONITORING FORM and t. 12. bunche **CUTTING METHOD** DATE SKIDDING METHOD BSERVER dedicated If tractor: dispersed STRICT m BB (cool HAZARD TREATMENT SALE/S.A. Sunday SILVICULTURAL TRMT Sendfree Unit # Acres Clun OPERATION PERIOD winter me H.T. Singeh Firmat Slope 55% Location twin sla COMPACTION (Heavy) 3 COMPACTION (Light) 106 92 UNDISTURBED NW 388 366 DISPLACED **EXCAVATED SKID TRAIL** SMZ/ROCK - covered more than 95% of area but much of du COMMENTS BB was cool 4 laner stell in tack men roances and com ing Ter 000 in SHAPE OF UNIT AND PATTERN OF TRANSECT oll failures

<u>COMPACTION (Heavy)</u> - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. <u>COMPACTION (Light)</u> - Any other area not included in heavy COMPACTION or UNDISTURBED. <u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity.

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	Transect		Tránsec		Transect		Transec	<u>t 4</u> %	Transect	<u>5</u> %	TOT Pts.	<u>ALS</u> %
	Pts.	%	Pts. '	%	Pts.	%	Pts.	70	Pts.	70	F15.	/0
D HEAVY i	6	1	3	1					-		9	1
s LIGHT t	106	21	92	20		· · ·					198	21
u UNDISTURB r	388	78	366	79							754	78
b TOTALS	500	100	461	100					<u> </u>		961	100
DISPLACED	0	Ø	0	0					3	÷ .	0	D
EROSION	0	0	0	Ø							0	0
PUDDLED	0	Θ	Ø	0							0	0
SMZ	0	D	0_	Ø							0	0
ROCK	0	0	0	D							0	0
BURN PILES	0	0	0	0							0	0

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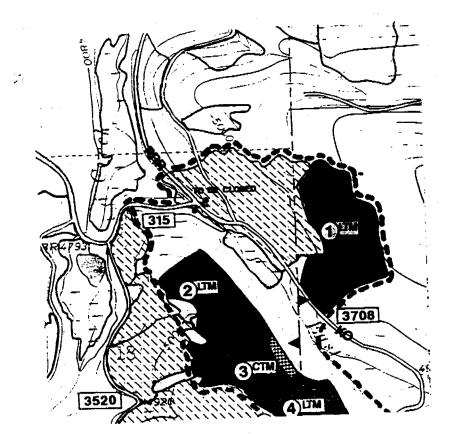
TRANSECT SUMMARY FORM

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_09/24/1998 346-04-044 Fortine - East Fork 346 - 4 - 44 Unit 1 34604044 KOOTENAI NATIONAL FOREST SOIL DISTURBANCE MONITORING FORM Fellesbuncher 24, 1998 **CUTTING METHOD** MATE SKIDDING METHOD BSERVER enn dedicated dispersed If tractor: m DISTRICT Fort spring '99 HAZARD TREATMENT 3 **B** SALE/S.A. East elderman tork +DF SILVICULTURAL TRMT 138 Acres Unit # /<u>Xele</u> OPERATION PERIOD SAF 1LIDO -SAF H.T. Slope 15-40 SU. Ele! Location Lower 1/3 2 COMPACTION (Heavy) 🖉 🕰 包耳口 XAL 6 20 $\cdot \cdot$ COMPACTION (Light) **:**185 XXX 240 5 UNDISTURBED DO DO DO L 6 58 136 á DISPLACED \boxtimes men: 10 12 ! X **EXCAVATED SKID TRAIL** uppe 3 -SMZ/ROCK live A uppe Ś noc COMMENTS A.A. o on Tra 0 Ly -73 bach and sare 0 Un C I stor to for Soul o u 01 an 0 Ľ4 ra. Yra SHAPE OF UNIT AND PATTERN OF TRANSECT 77. Fring . COMPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity.

DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction.

	D.	Λ.	· · · · · ·	TRANS	SECT SU	MMARY	FORM					6
F	<u>low-</u> Transect		Transect	t 2	Transec		Transe		Transec			
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%
D HEAVY	22	11	28	10	24	6					76	9
s LIGHT t	120	61	185	68	240	60					545	62
u UNDISTURB	56	28	58	22	13 6	34					250	29
b TOTALS	198	100	271	100	402	100	i	 	<u> </u>		811	100
Excavated	4	2	0	0	7	2	-			 	11	
DISPLACED	15	8	4		10	2	<u> </u>			· · ·	29	3
EROSION	3	1	0	0	0	0					3	L.5
PUDDLED	0	0	D	D	0	0		ļ		<u> </u>	0	0
SMZ	D	0	0	0_	0	0					0	0
ROCK	0	0	0	0	5	1		 		ļ	5	21
BURN PILES	0	0	0	6	D	6	<u> </u>	<u> </u>			0	0



	9:24.98 Kenny Kin	<u>ol</u> skii	TING METHOD DDING METHOD tractor:	dispersed	dedicated
SALE/S.A.	/	HAZ	ARD TREATMENT	·	
Unit #	Acres		VICULTURAL TRM1	ſ <u>`</u>	
Slope		Or 1			· · · · · · · · · · · · · · · · · · ·
	N (Heavy), 🔀 🖬 🕅	ha l			
		K (F) ([49		
COMPACTION	3 西京区 154 N (Light) + 123 友了 15	(29) বাস্বাস্বাস্বাস্বা		(13)	
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UNDISTURBE	B B B B B B B B B B B B B B B B B B B	· /- \/		<u> </u>	(195)
		(42)			
DISPLACED				(21)	
	((3)		
EXCAVATED	SKID TRAIL	5/20/s		<u></u>	
SMZ/ROCK					
COMMENTS	EROSTIN ::	alat	0 3		
COMMENTS	COLAR 10	3/2013	-@		· · · · · · · · · · · · · · · · ·
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·		F TRANSECT			
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SHAPE OF UN	IT AND PATTERN C			272 390	
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SHAPE OF UN		7 290		272 390 272 272 118	
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SHAPE OF UN		7 290		272 390 272 118	
SHAPE OF UN		7 290		272 390 272 118	
SHAPE OF UN		7 290		272 390 272 118	
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<u>SMZ</u> - Include within transect if within harvest unit.

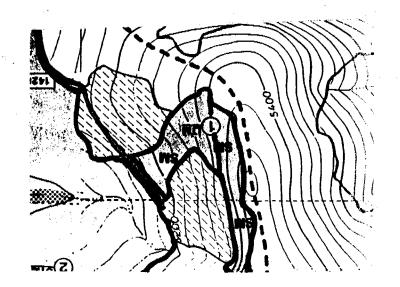
	Transect	1	Transect	2	Transec	t 3	Transe	ct 4	Transec	t 5_	TOT	ALS
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	<u>%</u>
D HEAVY i	28		39		29						96	
s LIGHT t	130		,91		195						516	
u UNDISTURB r	52		42		123						217	
b TOTALS											8000	
								• .·				
DISPLACED	14		10		7						31	
EROSION	3		0		0					-	3	
RUDDLED Skilt	6		0		7						12	
SMZ												
ROCK												
BURN PILES												· - ·

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829 965 829 965 329

09/28/1998 346-02-46-3-49 Fortine - Suntop Unit 1 KOOTENAI NATIONAL FOREST 34603049 SOIL DISTURBANCE MONITORING FORM hand + CUTTING METHOD **ATE** SKIDDING METHOD D-6 SERVER dedicated If tractor: ซโรTRICT dispersed Ŕ HAZARD TREATMENT SALE/S.A. SILVICULTURAL TRMT Unit # **OPERATION PERIOD** H.T. SH wind Slope orsher Location Northerl cap1. COMPACTION (Heavy) MM: BXXB COMPACTION (Light) ANNAN 5 NAAAAAAAA UNDISTURBED NABBAA 1. TA Ø NABBAR ANAAAAA 145 DISPLACED ; <u>le:</u> 30 51 **VVV** ĺπ **EXCAVATED SKID TRAIL** ; 0 110 12 SMZ/ROCK great that weterbars should have COMMENTS 2000 a location -50% upper steep pitel nerm SHAPE OF UNIT AND PATTERN OF TRANSECT \bigcirc 1428 Rd OMPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SM7 - Include within transect if within harvest unit. 7/97

			-	TRANS	SECT SU	JMMARY	FORM						
_	lowe	r	mit	fle_	why	er_		per 2	Transa	ct 5		ALS	-630
-	Transect		Transec		Transe	ct <u>3</u> %	Transe Pts.	ct 4 %	Transe Pts.	1 <u>5</u> 8	Pts.	<u> %</u>	
	Pts.	%	Pts.	%	Pts.	70		/0	1 13.				-1
D HEAVY	6	4	24	6	2	1	40	1/			72	6	_
s LIGHT t	116	88	255	71	113	43	303	85			787	71	
u UNDISTURB	10	8	82	23	145	56	13	4		·.	250	23	_
b TOTALS	132	100	361	100	260	100	356	100			1109	100	
							an an an an Na Airtín Na Airtín			- 2			_
DISPLACED	2	1	30	8	10	4	16	Ц	. ,	· · · · · · · · · · · · · · · · · · ·	58	5	
Cantel trail PUDDLED	0	0	10	3	0	0	0	0			10	1	_
PUDDLED	0	0	D	0	0	0	0	0		L	0	0	
SMZ	0	0	0	0	0	0	0	0			0	0	
ROCK	0	° O	0	0	0	0	0	0			0	0	_
BURN PILES	0	0	0	0	0	0	0	0			Ó	0	



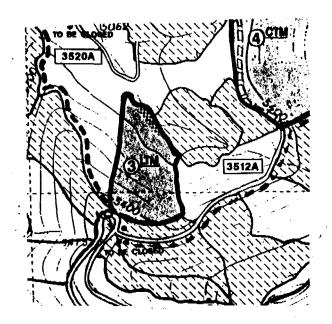
1 Car - Das 09/28/1998 46-6-81 Sale Sal Fortine - Suntop Unit 3 KOOTENAI NATIONAL FOREST 34606081 SOIL DISTURBANCE MONITORING FORM tand of cle 28, 1998 **CUTTING METHOD** DATE SKIDDING METHOD SERVER indel 5 dedicated If tractor: dispersed STRICT HAZARD TREATMENT Broadcast 9.24.98 SALE/S.A. SILVICULTURAL TRMT レアノ 57 seca Unit # OPERATION PERIOD SAF Winter Н.Т. SA F/Mete nall area of 45% Slope ы Location COMPACTION (Heavy) : MM M 🛛 161 131 UNDISTURBED CON CON CON CON CON CON CONCERNMENT แห BRANDAAAAAABABAX; DISPLACED L EXCAVATED SKID TRAIL SMZ/ROCK COMMENTS Overa SHU through anor SHAPE OF UNIT AND PATTERN O TRANSECT 3 MPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity.

DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit.

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:	Transec	t <u>1</u>	Transec		Transect	3	Transed Pts.	<u>ct 4</u> %	Transec Pts.	<u>t 5</u> %	Pts.	ALS %
	Pts.	%	Pts.	%	Pts.	%	FIS.		F15.			/0
D HEAVY	2	1	0	0							2	2,5
s LIGHT t	161	51	131	46							292	52
u UNDISTURB r	118	42	152	54							210	48
TOTALS	281	100	283	100							564	100
x		•		·				<u> </u>				
DISPLACED	6	2	4	1							10	ス
EROSION	0	Ø	0	0							0	0
PUDDLED	0	D	0	0							0	0
SMZ	0	0	Ø	0				<u></u>			0	0
ROCK	0	D	D	Ð					ļ		0	0
BURN PILES	0	0	0	0							0	D

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TRANSECT SUMMARY FORM



579-05-015 -: 06/12/1998 Libby - West Dry Sweep Salvage Unit 8A **KOOTENAI NATIONAL FOREST** 57905013 SOIL DISTURBANCE MONITORING FORM CUTTING METHOD DATE BSERVER SKIDDING METHOD dedicated 1 STRICT If tractor: dispersed SALE/S.A. West Dry Salvage 1c Bride HAZARD TREATMENT LPP SILVICULTURAL TRMT Rem 86 Unit # Acres \mathcal{DF} OPERATION PERIOD Η.Т. broch: - Ravell Slope Location West Dry Ford COMPACTION (Heavy) COMPACTION (Light) X MARANDAR / X ARA A A A A DISPLACED 🔀 EXCAVATED SKID TRAIL SMZ/ROCK COMMENTS Snow road serted tion -6 ots Sun SHAPE OF UNIT AND PATTERN OF TRANSECT MPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both Treavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit. 7/97

	1			TRANS	SECT SU	MMARY	' Form					
	lowe	r	un						т <u>—</u>			<u> </u>
	Transec		Transec		Transec		Transec		Transec		TOT	
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	<u>%</u>
D HEAVY i	.7	3	8	4							15	4
s LIGHT t	llD	53	120	61							230	57
u UNDISTURB r	90	44	70	35							160	39
b TOTALS	207	100	193	100							405	100
				·								
DISPLACED	10	5	5	3							15	4
EROSION	0	υ	0	0							o	0
PUDDLED	0	Ο	D	0							0	0
SMZ	Ø	D	0	0							0	0
ROCK	0	0	0	0							0	0
BURN PILES	D	0	0	0							0	0

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06/12/1998		A second
Libby - West Dry Sweep Salvage		17 <u>a - 06 - 07 7 - 6</u>
Unit 9 57905017	KOOTENAI NATIONAL FOREST	-79 AS A17
57905017	SOIL DISTURBANCE MONITORING FORM	•
DATE Que 12, 1998	CUTTING METHOD	
SSERVER Kuemen	SKIDDING METHOD	RTS
STRICT Libby	If tractor: dispersed	gdedicated
Unit # 200, Acres	SILVICULTURAL TRMT Remon	e down -PP
H.T. VFRIDO -ES/C/un	OPERATION PERIOD	
Slope <u>15-30</u>		
Location west Duy Forh COMPACTION (Heavy) X L		
	ANDRIXIX	
INDIATURDER SAMAN	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	/
DISPLACED		
EXCAVATED SKID TRAIL		
SMZ/ROCK		
COMMENTS		
		· · · · · · · · · · · · · · · · · · ·
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v		······
SHAPE OF UNIT AND PATTERN C	OF TRANSECT	
	and the second sec	

<u>COMPACTION (Light)</u> - Any other area not included in heavy COMPACTION or UNDISTURBED. <u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity.

<u>DISPLACED</u> - Any place soil has been mounded by machinery, also include in heavy or light compaction. <u>SMZ</u> - Include within transect if within harvest unit.

	Transect	: 1	Transec	t 2	Transect	t_3	Transec	ct 4	Transec	t 5	TOT	
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%
D HEAVY i	ت ر	6									15	6
s LIGHT t	110	41									110	41
u UNDISTURB r	140	53							ļ		140	53
b TOTALS	265	100				 					265	100
DISPLACED											3	
•	3	<u> </u>								↓		
EROSION	D	0									0	0
PUDDLED	0	Ø								r	0	0
SMZ	0	0									0	0
ROCK	D .	0									0	0
BURN PILES	0	D									0	0

10 06/12/1998 Libby - West Dry Sweep Salvage -05-020 **KOOTENAI NATIONAL FOREST** Unit 9A SOIL DISTURBANCE MONITORING FORM 57905020 according. CUTTING METHOD DATE SKIDDING METHOD BSERVER If tractor: dedicated STRICT dispersed SALE/S.A. West BULHAZARD TREATMENT SPF 9 H SILVICULTURAL TRMT Remove Unit # Acrés **OPERATION PERIOD** H.T. \mathcal{DF} 1000 Slope 5-1-30 Bodroch: Kovalle 9 rod Location West Dry For power. COMPACTION (Heavy) COMPACTION (Light) UNDISTURBED 🗖 🖾 DISPLACED :: **EXCAVATED SKID TRAIL** SMZ/ROCK COMMENTS SHAPE OF UNIT AND PATTERN OF TRANSECT

<u>OMPACTION (Heavy)</u> - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both neavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. <u>COMPACTION (Light)</u> - Any other area not included in heavy COMPACTION or UNDISTURBED. <u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity.

<u>DISPLACED</u> - Any place soil has been mounded by machinery, also include in heavy or light compaction. <u>SMZ</u> - Include within transect if within harvest unit.

	top	>	- 1	TRANS		JMMARY	FORM						١
	11		mid	·	LONG							6	\sim
	Transec		Transec		Transec		Transe		Transec			ALS	
<u> </u>	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	للتفلق توجيفا ويترا
D HEAVY i	7	4	8	3	5	2					20	3	
s LIGHT t	110	59	160	60	170	69					440	63	
u UNDISTURB	7D	37	100	31	70	29					240	34	
b TOTALS	181	100	268	100	245	100					700	100	,
										i			
DISPLACED	4	2	3	1	4	2					11	2	
EROSION	0	0	0	Ø	Ò	0					0	0	
PUDDLED	0	0	0	0	0	0					0	0	
.SMZ	0	D	0	0	0	0					0	0	ł
ROCK	0	Ø	0	0	0	0					0	0	
BURN PILES	Ö	D	0	0	0	0					0	0	
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514-04-0-06/03/1998 Libby - Sheldon Interface 517-05-016-42 Unit 4 KOOTENAI NATIONAL FOREST 51404055/51705016 SOIL DISTURBANCE MONITORING FORM 2 1948 KALN CUTTING METHOD DATE BSERVER SKIDDING METHOD :07 ennén If tractor: dispersed in cu dedicated ISTRICT Lib sheldor ŚALE/S.A. HAZARD TREATMENT Lot SILVICULTURAL TREATMENT remove pine Unit # Acres 6: The OPERATION PERIOD wanter 9 H.T. der !! Slope 230 -Unit4 ontrite 1/ 55% Hospiecter tee . COMPACTION (Heavy) Unit 5/ alana Ű 9120 COMPACTION (Light) 04 Ini 23 Unit 5 Congeasterk face UNDISTURBED UNIT 4 Ø 73 Unit 5 (along rasterly 10 DISPLACED Un Unit 5 (alon EXCAVATED SKID TRAIL/ 10/01 08 613 SMZABOCK Past Tt Z (\mathcal{G}) COMMENTS delim bounda 10 A.14 hemisder DF/Caser L:60 01 dela SHAPE OF UNIT AND PATTERN OF TRANSECT along transact @ 190 points were observed to be from past 1169.234 m activities, transect @ 208, and transect @ 215. Obviously not all were considered retring to 7

<u>OMPACTION (Heavy)</u> - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. <u>COMPACTION (Light)</u> - Any other area not included in heavy COMPACTION or UNDISTURBED. <u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity.

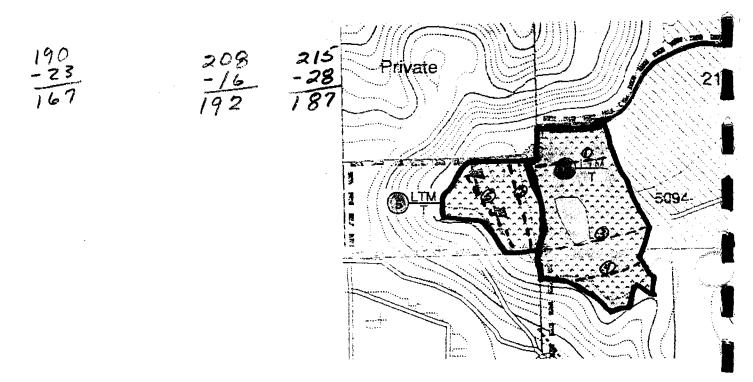
<u>DISPLACED</u> - Any place soil has been mounded by machinery, also include in heavy or light compaction. <u>SMZ</u> - Include within transect if within harvest unit.

	-+4	(D	(STRAN	SECT SI		FORM					
IL A	Transect 1			Transed		Transect 3		Transect 4		Transect 5		TOTALS	
ι <u>ς</u>	••••••••••••••••••••••••••••••••••••••	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%
D	HEAVY	23	7	16	5	28	7					67	6
s t	LIGHT	271	80	301	86	307	81					879	82
u r	UNDISTURB	46	13	33	9	45	12					124	12
b	TOTALS	340	100	350	100	380	100					1070	100
	DISPLACED	5	3	3	2	2	1_		 			10	2
	EROSION	0	0	0	0	0	0					0	0
	PUDDLED	0	D	0	0	6	0					0	0
	SMZ	0	0	0	0	0	0					0	0
	ROCK	0	0	0	0	0	0					0	0
	BURN PILES	0	0	0	0	0	0					0	0

23 16 28

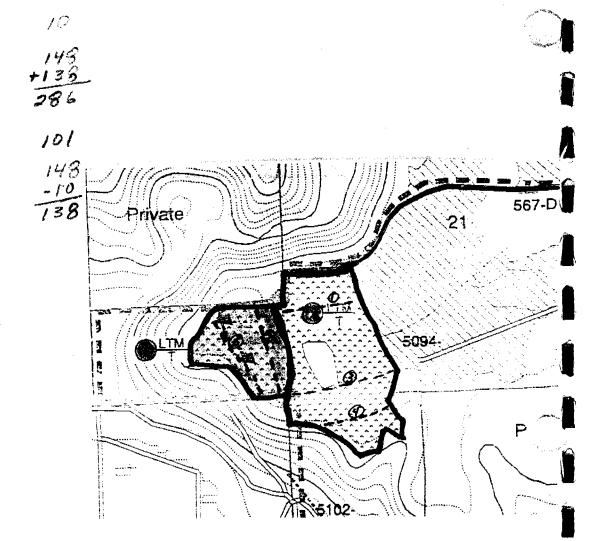
104	109	120
+167	+192	+187
271	301	307

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06/03/1998 514-04-0-18 -Libby - Sheldon Interface 517-05-020-Unit 5 **KOOTENAI NATIONAL FOREST** 51404048/51705020 SOIL DISTURBANCE MONITORING FORM 1998 DATE CUTTING METHOD clippe SKIDDING METHOD **BSERVER** Cal + STRICT If tractor: dedicated dispersed SALE/S.A. Ce HAZARD TREATMENT SILVICULTURAL TREATMENT Unit # Acres OPERATION PERIOD writer H.T. DF ibo D Carw Slope <u> 3010</u> COMPACTION (Heavy) 9148 COMPACTION (Light) 123 Ì Ð 3 UNDISTURBED 173 101 Ø \mathcal{T} DISPLACED 18 2 **EXCAVATED SKID TRAIL** SMZ/ROCK Past Activity 20 3148 COMMENTS Easterl 35-50% slope, 12 Trails unero me 000 rum noma m deexe und wo were ---ween th . SHAPE OF UNIT AND PATTERN OF TRANSECT 854,250 m. 15 COMPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction.

Unit 5	(Ź	(-TRAN	SECT SUI	MMAR	Y FORM					
	Transec		Transec		Transect		Transec		Transec		ТОТ	
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	<u>%</u>
D HEAVY i	15	5	10	3							25	3
s LIGHT t	123	39	286	72							409	58
u UNDISTURB r	173	56	101	25							274	39
b TOTALS	311	100	391	100							708	100
		-										
DISPLACED	18	6	2	1							20	4
EROSION	0	D	0	О		-					0	0
PUDDLED	0	D	0	0							0	0
SMZ	0	0	O	\hat{O}							0	0
ROCK	Ð.	0	0	0							0	0
BURN PILES	0	0	Ø	\mathcal{O}							0	0



06/12/1998 Libby - Dry 3 Roadside 57905027 Unit 2 KOOTENAI NATIONAL FOREST 57905027 SOIL DISTURBANCE DATA FORM clina DATE CUTTING METHOD OBSERVER SKIDDING METHOD DISTRICT HAZARD ABATEMENT SILVICULTURAL Samutation salvage RDSI SALE Unit No. 12A OPERATION PERIOD_Summe 14 COMPACTION(Heavy) **Z**, COMPACTION (Light) UNDISTURBED A KAKAKAKA 140 DISPLACED EXCAVATED SKID TRAIL SMZ/ROCK COMMENTS PP Dead + Join L ight, 53 undicturbed 10 detrimen -4 Shape of Unit and Pattern of Transect

Pts Pct. Hang 14 5 Light 109 42 Undist. 140 53 Total 263 100

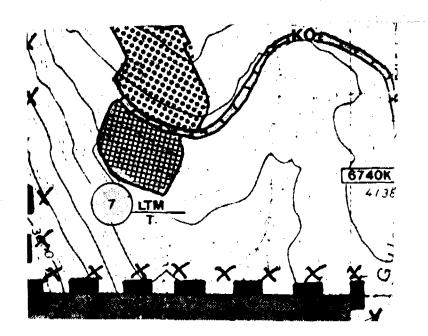
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06/30/1998 539-04-0-1 Libby - Detgen Cowell Unit 7 **KOOTENAI NATIONAL FOREST** 53904029 SOIL DISTURBANCE MONITORING FORM DATE 30 1998 CUTTING METHOD per mostly SERVER SKIDDING METHOD henner STRICT If tractor: dedicatéd spersed 66 SALE/S.A. Detain DenvyHAZARD TREATMENT SILVICULTURAL TRMT LTM Sheltewood Unit # Acres H.T. DF/Caru **OPERATION PERIOD** - GP Summer 1998 Libo Slope COMPACTION (Heavy) 23 COMPACTION (Light) upper 14 over i90 UNDISTURBED DISPLACED X XX 100 130 lower_ XXXX M м EXCAVATED SKID TRAIL SMZ/ROCK COMMENTS U true ana. she Rosa. l-e 12 nt logas 50 Settere tri la and pen 101 curren Kan to mord 10 SHAPE OF UNIT AND PATTERN OF TRANSECT Kd. 67401 MPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both esavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity.

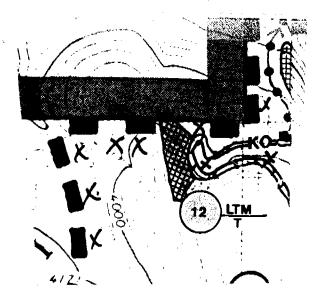
<u>DISPLACED</u> - Any place soil has been mounded by machinery, also include in heavy or light compaction. <u>SMZ</u> - Include within transect if within harvest unit.

			1		SECT SU	MMARY	FORM					
	upp	er_		er.								
	Transfic	1	Transec		Transect		Transect		Transect		TOT	
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%
D HEAVY i	11	5	23	8							34	7
s LIGHT t	141	61	190	63							33/	6 Z
u UNDISTURB r	79	34	87	29							166	31
b TOTALS	231	100	300	100							531	100
				<u>-</u> -			<u> </u>					
DISPLACED	100	43	130	43							230	43
EROSION	0	0	0	0							0	0
PUDDLED	Ø	0	0	0							0	0
SMZ	O	0	0	0							0	6
ROCK	0	0	0	0							0	0
BURN PILES	\bigcirc	0	0	D							0	0



06/30/1998 40-05-031 Libby - Detgen Cowell Unit 12 KOOTENAI NATIONAL FOREST 54003034 SOIL DISTURBANCE MONITORING FORM CUTTING METHOD DATE SKIDDING METHOD BSERVER NA STRICT If tractor: dispersed dedicated SALE/S.A. 220 HAZARD TREATMENT ain SILVICULTURAL TRMT Unit # Acres ComOPERATION PERIOD H.T. 101 Summ \overline{D} 1998 Slope NE Location ma s COMPACTION (Heavy) 3 COMPACTION (Light) 130 UNDISTURBED 115 150 DISPLACED 20 **[X]** 8 EXCAVATED SKID TRAU SMZ/ROCK COMMENTS enver ra SHAPE OF UNIT AND PATTERN OF TRANSECT MPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both neavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit.

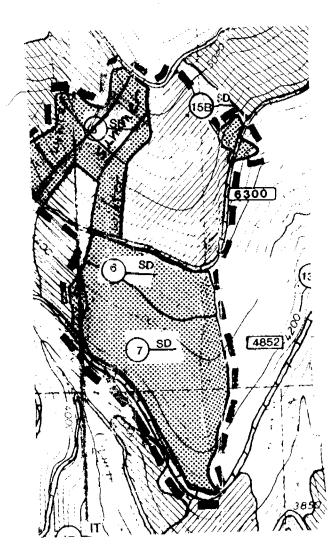
	1				SECT SU	IMMARY	FORM					
Г	19an		<u></u>	1.2.67		+ 0	Tranca	ot 4	Transact	5		
-	Transect	1 %	Transec Pts.	<u>≹⁄2</u> %	Transed Pts.	ct <u>3</u> %	Transe Pts.	<u>ct 4</u> %	Transect Pts.	<u> </u>	Pts.	ALS (
D HEAVY	Pts.	70		70	<u>гю,</u>	/0	<u> </u>	/0	F 13.	/0	1.0.	
i	7	3	5								12	2
s LIGHT t	100	45	130	46							230	45
u UNDISTURB r	115	52	150	<u>53</u>							265	53
b TOTALS	222	100	285	100							507	100
								• .	:			
DISPLACED	20	9	8	·3 -						<u> </u>	28	6
EROSION	0	0	0	0							0	0
PUDDLED	0	0	ð	0							0	0
SMZ	0	0	0	0						··· ··· ···	0	Ø
ROCK	0 -	0	0	Ø							0	0
BURN PILES	0	0	0	0							S	٥



1-9 - Cê lin * Cê - Ce 6 09/22/1998 Libby - Bristow Creek Salvage Unit 5 KOOTENAI NATIONAL FOREST 55403021 SOIL DISTURBANCE MONITORING FORM DATE 22 199 CUTTING METHOD **OBSERVER** SKIDDING METHOD 4m 6-STRICT If tractor: dispersed dedicated 1-Bride SALE/S.A. HAZARD TREATMENT SILVICULTURAL TREATMENT Unit # Acres 46 OPERATION PERIOD H.T. to 5 sun 4600-5000' Êl Slope le, **COMPACTION** (Heavy) nter) ten to. \mathcal{O} COMPACTION (Light) 155 3 a 140 UNDISTURBED 4 50 3 30 D 60 80 DISPLACED uppe EXCAVATED SKID TRAIL SMZ/ROCK COMMENTS RO rala NOF SHAPE OF UNIT AND PATTERN OF TRANSECT ý. MPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both meavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit.

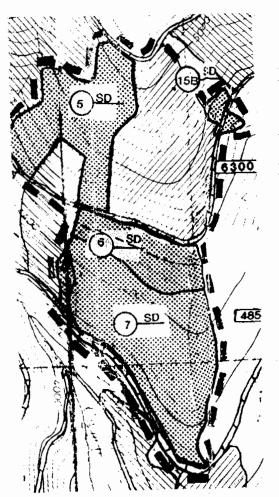
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Óe	loby	, a	O:lo	Seg :	De	Josep	Set Oracitati dati	L .	Octo	ber	}	
	low	urre Er	L March-	TRANS	SECT SI	UMMARY	FORM			ta e B		48. <u>3</u> 5
	Transec	<u>t 1</u>	Transec	ot 2	Transe	¢ (3	Transe	ect 4	Transe	bas=5 .		ALS
D HEAVY	Pts.	% 5/	Pts.	% 8/4	Pts.	% 7/4	Pts.	%	<u>Pts.</u> 29	% 7	Pts.	3
s LIGHT t	84/12	10	116/55		40/140	53/61			240	58	415	67
u UNDISTURB	55/50	38/29	60/60	31/27	30/80	40/35	•		145	35	190	30
b TOTALS	147/12	100	192/ 225	5/00	15/228	8 100			414	100	625	100
DISPLACED												
	/1	/ 4	/ 8	14	3	//			0	Ð	18	3
EROSION	0	0	0	0	0	0			0	0	0	0
PUDDLED	0	0	0	0	0	0			0	0	0	0
SMZ	0	0	0	0	0	0			0	0	0	0
ROCK	0	0	0	0	0	Ø			0	0	0	0
BURN PILES	0	0	0	0	0	0			0	0	σ	0



09/22/1998 554-05 Libby - Bristow Creek Salvage Unit 6 **KOOTENAI NATIONAL FOREST** 55403031 SOIL DISTURBANCE MONITORING FORM DATE CUTTING METHOD BSERVER SKIDDING METHOD dedicated 4..... If tractor: dispersed STRICT Mc Bride HAZARD TREATMENT SALE/S.A. rista WL + DF souther SILVICULTURAL TRMT SDUnit # Acres SAF OPERATION PERIOD H.T. Libo Sum 1998 Ele: 4500-4600' 352 Slope 30% 7 Location(pCr. COMPACTION (Heavy) COMPACTION (Light) mille 386 UNDISTURBED mildle 185 DISPLACED mille **EXCAVATED SKID TRAIL** SMZ/ROCK COMMENTS S A se Unit 7 but 60 RM inglo SAF de LP SAI from N Wcorner Munto to 90 na Л en ots 01 Surface organico lenty 4 50**s** $C \mathcal{W} \mathcal{D}$ 50 WD = coarse woody debis 5 Sur are organico SHAPE OF UNIT AND PATTERN OF TRANSECT MPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both neavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit.

	Transec	t 1	Transec	t 2	Transect	3	Transec	t 4	Transect		TOT	ALS
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%
D HEAVY i	12	2									12	2
s LIGHT t	386	66									386	66
u UNDISTURB	185	32									185	32
b TOTALS	583	100								-, -	583	100
DISPLACED	6	1									5	1
EROSION	0	0									0	0
PUDDLED	Ø	0									0	0
SMZ	0	0									0	0
ROCK	Ô	D						-			0	0
BURN PILES	0	0									0	0



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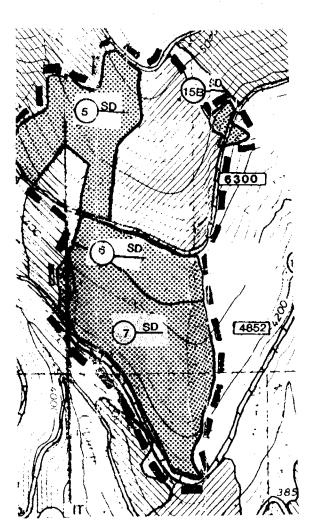
09/22/1998 554-03-042 91 Libby - Bristow Creek Salvage Unit 7 KÖÖTENAI NATIONAL FOREST 55403042 SOIL DISTURBANCE MONITORING FORM **CUTTING METHOD** DATE SKIDDING METHOD BSERVER If tractor: dedicated dispersed STRICT Beide 4 HAZARD TREATMENT SALE/S.A. Briston 407 SILVICULTURAL TRMT SI inch Unit # Acres Same 4) OF BATION PERIOD H.T. GF 99**.8** 500 broch. Ele: 4100-4500 Slope t0-359 KAUNDO Location Ca mpl 320 COMPACTION (Heavy) 10 **COMPACTION** (Light) 50 640 UNDISTURBED シノレ 209 DISPLACED Prove 10 EXCAVATED SKID ARAIL SHZ/ROCK 4 4 COMMENTS Fin Pino 0 also alento , below fin Consta ~ V-r +WH. the more SHAPE OF UNIT AND PATTERN OF TRANSECT Rd 4852 MPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both reavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit. 7/97

_	lowe	2	Transec	ren					<u> </u>			
	Transect	t 1			Transect		Transed		Transect		TOT	
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	<u>%</u>
D HEAVY i	16	2	26	3							42	3
	507	69_	640	73			<u> </u>		-		1147	71
u UNDISTURB r	216	29	209	24			<u> </u>		<u> </u>		425	26
b TOTALS	739	100	875	100			<u> </u>				1614	100
												:
DISPLACED	10	1	8	1				·	<u> </u>	·	18	1
EROSION	0	0	0	0							0	0
PUDDLED	0	0	0	0							0	0
SMZ	6	0	0	D							0	0
ROCK	4	.5	4	.5							8	.5
BURN PILES	δ	0	D	0							0	0

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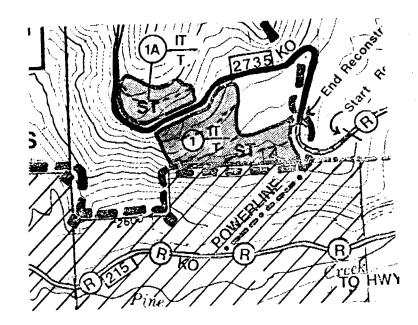
10/23/1998 728-09-005 Cabinet - Gray Woodchuck Unit 1 72809005 1963 ية الرئيسية ا KOOTENAI NATIONAL FOREST SOIL DISTURBANCE MONITORING FORM CUTTING METHOD TE SERVER SKIDDING METHOD If tractor: dispersed dedicated DISTRICT HAZARD TREATMENT SALE/S.A. Gra contr SILVICULTURAL TRMT Seed tree Unit # Acres OPERATION PERIOD 1999 Summer H.T. Phine DE Aspect: E ENE Slope Ele: 2900-3100 Location lower slope COMPACTION (Heavy) 10 \mathcal{A} 3 ~ 2 68 LANN COMPACTION (Light) NNANANANANANANANANANA QUIDDS: 92 ⊠• BBBBB 3 50 DISPLACED 2 21 EXCAVATED SKID TRAIL ദി. 3 4 10 SMZ/ROCK COMMENTS Interbero a mou uni near trai SHAPE OF UNIT AND PATTERN OF TRANSECT $(\mathbf{z})_{\cdot}$ CMPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SM7 - Include within transect if within harvest unit. 7/97

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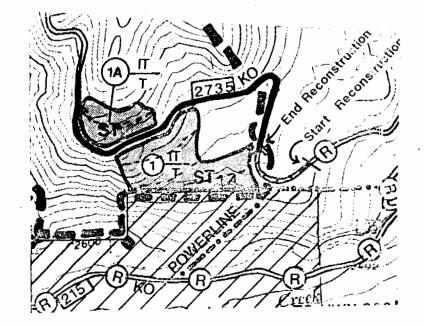
			of the second se				do	100	000 -	1.		(
	Transec	t 1	Transed	t 2	Transe		Transe					
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%
D HEAVY i	2	41	3	<u>k</u>	R	2	10	2	5	2	ZZ	3
s LIGHT t	168	41	92	45	43	45	41	10	32	16	376	53
u UNDISTURB	187	46	72	35	50	53					309	44
b TOTALS	357		167		95	100	51		37		707	100
	408		204						· .			
DISPLACED	2	.5	3	1.5	4	4	O	· •	0	O j	9	1
EROSION	0	0	Ø	0	0	6	0	0	0	0	0	0
PUDDLED	0	0	0	0	0	0	0	0	0	0	0	0
SMZ	0	0	0	0	0	0	0	0	0	0	0	0
ROCK	0	0	0	6	0	0	0	0	0	0	0	0
BURN PILES		0	0	0	0	0	0	0	0	0	0	ð
	<u> </u>											



10/23/1998 728-01-002 Cabinet - Gray Woodchuck Unit 1A **KOOTENAI NATIONAL FOREST** 72807002 1962 - í., SOIL DISTURBANCE MONITORING FORM CUTTING METHOD ATE SERVER SKIDDING METHOD dedicated If tractor: ersed 1-STRICT HAZARD TREATMENT SALE/S.A. ordihich SILVICULTURAL TRMT A Unit # Acres **OPERATION PERIOD** H.T. Phma DF Aspect: E-ENE Slope えの Ele: 3100-3200 Location la Slip COMPACTION (Heavy) 6 pld 1 86 COMPACTION (Light) X X X X X X X X X 42 184 UNDISTURBED X X Ø DISPLACED < 1_ EXCAVATED SKID TRAIL SMZ/ROCK COMMENTS SHAPE OF UNIT AND PATTERN OF TRANSECT OMPACTION (Heavy) - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. COMPACTION (Light) - Any other area not included in heavy COMPACTION or UNDISTURBED. UNDISTURBED - No signs of any machinery or skidding acitvity. DISPLACED - Any place soil has been mounded by machinery, also include in heavy or light compaction. SM7 - Include within transect if within harvest unit. 7/97

	Par	a t	()	TRANS	SECT SU	JMMARY	FORM		•			<i>(</i>
	Transec	ent	Transec	t 2	Transe	ot 3	Transe	ct 4	Transec	t 5	TOT	ALS
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%
D HEAVY i	4	1	6	2							10	3
s LIGHT t	86	26	42	13						<u>.</u>	138	42
u UNDISTURB r	184	<u>5</u> 5	0	0							184	55
b TOTALS	274	100	48	<u>í</u>							<u>332</u>	100
	32	2										
DISPLACED	5	3	D	0							5	1.5
EROSION	υ	0	D	б							0	0
PUDDLED	ð	0	0	D							0	0
SMZ	D	Ð	0	D							0	0
ROCK	0	D	D	0							0	0
BURN PILES	D	0	0	0							0	D

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TRANSECT SUMMARY FOR

10/23/1998 Rexford - Lower Scalp Fire Salvage		\$01-0-1-00z
Unit 5 10704088	KOOTENAI NATIONAL FOREST	
DISTRICT Radford UNIT RAFACT SALE/S.A. Lower Scalp FISAL Unit # 5 Acres / 15 H.T. Slope 35-45% Aspec Location Lower Baulder COMPACTION (Heavy)	CUTTING METHOD SKIDDING METHOD If tractor: HAZARD TREATMENT SILVICULTURAL TRMT OPERATION PERIOD LT: 301 HOW Scalp Mut.	dedicated, t (spring 98) - 96/97
COMPACTION (Light)		
	· · · · · · · · · · · · · · · · · · ·	
DISPLACED		
	4 4 5 	
COMMENTS Looks Very Se	miles to aret & of Lower	Scolp. Operation.
Same period. Lots of malit would be f. Rd. 7236 is can	and excertillation of the thous	Lindnet 8. Culvert
Unit 8 was man as Unit 5, Previou	itarel July 22, 1997. It	I trails have same
with the shillside, with the shillside, see any any any	Sellage operation or general decides to the o	ed trails. Cannot
SHAPE OF UNIT AND PATTERN OF	TRANSECT	
		\$ -
	:	
	· •	

<u>COMPACTION (Heavy)</u> - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. <u>COMPACTION (Light)</u> - Any other area not included in heavy COMPACTION or UNDISTURBED. <u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity. <u>DISPLACED</u> - Any place soil has been mounded by machinery, also include in heavy or light compaction.

SM7 - Include within transect if within harvest unit.

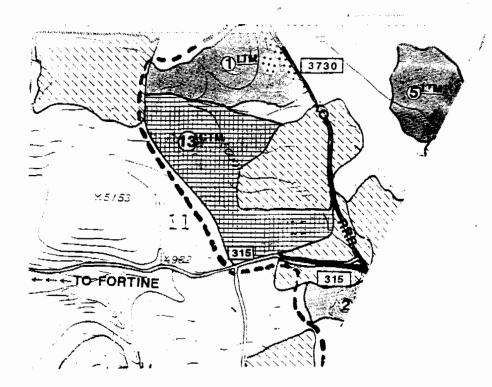
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	1	Transect	1	Transect	2	Transect	3	Transect	t 4	Transect			ALS
	1	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%
D H i	IEAVY												
s Ll t	IGHT												
r	INDISTURB												
b TC	DTALS												
D	DISPLACED												
E	ROSION												
P	UDDLED												
S	MZ												
R	ROCK	·											
В	URN PILES												



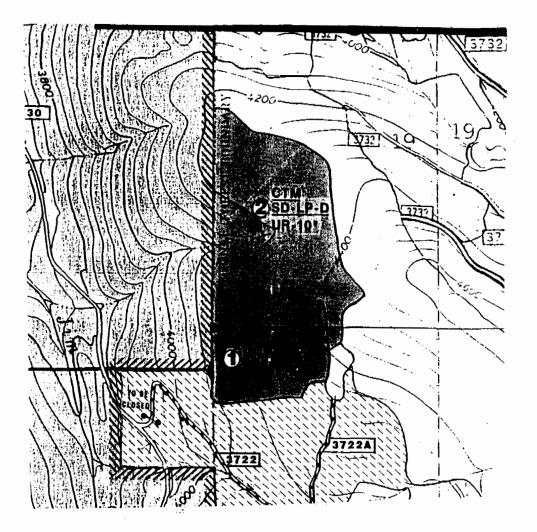
09/24/1998 -38 Fortine - Trebro South 12.0000 Unit 1 & 2 98 **KOOTENAI NATIONAL FOREST** 34703055/34704013 SOIL DISTURBANCE MONITORING FORM 1- 1 Han Education CUTTING METHOD ATE SKIDDING METHOD SERVER dedicated . سريا STRICT If tractor: dispersed SALE/S.A. HAZARD TREATMENT SILVICULTURAL TRMT -ixk Unit # Acres OPERATION PERIOD H.T. u Slope Location COMPACTION (Heavy) **COMPACTION** (Light) UNDISTURBED DISPLACED **EXCAVATED SKID TRAIL** SMZ/ROCK COMMENTS A no Cla ~2 SHAPE OF UNIT AND PATTERN OF TRANSECT

<u>DMPACTION (Heavy)</u> - Any place where future vegetative growth will be significantly impacted, i.e., skid trails (both heavily and lightly used depending on amount of compaction related to soil moisture), landings, and other impacted areas. <u>COMPACTION (Light)</u> - Any other area not included in heavy COMPACTION or UNDISTURBED. <u>UNDISTURBED</u> - No signs of any machinery or skidding acitvity.

<u>DISPLACED</u> - Any place soil has been mounded by machinery, also include in heavy or light compaction. SMZ - Include within transect if within harvest unit.

7/97

	Transect	1	Transect	2	Transect	3	Transect		Transec	t 5	TOT	ALS
	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%	Pts.	%
s LIGHT						_						
b TOTALS												
DISPLACED												
EROSION						·						
PUDDLED												
SMZ												
ROCK	11											
BURN PILES												



155051 06/02/1998 Three Rivers - China Basin Salvage KOOTENAI NATIONAL FOREST Unit 23 SOIL DISTURBANCE DATA FORM 45505177 DATE 6 9 12 CUTTING METHOD SKIDDING METHOD_ shuline OBSERVER7 DISTRICT h HAZARD ABATEMENT SILVICULTURAL S SALE Unit No. HT-571 El-4600, 45-5 Shipe-51 OPERATION PERIOD COMPACTION(Heavy) **\$** COMPACTION (Light) UNDISTURBED DISPLACED EXCAVATED SKID TRAIL SMZ/ROCK COMMENTS Pant ng n A CWD very good Shape of Unit and Pattern of Transect

04018 - 15A 57904009-64 **KOOTENAI NATIONAL FOR** Libby - Dry Pocks Salvage SOIL DISTURBANCE DATA FORM -Unit 8 57904009/57904018 DATE 6.25.98 CUTTING METHOD_(uemen / Crawford skild DING METHOD TA OBSERVER / DISTRICT bby HAZARD ABATEMENT achs Salvage SILVICULTURAL Santation Salvage SALE [slope 25 OPERATION PERIOD Jul/Aug HT 282/323 El 4000-4200 A3-5W COMPACTION(Heavy) Wath-COMPACTION (Light) UNDISTURBED DISPLACED EXCAVATED SKID TRAIL SMZ/ROCK COMMENTS

Shape of Unit and Pattern of Transect

 $x \mapsto x^{2}$

57907022-	ZI 37907027-3 KOOTENAI NATIONAL FOREST SOIL DISTURBANCE DATA FORM	06/25/1998 Libby - Dry Pocks Salvage Unit 12 579007022/57907027
DATE <u>6/25/98</u>	CUTTING METHOD	
OBSERVER uennen Char	ford SKIDDING METHOD	
DISTRICT Libby	HAZARD ABATEMENT	
SALE Dry Pocho Sal Unit No. 1.2	wage SILVICULTURAL Samtation 3.	als/su seed/resource
HT. 292/591 Cle-4300 COMPACTION(Heavy) Slope	And SKIDDING METHOD HAZARD ABATEMENT hage silvicultural <u>samtation</u> S Az-sw OPERATION PERIOD_Jul/Aug 15-25	102
		Y
COMPACTION (Light)	- Walk	Through
DISPLACED		
EXCAVATED SKID TRAIL		
SMZ/ROCK		
COMMENTS		
· · · · · · · · · · · · · · · · · · ·	- · · · · · · · · · · · · · · · · · · ·	

Shape of Unit and Pattern of Transect

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56403044 -33A 56403047 - 5H **KOOTENAI NATIONAL FOREST** 06/25/1998 SOIL DISTURBANCE DATA FORM Libby - Done Creek Salvage Unit 38 56403044/56403047 DATE_6/ CUTTING METHOD_ uennen/Crawy SKIDDING METHOD forwar OBSERVER DISTRICT_L HAZARD ABATEMENT Solverge SILVICULTURAL Son. Selv / CC w/reserve sale DOPERATION PERIOD (COMPACTION(Heavy) ____ COMPACTION (Light) UNDISTURBED DISPLACED EXCAVATED SKID TRAIL SMZ/ROCK . COMMENTS _

Shape of Unit and Pattern of Transect