Cruise Narrative

Sale Name:	Ridge Wire	**Region:**	Northwest
App. #:	74857	**District:**	Cascade
Lead cruiser:	P.Kirner	**Completion date:**	3-11-04
Other cruisers on sale:	J.Past		

Unit acreage specifications:

Unit #	Cruised acres	Cruised acres agree with sale acres? Yes/No	If acres do not agree explain why.
1	90.6	yes	
Total	90.6		

Unit cruise specifications:

Unit #	Sample type (VP, FP, ITS,100%)	Expansion factor (BAF, full/ half)	Sighting height (4.5 ft, 16 ft.)	Grid size (Plot spacing or % of area)	Plot ratio (cruise: count)	Total number of plots
1	V.P.	54.45 F	4.5 ft	400 x 200	1 to 1	49

Sale/Cruise Description:

Minor species cruise intensity:	Minor species were cruised on cruise plots only.					
Minimum cruise spec:	8 inch D.B.H 5 inch tops 16 foot logs larger trees were cruised to 40% of form point					
Avg ring count by sp:	**DF** =	9-10	**WH** =	10	**SS** =	
Leave/take tree description:	Scattered throughout the sale area, are 8 blue painted trees per acre. There are two leave tree areas bounded by yellow "Leave Tree Area" tags. These areas are in the central east and southeast area of the unit.					
Other conditions						

Field observations:

This is a 75-year-old stand of timber with a major specie of D.Fir. The stand also contains smaller components of W.Hemlock, Red Alder, Red Cedar and Maple. The sale was a pervious pole sale harvested approximately 5 years ago. As a result, most all the roads have been built to access the unit. There are also many skid trails in place from the prior harvest. The sale area topography is flat to rolling. About 25% of the Fir volume is a smaller, clean, tight-grained log. The Alder has a good quality mix of sawtimber.

Grants: 100% 01_____ _____ _____ _____ _____

Prepared by: P.Kirner

Title: Check Cruiser 1

CC:

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T28N R08E S21 Ty0001 90.60

Project: **RIDGWIRE**

Acres **90.60**

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Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DF	D	SM		19		3,942	3,942	357				100			100		32	472	2.95	8.4
DF	D	2S		29	1.6	6,057	5,957	540		9	67	23			100		32	238	1.52	25.0
DF	D	3S		23	.5	4,587	4,564	414	3	96	2		0	5	95		31	79	0.60	57.6
DF	D	4S		4	10.5	907	812	74	75	25			44	20	37		19	18	0.28	45.1
DF	D	MP		25	.4	5,113	5,093	461		27	73				100		32	155	1.16	32.8
DF	**Totals**			60	1.2	20,605	20,368	1,845	4	32	38	26	2	2	96		28	121	0.95	168.8
WH	D	2S		8	36.4	759	483	44			29	71			100		32	210	1.94	2.3
WH	D	3S		71	1.1	4,136	4,090	371		80	20				100		32	85	0.64	47.9
WH	D	4S		21	6.6	1,288	1,202	109	100				5	63	32		25	24	0.24	50.5
WH	**Totals**			17	6.6	6,182	5,775	523	21	56	17	6	1	13	86		29	57	0.50	100.7
RC	D	3S		81	6.9	2,390	2,225	202	1	47	42	11		1	99		32	110	1.21	20.3
RC	D	4S		19		491	491	44	58	42			32	7	61		20	23	0.39	21.3
RC	**Totals**			8	5.7	2,881	2,716	246	12	46	34	9	6	2	92		25	65	0.89	41.6
RA	D	2S		25	1.7	1,251	1,230	111			100				100		32	176	1.31	7.0
RA	D	3S		31	2.0	1,521	1,491	135		84	16				100		32	110	0.88	13.6
RA	D	4S		44	5.0	2,224	2,113	191	28	72			8	15	77		27	41	0.40	51.5
RA	**Totals**			14	3.2	4,997	4,835	438	12	57	30		4	7	90		28	67	0.60	72.1
BM	D	3S		76	50.0	104	52	5			100				100		32	160	2.53	.3
BM	D	4S		24	44.4	29	16	1		100					100		32	50	0.91	.3
BM	**Totals**			0	48.8	134	68	6		24	76				100		32	105	1.72	.7
Totals					3.0	34,799	33,762	3,059	8	41	33	18	2	4	93		28	88	0.76	383.9

TC PSTATS

PROJECT STATISTICS

PROJECT RIDGWIRE

DATE 4/5/2004

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
28N	08E	21	RIDGEWIRE	0001	90.60	49	205	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	49	205	4.2		
CRUISE	25	101	4.0	15,416	.7
DBH COUNT					
REFOREST COUNT	23	104	4.5		
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	52	62.8	18.3	84	27	114.5	20,605	20,368	4,545	4,545
WHEMLOCK	12	51.6	12.4	67	9	43.3	6,182	5,775	1,427	1,425
R ALDER	18	32.1	14.5	71		36.7	4,997	4,835	1,232	1,233
WR CEDAR	18	23.3	15.9	56		32.2	2,881	2,716	940	941
BL MAPLE	1	.3	25.0	70		1.1	134	68	36	36
TOTAL	*101*	*170.2*	*15.7*	*72*		*227.8*	*34,799*	*33,762*	*8,181*	*8,180*

SD: 1	COEFF VAR.	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
			SAMPLE TREES - BF					
DOUG FIR	134.9	13.4	226	261	296			
WHEMLOCK	339.6	33.8	13	19	25			
R ALDER	239.1	23.8	24	31	39			
WR CEDAR	291.4	29.0	27	39	50			
BL MAPLE	1005.0	100.0		2	4			
TOTAL	*86.8*	*8.6*	*321*	*352*	*382*	*302*	*154*	*75*

SD: 1	COEFF VAR.	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
			TREES/ACRE					
DOUG FIR	100.0	14.3	54	63	72			
WHEMLOCK	144.9	20.7	41	52	62			
R ALDER	160.3	22.9	25	32	39			
WR CEDAR	234.7	33.5	15	23	31			
BL MAPLE	700.0	100.0		0	1			
TOTAL	*52.0*	*7.4*	*158*	*170*	*183*	*108*	*55*	*27*

SD: 1	COEFF VAR.	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
			BASAL AREA/ACRE					
DOUG FIR	94.8	13.5	99	114	130			
WHEMLOCK	140.4	20.1	35	43	52			
R ALDER	158.6	22.7	28	37	45			
WR CEDAR	217.9	31.1	22	32	42			
BL MAPLE	700.0	100.0		1	2			
TOTAL	*42.7*	*6.1*	*214*	*228*	*242*	*73*	*37*	*18*

SD: 1	COEFF VAR.	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
			NET BF/ACRE					
DOUG FIR	98.3	14.0	17,507	20,368	23,228			
WHEMLOCK	140.4	20.1	4,617	5,775	6,934			
R ALDER	162.0	23.1	3,716	4,835	5,954			
WR CEDAR	223.2	31.9	1,850	2,716	3,582			
BL MAPLE	700.0	100.0	0	68	137			
TOTAL	*49.4*	*7.1*	*31,381*	*33,762*	*36,142*	*97*	*50*	*24*

TC PLOGSTVB

Log Stock Table - MBF

T28N R08E S21 Ty0001 90.60

Project: RIDGWIRE
Acres 90.60

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Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3 4-5	6-7 8-9	10-11 12-13	14-15 16-17	18-19 20-21	22-23 24+
DF		D	SM	32	357		357	19.4				70	186 48	53
DF		D	2S	32	549	1.6	540	29.2			50 85	247 77	57 24	
DF		D	3S	20	2	33.3	1	.1		1				
DF		D	3S	23	8		8	.4		8				
DF		D	3S	25	2		2	.1		2				
DF		D	3S	27	3	14.3	2	.1		2				
DF		D	3S	29	3		3	.2	3					
DF		D	3S	30	3		3	.2		3				
DF		D	3S	32	394		393	21.3	8	84 87	208 7			
DF		D	4S	8	1		1	.0		1				
DF		D	4S	9	1		1	.0		1				
DF		D	4S	10	4		4	.2		2 2				
DF		D	4S	11	1		1	.1	1					
DF		D	4S	12	3		3	.2		1 2				
DF		D	4S	13	8		8	.4	6	2				
DF		D	4S	15	1		1	.1		1				
DF		D	4S	17	5	9.5	4	.2	3	1				
DF		D	4S	19	3		3	.1	3					
DF		D	4S	20	7		7	.4	7					
DF		D	4S	23	3		3	.1	3					
DF		D	4S	25	3		3	.2	3					
DF		D	4S	28	6		6	.3	3	2				
DF		D	4S	29	3		3	.2	3					
DF		D	4S	31	14	33.3	9	.5	9					
DF		D	4S	32	22	16.9	18	1.0	14	4				
DF		D	MP	32	463		461	25.0		18 15	92 192	144		
DF		Totals			1,867	1.2	1,845	60.3	66	129 112	350 284	390 148	243 72	53
WH		D	2S	32	69	36.4	44	8.4				12	31	
WH		D	3S	32	375	1.1	371	70.8		61 169	66 75			
WH		D	4S	8	5		5	.9	5					
WH		D	4S	21	12		12	2.3	12					
WH		D	4S	23	9		9	1.8	9					
WH		D	4S	24	12		12	2.4	12					
WH		D	4S	25	12		12	2.4	12					
WH		D	4S	28	7		7	1.3	7					
WH		D	4S	29	12	33.3	8	1.6	8					
WH		D	4S	30	7		7	1.3	7					
WH		D	4S	32	39	9.2	35	6.7	35					
WH		Totals			560	6.6	523	17.1	109	61 169	66 75	12	31	
RC		D	3S	25	3		3	1.1	3					
RC		D	3S	32	214	7.0	199	80.8		40 28	26 23	36 25	11 11	
RC		D	4S	8	0		0	.2		0				
RC		D	4S	10	1		1	.4	1					
RC		D	4S	11	4		4	1.7	4					
RC		D	4S	13	1		1	.5		1				
RC		D	4S	14	2		2	.9		1 1				
RC		D	4S	16	3		3	1.2	3					
RC		D	4S	19	1		1	.6		1				

TC PLOGSTVB

Log Stock Table - MBF

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Project: RIDGWIRE
Acres 90.60

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Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3 4-5	6-7 8-9	10-11 12-13	14-15 16-17	18-19 20-21	22-23 24+
RC		D	4S	20	1		1	.4		1				
RC		D	4S	24	3		3	1.3	3					
RC		D	4S	31	7		7	3.0	7					
RC		D	4S	32	20		20	8.0	7	12				
RC		Totals			261	5.7	246	8.0	29	56 30	26 23	36 25	11 11	
RA		D	2S	32	113	1.7	111	25.4			92	19		
RA		D	3S	32	138	2.0	135	30.8		59	55 21			
RA		D	4S	11	1		1	.3	1					
RA		D	4S	13	1		1	.3	1					
RA		D	4S	16	6		6	1.3	6					
RA		D	4S	17	6	50.0	3	.6	3					
RA		D	4S	19	5		5	1.1	5					
RA		D	4S	23	4	50.0	2	.5	2					
RA		D	4S	24	5	33.3	3	.8	3					
RA		D	4S	27	13	15.3	11	2.5	11					
RA		D	4S	28	5		5	1.2	5					
RA		D	4S	29	7		7	1.6	7					
RA		D	4S	32	148		147	33.5	9	49 88				
RA		Totals			453	3.2	438	14.3	54	49 147	55 113	19		
BM		D	3S	32	9	50.0	5	76.2				5		
BM		D	4S	32	3	44.4	1	23.8		1				
BM		Totals			12	48.8	6	.2		1		5		
Total		All Species			3,153	3.0	3,059	100.0	257	295 460	497 494	459 177	284 83	53

TC PLOGSTVT

Project Log Stock Table - TONS

T28N R08E S21 Ty0001 90.60

Project: **RIDGWIRE**
Acres **90.60**

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Spp	ST	Sort	Grade	Log Len	TONS	% Spc	Tons by Scaling Diameter in Inches 2-4	5-7	8-9	10-11	12-13	14-15	16-17	18-19	20-21	22-23	24-99	0+
DF		D	SM	32	2,037	17.4							410	1082	274	271		2037
DF		D	2S	32	3,146	26.8				299	549	1447	419	298	134			3146
DF		D	3S	20	15	.1		15										15
DF		D	3S	23	66	.6		66										66
DF		D	3S	25	25	.2		25										25
DF		D	3S	27	22	.2			22									22
DF		D	3S	29	29	.2		29										29
DF		D	3S	30	31	.3		31										31
DF		D	3S	32	2,599	22.1		678	639	1238	44							2599
DF		D	4S															
DF		D	4S	8	5	.0			5									5
DF		D	4S	9	6	.1			6									6
DF		D	4S	10	25	.2		12	13									25
DF		D	4S	11	7	.1		7										7
DF		D	4S	12	24	.2		8	16									24
DF		D	4S	13	50	.4		50										50
DF		D	4S	15	11	.1			11									11
DF		D	4S	17	27	.2		16	11									27
DF		D	4S	19	17	.1		17										17
DF		D	4S	20	35	.3		35										35
DF		D	4S	23	20	.2		20										20
DF		D	4S	25	21	.2		21										21
DF		D	4S	28	54	.5		54										54
DF		D	4S	29	29	.2		29										29
DF		D	4S	31	115	1.0		115										115
DF		D	4S	32	177	1.5		177										177
DF		D	M	32	3,145	26.8		124	125	639	1317	940						3145
DF		Totals			11,737	55.8		1528	849	2176	1910	2386	829	1380	408	271		11737
WH		D	2S	32	413	10.0						151		262				413
WH		D	3S	32	2,835	68.6		467	1351	493	524							2835
WH		D	4S	8	21	.5		21										21
WH		D	4S	21	81	2.0		81										81
WH		D	4S	23	84	2.0		84										84
WH		D	4S	24	78	1.9		78										78
WH		D	4S	25	81	2.0		81										81
WH		D	4S	28	61	1.5		61										61
WH		D	4S	29	94	2.3		94										94
WH		D	4S	30	90	2.2		90										90
WH		D	4S	32	299	7.2		299										299
WH		Totals			4,136	19.7		1355	1351	493	524	151		262				4136
RC		D	3S	25	18	.9		18										18
RC		D	3S	32	1,633	81.6		362	244	189	160	286	196	98	99			1633
RC		D	4S															
RC		D	4S	8	3	.2		3										3
RC		D	4S	10	6	.3		6										6
RC		D	4S	11	18	.9		18										18
RC		D	4S	13	5	.3		5										5
RC		D	4S	14	13	.7		7	6									13
RC		D	4S	16	12	.6		12										12

TC PLOGSTVT

Project Log Stock Table - TONS

T28N R08E S21 Ty0001 90.60

Project: **RIDGWIRE**
Acres **90.60**

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Spp	ST	Sort	Grade	Log Len	TONS	% Spc	Tons by Scaling Diameter in Inches 2-4	5-7	8-9	10-11	12-13	14-15	16-17	18-19	20-21	22-23	24-99	0+
RC		D	4S	19	9	.4			9									9
RC		D	4S	20	9	.4		9										9
RC		D	4S	24	17	.8		17										17
RC		D	4S	31	83	4.1		83										83
RC		D	4S	32	176	8.8		176										176
RC		Totals			2,002	9.5		716	259	189	160	286	196	98	99			2002
RA		D	2S	32	729	23.7					608	121						729
RA		D	3S	32	953	31.1			470	357	127							953
RA		D	4S	11	8	.3		8										8
RA		D	4S	13	11	.4		11										11
RA		D	4S	16	25	.8		25										25
RA		D	4S	17	26	.9		26										26
RA		D	4S	19	30	1.0		30										30
RA		D	4S	23	41	1.3		41										41
RA		D	4S	24	33	1.1		33										33
RA		D	4S	27	78	2.6		78										78
RA		D	4S	28	38	1.3		38										38
RA		D	4S	29	45	1.5		45										45
RA		D	4S	32	1,052	34.3		419	632									1052
RA		Totals			3,070	14.6		756	1102	357	735	121						3070
BM		D	3S	32	64	73.4							64					64
BM		D	4S	32	23	26.6			23									23
BM		Totals			87	.4			23				64					87
Total		All Species			21,031	100.0		4354	3585	3216	3328	2944	1088	1740	507	271		21031