



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Shorn Sheep Salvage
Sale 341-09-29

District: Astoria

Date: June 13, 2008

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$356,456.89	\$0.00	\$356,456.89
		Project Work:	\$0.00
		Advertised Value:	\$356,456.89



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Date: June 13, 2008

timber description

Location: Portions of Section 30, T4N, R6W, and portions of Sections 13, 14, 15, 21, 22, 23, 24, and 25, T4N, R7W, W.M., Clatsop County, Oregon.

Stand Stocking: 60%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	21	0	95
Western Hemlock / Fir	20	0	93

Volume by Grade	2S	3S	4S	Total
Douglas - Fir	691	838	134	1,663
Western Hemlock / Fir	470	790	279	1,539
Total	1,161	1,628	413	3,202



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comments: Pond Values Used: 1st Quarter Calendar Year 2008.

Anticipated Log Markets: Clatskanie, Mist, and Tillamook, OR and Longview, WA

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost
 $\$700/\text{MBF} = \$1,050/\text{MBF} - \$350/\text{MBF}$

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost
 $\$350/\text{MBF} = \$645/\text{MBF} - \$295/\text{MBF}$

HAULING

Hauling costs equivalent to \$700 daily truck cost.

Other Costs (with Profit and Risk to be added):

100% Branding and Painting: $\$1/\text{MBF} \times 3,202 \text{ MBF} = \$3,202$

Additional Felling & Bucking Costs: $\$30/\text{MBF} \times 3,202 \text{ MBF} = \$96,060$

TOTAL Other Costs (with Profit and Risk to be added) = \$99,262

Other Costs (No Profit and Risk added):

Slash Piling with Log Loader:

43.6 hours \times \$120/hour = \$5,232

Mobilization (\$945) \times 2 = \$1,890

Additional Slash Piling at Cable Landings:

6 Landings \times 3 hours/landing \times \$87.50/hour = \$1,575

TOTAL Other Costs (No Profit and Risk added) = \$8,697



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logging conditions

combination#: 1 Douglas - Fir 40.00%
Western Hemlock / Fir 40.00%

yarding distance: Medium (800 ft) **downhill yarding:** No
logging system: Cable: Small Tower <=40 **Process:** Stroke Delimber
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 5.0 **bd. ft / load:** 4,800
cost / mbf: \$118.09

machines: Log Loader (A)
Stroke Delimber (A)
Tower Yarder (Small)

combination#: 2 Douglas - Fir 60.00%
Western Hemlock / Fir 60.00%

yarding distance: Short (400 ft) **downhill yarding:** No
logging system: Shovel **Process:** Manual Delimbing
tree size: Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 5.0 **bd. ft / load:** 4,800
cost / mbf: \$104.36

machines: Shovel Logger



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logging costs

Operating Seasons:	2.00	Profit Risk:	20.00%
Project Costs:	\$0.00	Other Costs (P/R):	\$99,262.00
Slash Disposal:	\$0.00	Other Costs:	\$8,697.00

Miles of Road

Road Maintenance: \$4.94

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	4.5
Western Hemlock / Fir	\$0.00	3.0	3.5



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logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$109.85	\$5.19	\$2.74	\$45.37	\$31.00	\$38.83	\$0.00	\$2.00	\$2.72	\$237.70
Western Hemlock / Fir									
\$109.85	\$5.29	\$2.74	\$59.45	\$31.00	\$41.67	\$0.00	\$2.00	\$2.72	\$254.72

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$403.34	\$165.64	\$0.00
Western Hemlock / Fir	\$0.00	\$307.35	\$52.63	\$0.00



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summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,663	\$165.64	\$275,459.32
Western Hemlock / Fir	1,539	\$52.63	\$80,997.57

Gross Timber Sale Value

Recovery: \$356,456.89

Prepared by: Peter Stone

Phone: 503-325-5451

TIMBER CRUISE REPORT

Shorn Sheep Salvage FY 2009

1. **Sale Area Location:** Area 1 - Roadside Salvage is located in portions of Sections 30, T4N, R6W and portions of Sections 13-15, 21-25, T4N, R7W, W.M., Clatsop County, Oregon.
Areas 2 and 3 - (Sheep Shack) is located in portions of Section 25, T4N, R7W, W.M., Clatsop County, Oregon.
Areas 4-9, 11-13 - (Spruced Up Combination) is located in portions of Sections 22, 23, 24, T4N, R7W, W.M., Clatsop County, Oregon.
Area 10 - (Quartz Thinning) is located in portions of Sections 15 and 22, T4N, R7W, W.M., Clatsop County, Oregon.

2. **Fund Distribution:** BOF = 100% Tax Code = 8-01 (100%)

3. **Sale Acreage and Treatments by Area:**

Area	Original Sale Name	Harvest Type	MC Acres	Scattered Acres	Survey Method
1	N/A	Roadside	N/A	N/A	GIS
2	Sheep Shack	Scattered	N/A	4	GIS
3	Sheep Shack	Modified Clearcut	48	N/A	GIS
4	Spruced Up Combination	Modified Clearcut	20	N/A	GIS
5	Spruced Up Combination	Modified Clearcut	14	N/A	GIS
6	Spruced Up Combination	Scattered	N/A	25	GIS
7	Spruced Up Combination	Scattered	N/A	17	GIS
8	Spruced Up Combination	Scattered	N/A	9	GIS
9	Spruced Up Combination	Modified Clearcut	36	N/A	GIS
10	Quartz Creek Combination	Modified Clearcut	11	N/A	GIS
11	Spruced Up Combination	Scattered	N/A	6	GIS
12	Spruced Up Combination	Scattered	N/A	1	GIS
13	Spruced Up Combination	Scattered	N/A	4	GIS
TOTAL			129	66	

4. **Cruise Method and Computations:** All volume results were derived from data collected for the Sheep Shack, Quartz Creek Combination, and Spruced Up Combination timber sales and roadside tally.

Based on field evaluations, the following percentage adjustments were applied:

Area 1 (Roadside Salvage): Counted number of whole trees and calculated volume using original leave stand from Quartz Creek Combination.

Areas 2, 6-8, and 11-14 (Scattered Salvage): Estimated that approximately 35% of the existing volume from the original "leave" stand cruise will be removed from Scattered Salvage areas.

Areas 3-5, 9, and 10 (Modified Clearcuts): Estimated that approximately 80% of the existing volume from the original "leave" stand cruise will be removed.

The cruise calculations were processed in the Astoria District office. The field cruise volumes were then evaluated and reviewed to calculate a per acre and sale volume. Percentages were used from the cruise for species and grades to establish the total sale volume.

5. **Timber Description:** All areas have been thinned within the last eight years. The timber type is predominately Douglas-fir and western hemlock with scattered mixed conifers approximately 50-65 years old. Average tree DBH ranges are from 17" to 24". There is a mix of scattered blowdown and concentrated patches of blowdown.

Area 1 is a roadside salvage harvesting only those trees blown down and those that are root sprung (leaning) within 100' of existing roads. A portion of this volume has been removed from the road prism and is decked adjacent to the existing roads.

Areas 2, 6-8, and 11-14 will be salvage logged, harvesting only those trees blown down and those that are root sprung (leaning more than 10 degrees).

Areas 3-5, 9, and 10 are areas where most of the trees have blown down, and will be logged to salvage the downed trees and most of the remaining standing trees. Five wildlife trees per acre will be selected by PURCHASER and approved by STATE.

6. **Statistical Analysis and Stand Summary:** A statistical analysis was not calculated. Stand Volume Reports are attached.
7. **Volumes by Species and Sale Areas:** Some calculated volumes include "in-growth". The total net MBF volumes by species and grade are as follows:

Species	DBH	Net. Vol.	2 Saw	3 Saw	4 Saw	Sale%
Douglas-fir	21"	1,663	691	838	134	52
W. Hemlock / True Fir	20"	1,539	470	790	279	48
Totals		3,202				

The cruise volume for the modified clearcuts was reduced by an estimated 20 percent for defect, breakage, snags, and wildlife trees that will be left. Salvage volume breakdowns were derived based on percentages of cruised volumes from Quartz Creek Combination, Spruced Up Combination, and Sheep Shack timber sales.

8. **Approvals:** 

Prepared by: Peter Stone

Date: May 16, 2008

9. **Attachments:**

Leave Tree Volumes (11 pages)

Quartz Creek Combination

TC TSTATS		STATISTICS						PAGE		
J. Long		PROJECT QUARTZ						DATE 4/11/2001		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES			
4N	7W	13	A-1&3&4	LEAV	774.00	82	126			
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL		82	385	4.7						
CRUISE		28	126	4.5	52,727	.2				
REFOREST										
COUNT		54	259	4.8						
BLANKS										
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
DOUGLEAV	80	38.7	21.4	74		97.1	14,320	14,077	3,695	3,695
HEMLEAV	19	13.5	18.6	69		25.4	3,716	3,716	988	988
NFIRLEAV	11	5.9	22.2	79	4	16.0	2,776	2,764	661	661
SN	13	5.4	19.4	39		11.1	231	231	71	71
ALDRLEAV	1	3.2	20.0	48		7.0	607	607	195	195
NOB FIR	1	.6	16.0	50	0	.8	88	88	22	22
CEDLEAV	1	.8	10.0	17		.4	15	15	5	5
TOTAL	126	68.1	20.6	68		157.8	21,752	21,497	5,638	5,638
SD: 1	COEFF VAR. %	S.E. %	TREES/ACRE			# OF PLOTS REQ.		INF. POP.		
			LOW	AVG	HIGH	5	10			12
DOUGLEAV	50.3	5.6	37	39	41					
HEMLEAV	146.4	16.2	11	14	16					
NFIRLEAV	143.3	15.8	5	6	7					
SN	241.6	26.7	4	5	7					
ALDRLEAV	377.0	41.6	2	3	5					
NOB FIR	636.3	70.3	0	1	1					
CEDLEAV	905.5	100.0		1	2					
TOTAL	34.3	3.8	66	68	71	47	12			8
SD: 1	COEFF VAR. %	S.E. %	BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.		
			LOW	AVG	HIGH	5	10			12
DOUGLEAV	45.2	5.0	92	97	102					
HEMLEAV	144.8	16.0	21	25	29					
NFIRLEAV	137.1	15.1	14	16	18					
SN	224.1	24.7	8	11	14					
ALDRLEAV	377.0	41.6	4	7	10					
NOB FIR	636.3	70.3	0	1	1					
CEDLEAV	905.5	100.0	0	0	1					
TOTAL	24.5	2.7	154	158	162	24	6			4
SD: 1	COEFF VAR. %	S.E. %	NET BF/ACRE			# OF PLOTS REQ.		INF. POP.		
			LOW	AVG	HIGH	5	10			12
DOUGLEAV	48.3	5.3	13,325	14,077	14,828					
HEMLEAV	148.6	16.4	3,106	3,716	4,326					
NFIRLEAV	138.3	15.3	2,342	2,764	3,186					
SN	292.1	32.3	156	231	305					
ALDRLEAV	377.0	41.6	354	607	859					
NOB FIR	636.3	70.3	26	88	150					
CEDLEAV	905.5	100.0	0	15	30					
TOTAL	23.1	2.5	20,949	21,497	22,045	21	5			4

Quartz Creek Combination

TC TSTATS				STATISTICS				PAGE 5		
J. Long				PROJECT QUARTZ				DATE 4/11/2001		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES			
4N	7W	23	A2LEAVE	LEAV	173.00	25	47			
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		25	106	4.2						
CRUISE		12	47	3.9	9,712		.5			
REFOREST										
COUNT		13	59	4.5						
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUGLEAV	33	31.4	22.6	84		87.4	15,073	15,043	3,664	3,664
NFIRLEAV	6	9.3	20.6	78	5	21.5	3,858	3,858	887	887
SN	3	6.5	21.3	33		16.1	1,007	1,007	307	307
HEMLEAV	4	4.1	20.5	75		9.4	1,557	1,557	396	396
ALDRLEAV	1	4.8	16.0	55		6.7	722	722	212	212
TOTAL	47	56.1	21.5	74		141.2	22,217	22,187	5,466	5,466
SD: 1		COEFF	TREES/ACRE			# OF PLOTS REQ.		INF. POP.		
		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	12	
DOUGLEAV		50.3	10.1	28	31	35				
NFIRLEAV		122.0	24.4	7	9	12				
SN		200.7	40.1	4	7	9				
HEMLEAV		208.0	41.6	2	4	6				
ALDRLEAV		322.7	64.5	2	5	8				
TOTAL		42.9	8.6	51	56	61	74	18		13
SD: 1		COEFF	BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.		
		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	12	
DOUGLEAV		36.8	7.4	81	87	94				
NFIRLEAV		118.3	23.7	16	22	27				
SN		200.5	40.1	10	16	23				
HEMLEAV		193.4	38.7	6	9	13				
ALDRLEAV		322.7	64.5	2	7	11				
TOTAL		31.5	6.3	132	141	150	40	10		7
SD: 1		COEFF	NET BF/ACRE			# OF PLOTS REQ.		INF. POP.		
		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	12	
DOUGLEAV		38.0	7.6	13,900	15,043	16,185				
NFIRLEAV		119.3	23.9	2,938	3,858	4,779				
SN		205.2	41.0	593	1,007	1,420				
HEMLEAV		194.3	38.9	952	1,557	2,163				
ALDRLEAV		322.7	64.5	256	722	1,188				
TOTAL		21.7	4.3	21,223	22,187	23,150	19	5		3

Quartz Creek Combination

Attachment D

TC TSTNDSUM

Stand Table Summary

J. Long

Project QUARTZ

Page 1 of 3

T4N R7W S13 TLEAV

T4N R7W S13 TLEAV

Twp Rge Sec Tract Type Acres Plots Sample Trees
4N 7W 13 A-1&3&4 LEAV 774.00 82 126

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S	Sample DBH	FF	Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft.	Net Bd.Ft.	Totals Tons	Cunits	MBF
Spec	T	16	Tot											
DL	12	2	87	51	3.092	2.43	3.09	15.5	50.0	48	155	371	120	
DL	14	1	81	62	1.136	1.21	1.14	15.0	50.0	17	57	132	44	
DL	15	4	86	89	3.958	4.86	7.92	20.5	73.8	162	584	1,256	452	
DL	16	3	83	101	2.609	3.64	6.96	19.7	73.7	137	513	1,064	397	
DL	17	1	89	119	.770	1.21	2.31	23.7	93.3	55	216	423	167	
DL	18	5	85	98	3.436	6.07	7.56	30.4	108.2	230	818	1,776	633	
DL	19	4	88	103	2.467	4.86	5.55	35.0	123.3	194	685	1,504	530	
DL	20	3	87	101	1.670	3.64	3.90	38.3	138.6	149	540	1,155	418	
DL	21	5	85	99	2.524	6.07	5.55	43.2	151.8	240	843	1,856	653	
DL	22	7	84	100	3.220	8.50	8.28	39.0	147.2	323	1,219	2,499	943	
DL	23	4	86	103	1.683	4.86	3.79	52.1	188.9	197	715	1,528	554	
DL	24	4	81	91	1.546	4.86	3.09	56.1	188.8	174	584	1,343	452	
DL	25	3	82	104	1.069	3.64	2.49	56.7	205.7	141	513	1,095	397	
DL	26	7	86	95	2.305	8.50	5.27	61.1	238.7	322	1,258	2,490	974	
DL	27	7	86	96	2.138	8.50	4.89	64.9	261.9	317	1,280	2,454	990	
DL	28	9	83	116	2.556	10.93	7.38	60.8	252.3	449	1,863	3,477	1,442	
DL	29	2	82	122	.529	2.43	1.85	57.6	247.1	107	458	826	354	
DL	30	2	84	123	.495	2.43	1.48	74.8	340.0	111	505	860	391	
DL	31	4	82	110	.927	4.86	2.55	72.8	301.8	186	769	1,436	595	
DL	32	2	77	100	.435	2.43	1.09	82.0	290.0	89	315	690	244	
DL	36	1	84	97	.172	1.21	.34	136.5	550.0	47	189	363	146	
DL	Totals	80	85	95	38.736	97.14	86.48	42.7	162.8	3,695	14,077	28,597	10,895	
HL	13	1	89	77	1.451	1.34	2.90	15.5	55.0	45	160	348	124	
HL	15	1	83	79	1.090	1.34	2.18	21.5	70.0	47	153	363	118	
HL	16	2	86	88	1.916	2.67	3.83	26.0	97.5	100	374	771	289	
HL	17	2	83	94	1.697	2.67	3.39	29.5	102.5	100	348	775	269	
HL	18	2	86	98	1.514	2.67	3.03	36.8	125.0	111	378	861	293	
HL	19	4	87	85	2.754	5.35	5.51	36.7	125.9	202	694	1,563	537	
HL	20	1	89	100	.613	1.34	1.23	50.0	180.0	61	221	475	171	
HL	23	1	82	65	.464	1.34	.93	40.5	145.0	38	134	291	104	
HL	24	4	88	96	1.703	5.35	4.68	49.1	209.1	230	979	1,779	758	
HL	27	1	91	89	.336	1.34	1.01	54.3	273.3	55	276	424	213	
HL	Totals	19	86	88	13.538	25.41	28.69	34.5	129.5	988	3,716	7,650	2,876	
NFL	15	1	88	94	1.184	1.45	2.37	24.0	90.0	57	213	440	165	
NFL	16	1	88	99	1.041	1.45	3.12	19.3	76.7	60	239	467	185	
NFL	21	1	81	99	.604	1.45	1.81	31.0	113.3	56	205	435	159	
NFL	22	1	92	81	.550	1.45	1.10	43.5	170.0	48	187	371	145	
NFL	24	1	86	99	.463	1.45	.93	63.5	235.0	59	217	455	168	
NFL	25	1	91	87	.426	1.45	.85	63.5	260.0	54	222	419	172	
NFL	26	2	86	113	.788	2.91	2.36	53.7	228.3	127	540	982	418	
NFL	28	1	82	106	.340	1.45	.68	81.5	325.0	55	221	429	171	
NFL	31	1	91	125	.277	1.45	.83	91.0	470.0	76	391	586	303	
NFL	32	1	87	121	.260	1.45	.78	88.7	420.0	69	328	536	254	
NFL	Totals	11	87	100	5.934	15.99	14.84	44.6	186.3	661	2,764	5,119	2,139	
AL	20	1	86	56	3.194	6.97	6.39	30.5	95.0	195	607	1,508	470	
AL	Totals	1	86	56	3.194	6.97	6.39	30.5	95.0	195	607	1,508	470	
SN	10	1	80	39	1.561	.85								
SN	15	3	84	93	2.081	2.55	.69	36.0	150.0	25	104	193	81	
SN	16	1	76	17	.610	.85	.61	16.0	50.0	10	30	76	24	

Quartz Creek Combination

TC TSTNDSUM									
J. Long									
Stand Table Summary									
Project QUARTZ									
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T4N R7W S13 TLEAV									
T4N R7W S13 TLEAV									
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Date: 4/11/01									
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Twp Rge Sec Tract Type Acres Plots Sample Trees									
4N 7W 13 A-1&3&4 LEAV 774.00 82 126									
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Quartz Creek Combination Stand Table Summary

TC TSTNDSUM

J. Long

Project QUARTZ

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T4N R7W S23 TLEAV

T4N R7W S23 TLEAV

Twp Rge Sec Tract
4N 7W 23 A2LEAVE

Type Acres Plots Sample Trees
LEAV 173.00 25 47

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Time: 1:32:59PM

S Spec	T	Sample FF Av			Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		DBH	Trees	Ht 16 Tot				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DL		17	4	88	104	6.720	10.59	15.12	28.1	104.4	425	1,379	735	273	
DL		18	2	86	101	2.997	5.30	5.99	34.5	117.5	207	704	358	122	
DL		19	1	88	105	1.345	2.65	2.69	41.5	150.0	112	403	193	70	
DL		20	1	86	95	1.214	2.65	2.43	41.5	150.0	101	364	174	63	
DL		21	2	87	105	2.202	5.30	6.61	32.8	136.7	217	903	375	156	
DL		22	3	88	98	3.009	7.94	7.02	44.4	168.6	312	1,184	540	205	
DL		23	3	85	111	2.753	7.94	8.26	40.0	164.4	330	1,358	572	235	
DL		24	3	85	104	2.529	7.94	6.74	46.9	186.2	316	1,256	547	217	
DL		26	5	87	111	3.591	13.24	10.77	52.4	230.0	565	2,478	977	429	
DL		28	3	85	120	1.858	7.94	5.57	63.2	273.3	352	1,523	610	264	
DL		29	3	85	135	1.732	7.94	5.20	77.7	350.0	404	1,819	698	315	
DL		31	2	84	117	1.010	5.30	3.03	71.0	325.0	215	985	372	170	
DL		33	1	82	116	.446	2.65	1.34	81.7	363.3	109	486	189	84	
DL		Totals	33	86	108	31.406	87.39	80.77	45.4	186.2	3,664	15,043	6,339	2,602	
NFL		16	1	91	89	2.568	3.59	5.14	26.0	100.0	134	514	231	89	
NFL		19	1	92	102	1.821	3.59	5.46	28.3	123.3	155	674	268	117	
NFL		20	1	91	91	1.643	3.59	3.29	39.5	145.0	130	477	225	82	
NFL		22	1	89	97	1.358	3.59	4.07	36.7	156.7	149	638	258	110	
NFL		23	1	92	96	1.243	3.59	3.73	39.7	186.7	148	696	256	120	
NFL		32	1	91	116	.642	3.59	1.93	89.0	446.7	171	860	297	149	
NFL		Totals	6	91	96	9.274	21.51	23.61	37.6	163.4	887	3,858	1,534	667	
HL		15	1	89	91	1.917	2.35	3.83	23.5	85.0	90	326	156	56	
HL		22	1	88	97	.891	2.35	1.78	56.5	215.0	101	383	174	66	
HL		23	1	88	97	.815	2.35	1.63	62.5	235.0	102	383	176	66	
HL		30	1	87	102	.479	2.35	1.44	71.7	323.3	103	465	178	80	
HL		Totals	4	88	95	4.103	9.41	8.69	45.6	179.3	396	1,557	685	269	
SN		20	1	85	59	2.465	5.38	4.93	30.0	105.0	148	518	256	90	
SN		22	2	75	36	4.074	10.76	4.07	39.0	120.0	159	489	275	85	
SN		Totals	3	79	44	6.539	16.13	9.00	34.1	111.8	307	1,007	531	174	
AL		16	1	87	65	4.814	6.72	9.63	22.0	75.0	212	722	366	125	
AL		Totals	1	87	65	4.814	6.72	9.63	22.0	75.0	212	722	366	125	
Totals			47	87	94	56.137	141.16	131.70	41.5	168.5	5466	22,187	9,455	3,838	

Areas 1, 1A, 3, 3'4 Leave

Sheep Shack

TC TSTATS				STATISTICS				PAGE			
PROJECT				SHEEP				DATE 10/26/2004			
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
04N	07W	25	134	PCHL	223.00	70	247	1	W		
				TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
		PLOTS	TREES								
TOTAL		70	247	3.5							
CRUISE		25	82	3.3							
DBH COUNT				10,689							
REFOREST				.8							
COUNT		45	162	3.6							
BLANKS											
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
DOUGLEAV		57	37.4	21.4	89		93.6	16,280	16,018	4,062	4,034
SFIRLEAV		19	5.5	24.9	103	3	18.7	4,436	4,225	957	917
SNAG		2	2.1	14.3	43		2.4	67		40	
HEMLEAV		1	.6	24.0	66		1.9	269	269	68	68
ALDRLEAV		2	1.4	13.9	38		1.4	146	146	42	42
CEDLEAV		1	.9	10.0	17		.5	26	26	7	7
TOTAL		82	47.9	21.3	85		118.6	21,225	20,685	5,176	5,068
SD: 1		COEFF VAR. %	S.E. %	SAMPLE TREES - BF			# OF TREES REQ.		INF. POP.		
				LOW	AVG	HIGH	5	10	15		
DOUGLEAV		88.2	9.7	309	342	375					
SFIRLEAV		210.5	23.2	158	206	254					
SNAG											
HEMLEAV		905.5	100.0		5	11					
ALDRLEAV		696.6	76.9	1	3	5					
CEDLEAV		905.5	100.0	0	0	1					
TOTAL		64.7	7.1	517	557	597	167	42		19	
SD: 1		COEFF VAR. %	S.E. %	TREES/ACRE			# OF PLOTS REQ.		INF. POP.		
				LOW	AVG	HIGH	5	10	15		
DOUGLEAV		41.3	4.9	36	37	39					
SFIRLEAV		162.7	19.4	4	6	7					
SNAG		377.3	45.1	1	2	3					
HEMLEAV		409.1	48.9	0	1	1					
ALDRLEAV		620.0	74.1	0	1	2					
CEDLEAV		836.7	100.0		1	2					
TOTAL		26.5	3.2	46	48	49	28	7		3	
SD: 1		COEFF VAR. %	S.E. %	BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.		
				LOW	AVG	HIGH	5	10	15		
DOUGLEAV		39.6	4.7	89	94	98					
SFIRLEAV		166.4	19.9	15	19	22					
SNAG		363.2	43.4	1	2	3					
HEMLEAV		409.1	48.9	1	2	3					
ALDRLEAV		620.0	74.1	0	1	3					
CEDLEAV		836.7	100.0	0	0	1					
TOTAL		15.8	1.9	116	119	121	10	2		1	
SD: 1		COEFF VAR. %	S.E. %	NET BF/ACRE			# OF PLOTS REQ.		INF. POP.		
				LOW	AVG	HIGH	5	10	15		
DOUGLEAV		39.9	4.8	15,255	16,018	16,782					
SFIRLEAV		173.1	20.7	3,351	4,225	5,099					
SNAG											
HEMLEAV		409.1	48.9	137	269	401					
ALDRLEAV		620.0	74.1	38	146	255					
CEDLEAV		836.7	100.0	0	26	53					
TOTAL		22.0	2.6	20,140	20,685	21,230	19	5		2	

Arcahly 4 Leave Sheep Shack

TC TSTNDSUM

Stand Table Summary

Project SHEEP

T04N R07W S25 TPCHL

T04N R07W S25

Twp Rge Sec Tract
04N 07W 25 134

Type Acres Plots Sample Trees
PCHL 223.00 70 82

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S Spc	T	Sample			Av Ht 16'	Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		DBH	Trees	FF						Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DL	14	1	84	121	1.537	1.64	3.07	24.0	90.0	74	277				164	62	
DL	15	1	85	92	1.339	1.64	2.68	21.5	80.0	58	214				128	48	
DL	16	1	107		1.176	1.64	2.35	27.0	105.0	64	247				142	55	
DL	17	3	88	110	3.126	4.93	8.34	24.7	93.8	206	782				460	174	
DL	18	2	86	108	1.859	3.29	4.65	28.6	106.0	133	493				296	110	
DL	19	5	87	117	4.171	8.21	10.85	33.6	125.4	365	1,360				813	303	
DL	20	5	87	112	3.765	8.21	9.79	36.2	133.8	355	1,310				791	292	
DL	21	3	88	108	2.049	4.93	4.78	43.7	162.9	209	779				466	174	
DL	22	7	87	120	4.356	11.50	11.20	46.6	186.1	521	2,085				1,163	465	
DL	23	7	87	115	3.985	11.50	10.82	47.3	192.1	512	2,078				1,141	463	
DL	24	7	85	113	3.660	11.50	9.93	49.5	198.9	492	1,976				1,097	441	
DL	25	6	85	112	2.891	9.86	6.26	55.9	230.0	350	1,441				781	321	
DL	26	3	86	120	1.337	4.93	4.01	56.6	238.9	227	958				506	214	
DL	27	2	86	129	.826	3.29	2.48	64.0	256.7	159	636				354	142	
DL	29	1	84	118	.358	1.64	1.07	68.0	273.3	73	294				163	65	
DL	30	1	82	120	.335	1.64	1.00	71.7	293.3	72	294				160	66	
DL	31	2	88	132	.627	3.29	1.88	88.3	423.3	166	796				370	178	
DL	Totals	57	87	114	37.396	93.63	95.16	42.4	168.3	4,034	16,018				8,997	3,572	
SFL	19	2	90	123	1.001	1.97	3.00	33.3	138.3	100	415				223	93	
SFL	21	1	89	132	.410	.99	1.23	43.7	193.3	54	238				120	53	
SFL	22	1	88	119	.373	.99	1.12	41.3	176.7	46	198				103	44	
SFL	23	2	92	120	.683	1.97	2.05	47.5	218.3	97	447				217	100	
SFL	24	2	88	118	.627	1.97	1.57	58.8	244.0	92	383				206	85	
SFL	25	2	88	130	.578	1.97	1.16	54.8	232.5	63	269				141	60	
SFL	26	1	88	129	.267	.99	.80	62.0	270.0	50	217				111	48	
SFL	27	3	91	130	.744	2.96	2.23	70.3	347.8	157	776				350	173	
SFL	31	1	92	122	.188	.99	.56	89.0	466.7	50	263				112	59	
SFL	32	3	91	131	.529	2.96	1.59	99.4	505.6	158	803				352	179	
SFL	37	1	86	129	.132	.99	.40	124.7	546.7	49	216				110	48	
SFL	Totals	19	90	125	5.533	18.73	15.71	58.4	269.0	917	4,225				2,045	942	
HL	24	1	88	79	.611	1.92	1.22	55.5	220.0	68	269				151	60	
HL	Totals	1	88	79	.611	1.92	1.22	55.5	220.0	68	269				151	60	
AL	12	1	87	66	.917	.72	.92	21.0	70.0	19	64				43	14	
AL	17	1	87	68	.457	.72	.91	25.0	90.0	23	82				51	18	
AL	Totals	2	87	67	1.374	1.44	1.83	23.0	80.0	42	146				94	33	
CL	10	1	83	20	.880	.48	.88	8.0	30.0	7	26				16	6	
CL	Totals	1	83	20	.880	.48	.88	8.0	30.0	7	26				16	6	
SN	12	1	82	48	1.528	1.20											
SN	19	1	80	30	.610	1.20											
SN	Totals	2	81	43	2.138	2.40											
Totals		82	87	109	47.933	118.60	114.81	44.1	180.2	5068	20,685				11,303	4,613	

Area 2 Leave Shepp Shack

TC TSTATS				STATISTICS		PAGE					
				PROJECT	SHEEP	DATE 10/26/2004					
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
04N	07W	25	2	PCLL	68.00	29	122	1	W		
				TREES	ESTIMATED	PERCENT					
				PER PLOT	TOTAL	SAMPLE					
					TREES	TREES					
				PLOTS	TREES						
TOTAL				29	122	4.2					
CRUISE				14	58	4.1	3,920	1.5			
DBH COUNT											
REFOREST											
COUNT				15	64	4.3					
BLANKS											
100 %											
STAND SUMMARY											
		SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
		TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUGLEAV		48	40.3	22.3	90		108.9	20,061	19,696	4,767	4,723
ALDRLEAV		5	9.9	16.0	44		13.9	1,391	1,371	397	393
HEMLEAV		2	5.0	19.5	90		10.4	1,907	1,835	484	484
SFIRLEAV		3	2.4	25.0	97	1	8.1	1,846	1,828	397	393
TOTAL		58	57.6	21.2	83		141.4	25,205	24,730	6,044	5,993
		COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.		
SD: 1		VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUGLEAV		66.1	8.7	427	468	509					
ALDRLEAV		344.9	45.3	7	12	18					
HEMLEAV		534.2	70.1	4	13	21					
SFIRLEAV		456.5	59.9	17	42	68					
TOTAL		50.4	6.6	500	535	570	102	25	11		
		COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1		VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUGLEAV		40.6	7.5	37	40	43					
ALDRLEAV		285.3	53.0	5	10	15					
HEMLEAV		174.5	32.4	3	5	7					
SFIRLEAV		213.2	39.6	1	2	3					
TOTAL		34.5	6.4	54	58	61	48	12	5		
		COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1		VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUGLEAV		32.6	6.1	102	109	116					
ALDRLEAV		285.3	53.0	7	14	21					
HEMLEAV		174.4	32.4	7	10	14					
SFIRLEAV		211.7	39.3	5	8	11					
TOTAL		13.3	2.5	138	141	145	7	2	1		
		COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1		VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUGLEAV		32.4	6.0	18,510	19,696	20,882					
ALDRLEAV		297.6	55.3	613	1,371	2,129					
HEMLEAV		174.5	32.4	1,241	1,835	2,429					
SFIRLEAV		212.4	39.4	1,107	1,828	2,548					
TOTAL		17.8	3.3	23,911	24,730	25,549	13	3	1		

Arcas, HA 3, 1/4 Leave

Sheep Shack

TC

TC TSTNDSUM

Stand Table Summary

Project SHEEP

T04N R07W S25 TPCHL

T04N R07W S25

Twp Rge Sec Tract
04N 07W 25 134

Type
PCHL

Acres
223.00

Plots
70

Sample Trees
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S Spec	T	Sample			Av FF Ht 16' Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		DBH	Trees						Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DL		14	1	84	121	1.537	1.64	3.07	24.0	90.0		74	277		164	62
DL		15	1	89	92	1.339	1.64	2.68	21.5	80.0		58	214		128	48
DL		16	1	87	107	1.176	1.64	2.35	27.0	105.0		64	247		142	55
DL		17	3	88	110	3.126	4.93	8.34	24.7	93.8		206	782		460	174
DL		18	2	86	108	1.859	3.29	4.65	28.6	106.0		133	493		296	110
DL		19	5	87	117	4.171	8.21	10.85	33.6	125.4		365	1,360		813	303
DL		20	5	87	112	3.765	8.21	9.79	36.2	133.8		355	1,310		791	292
DL		21	3	88	108	2.049	4.93	4.78	43.7	162.9		209	779		466	174
DL		22	7	87	120	4.356	11.50	11.20	46.6	186.1		521	2,085		1,163	465
DL		23	7	87	115	3.985	11.50	10.82	47.3	192.1		512	2,078		1,141	463
DL		24	7	85	113	3.660	11.50	9.93	49.5	198.9		492	1,976		1,097	441
DL		25	6	85	112	2.891	9.86	6.26	55.9	230.0		350	1,441		781	321
DL		26	3	86	120	1.337	4.93	4.01	56.6	238.9		227	958		506	214
DL		27	2	86	129	.826	3.29	2.48	64.0	256.7		159	636		354	142
DL		29	1	84	118	.358	1.64	1.07	68.0	273.3		73	294		163	65
DL		30	1	82	120	.335	1.64	1.00	71.7	293.3		72	294		160	66
DL		31	2	88	132	.627	3.29	1.88	88.3	423.3		166	796		370	178
DL	Totals		57	87	114	37.396	93.63	95.16	42.4	168.3		4,034	16,018		8,997	3,572
SFL		19	2	90	123	1.001	1.97	3.00	33.3	138.3		100	415		223	93
SFL		21	1	89	132	.410	.99	1.23	43.7	193.3		54	238		120	53
SFL		22	1	88	119	.373	.99	1.12	41.3	176.7		46	198		103	44
SFL		23	2	92	120	.683	1.97	2.05	47.5	218.3		97	447		217	100
SFL		24	2	88	118	.627	1.97	1.57	58.8	244.0		92	383		206	85
SFL		25	2	88	130	.578	1.97	1.16	54.8	232.5		63	269		141	60
SFL		26	1	88	129	.267	.99	.80	62.0	270.0		50	217		111	48
SFL		27	3	91	130	.744	2.96	2.23	70.3	347.8		157	776		350	173
SFL		31	1	92	122	.188	.99	.56	89.0	466.7		50	263		112	59
SFL		32	3	91	131	.529	2.96	1.59	99.4	505.6		158	803		352	179
SFL		37	1	86	129	.132	.99	.40	124.7	546.7		49	216		110	48
SFL	Totals		19	90	125	5.533	18.73	15.71	58.4	269.0		917	4,225		2,045	942
HL		24	1	88	79	.611	1.92	1.22	55.5	220.0		68	269		151	60
HL	Totals		1	88	79	.611	1.92	1.22	55.5	220.0		68	269		151	60
AL		12	1	87	66	.917	.72	.92	21.0	70.0		19	64		43	14
AL		17	1	87	68	.457	.72	.91	25.0	90.0		23	82		51	18
AL	Totals		2	87	67	1.374	1.44	1.83	23.0	80.0		42	146		94	33
CL		10	1	83	20	.880	.48	.88	8.0	30.0		7	26		16	6
CL	Totals		1	83	20	.880	.48	.88	8.0	30.0		7	26		16	6
SN		12	1	82	48	1.528	1.20									
SN		19	1	80	30	.610	1.20									
SN	Totals		2	81	43	2.138	2.40									
Totals			82	87	109	47.933	118.60	114.81	44.1	180.2		5068	20,685		11,303	4,613

Sheep Sheek

Stand Table Summary

Project SHEEP

T04N R07W S25 TPCLL

Sample Trees
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S Spec	T	Sample			Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		DBH	FF	Ht	Tot				Net	Net				Tons	Cunits	MBF
DL	12	1	85	167	2.889	2.27	8.67	14.0	56.7		121	491		83	33	
DL	16	1	88	115	1.625	2.27	3.25	30.5	120.0		99	390		67	27	
DL	17	2	85	101	2.879	4.54	5.76	29.5	107.5		170	619		116	42	
DL	18	1	88	125	1.284	2.27	3.85	27.7	103.3		107	398		72	27	
DL	19	2	90	109	2.305	4.54	5.76	34.4	124.0		198	714		135	49	
DL	20	3	89	106	3.120	6.81	8.32	34.3	132.5		285	1,102		194	75	
DL	21	4	87	114	3.773	9.08	10.38	38.4	146.4		398	1,519		271	103	
DL	22	6	88	117	5.157	13.61	15.47	40.1	169.4		621	2,622		422	178	
DL	23	4	88	117	3.146	9.08	8.65	47.8	199.1		414	1,722		281	117	
DL	24	5	88	123	3.611	11.34	10.83	48.9	214.0		529	2,318		360	158	
DL	25	3	87	122	1.997	6.81	5.32	55.5	245.0		296	1,305		201	89	
DL	26	6	85	118	3.692	13.61	11.08	54.7	232.2		606	2,572		412	175	
DL	27	1	87	120	.571	2.27	1.14	81.0	380.0		92	434		63	29	
DL	28	3	86	113	1.592	6.81	4.24	67.7	291.2		288	1,236		196	84	
DL	29	1	84	111	.495	2.27	1.48	62.0	286.7		92	425		63	29	
DL	30	1	84	116	.462	2.27	1.39	74.0	310.0		103	430		70	29	
DL	31	3	84	126	1.299	6.81	3.90	78.3	358.9		305	1,398		208	95	
DL	32	1	86	105	.406	2.27										
DL	Totals	48	87	119	40.302	108.91	109.50	43.1	179.9		4,723	19,696		3,212	1,339	
HL	19	1	89	104	2.648	5.21	5.30	44.0	175.0		233	927		158	63	
HL	20	1	88	116	2.390	5.21	4.78	52.5	190.0		251	908		171	62	
HL	Totals	2	89	110	5.038	10.43	10.08	48.0	182.1		484	1,835		329	125	
SFL	23	1	89	116	.937	2.70	1.87	65.0	275.0		122	515		83	35	
SFL	24	1	89	116	.861	2.70	2.58	51.0	236.7		132	611		90	42	
SFL	29	1	92	127	.589	2.70	1.77	79.0	396.7		140	701		95	48	
SFL	Totals	3	90	119	2.387	8.11	6.22	63.2	293.7		393	1,828		267	124	
AL	14	1	87	74	2.601	2.78	5.20	16.5	65.0		86	338		58	23	
AL	16	2	86	55	3.983	5.56	5.97	22.0	70.0		131	418		89	28	
AL	17	1	86	66	1.764	2.78	3.53	23.0	85.0		81	300		55	20	
AL	18	1	87	78	1.574	2.78	3.15	30.0	100.0		94	315		64	21	
AL	Totals	5	86	65	9.922	13.90	17.85	22.0	76.8		393	1,371		267	93	
Totals		58	87	109	57.649	141.35	143.65	41.7	172.2		5993	24,730		4,075	1,682	

Spruced Up
Combination

TYPE REPORT(KC)
STATISTICAL SUMMARY

GON DEPT. OF FORESTRY Plots 45 BFT:W PAGE
JECT SPRUCED TRACT: AREA I THINNING Trees 207 CUB:1 DATE: 04/13/98
FWP 04N RGE 07W SEC 22 TY LEAV AC 643.30 PAUL TIME: 10:20am

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	45	207	4.6		
CRUISE	45	207	4.6	67386	0.3
COUNT					
BLANKS					
100%					

STAND SUMMARY										
	SAMPLE TREES	TREES /ACRE	AVE D4H	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
WHEMLOCK	86	49.2	15.5	56		64.2	9272	8787	2366	2355
DOUG FIR	86	43.3	16.5	63		64.2	9089	8721	2378	2370
NOB FIR	34	12.1	19.6	85	6	25.4	5196	4990	1190	1185
S SPRUCE	1	0.1	32.4	71		0.7	102	99	25	25
TOTAL	207	104.8	16.5	62		154.6	23659	22597	5959	5935

SD:1	COEFF. VAR.%	S.E.%	TREES/ACRE			# OF PLOTS REQ. - INF. POP.		
			LOW	AVE	HIGH	5%	10%	15%
WHEMLOCK	109.7	16.3	41.2	49.2	57.2			
DOUG FIR	116.2	17.3	35.8	43.3	50.8			
NOB FIR	181.5	27.1	8.8	12.1	15.4			
S SPRUCE	670.8	100.0		0.1	0.3			
TOTAL	45.3	6.8	97.7	104.8	111.8	82	57	42

SD:1	COEFF. VAR.%	S.E.%	BASAL AREA/ACRE			# OF PLOTS REQ. - INF. POP.		
			LOW	AVE	HIGH	5%	10%	15%
WHEMLOCK	93.9	14.0	55.2	64.2	73.2			
DOUG FIR	85.6	12.8	56.0	64.2	72.4			
NOB FIR	169.7	25.3	19.0	25.4	31.8			
S SPRUCE	670.8	100.0		0.7	1.5			
TOTAL	17.0	2.5	150.7	154.6	158.5	12	8	6

SD:1	COEFF. VAR.%	S.E.%	NET BF/ACRE			# OF PLOTS REQ. - INF. POP.		
			LOW	AVE	HIGH	5%	10%	15%
WHEMLOCK	103.9	15.5	7426	8787	10147			
DOUG FIR	89.4	13.3	7559	8721	9883			
NOB FIR	179.2	26.7	3657	4990	6323			
S SPRUCE	670.8	100.0		99	198			
TOTAL	32.4	4.8	21507	22597	23687	42	29	21

SD:1	COEFF. VAR.%	S.E.%	NET CUBIC FT/ACRE			# OF PLOTS REQ. - INF. POP.		
			LOW	AVE	HIGH	5%	10%	15%
WHEMLOCK	100.0	14.9	2004	2355	2706			
DOUG FIR	88.1	13.1	2059	2370	2681			
NOB FIR	175.3	26.1	876	1185	1495			
S SPRUCE	670.8	100.0		25	49			
TOTAL	25.3	3.8	5711	5935	6159	26	18	13

Logging Plan

OF TIMBER SALE CONTRACT NO. 341-09-25
SHORN SHEEP SALVAGE
PORTIONS OF SECTION 30 T4N, R6W AND
SECTIONS 13, 14, 15, 21, 22, 23, 24, AND 25
T4N, R7W, W.M., CLATSOP COUNTY, OR

Legend

- Type F Stream
- Type N Stream
- Non-posted Stream Buffer
- Existing Surfaced Road
- Road Blocked
- Existing Landing
- Seasonally Restricted Road
- Roadside Salvage
- Scattered Salvage
- RMA Salvage
- MC Salvage
- Owenship
- Survey Corners
- Tractor Logging Areas

Logging Breakdown			
Area	Acres	Cable	Tractor
1 (RS)	N/A	0%	100%
2 (SS)	4	100%	0%
3 (MC)	48	96%	4%
4 (MC)	20	100%	0%
5 (MC)	14	0%	100%
6 (SS)	25	0%	100%
7 (SS)	17	0%	100%
8 (SS)	9	99%	1%
9 (MC)	36	0%	100%
10 (MC)	11	0%	100%
11 (SS)	6	0%	100%
12 (SS)	1	0%	100%
13 (SS)	4	0%	100%

Cable Logging Areas

Area 1

Area 2

Highway 26

Road Blocked

100 Road

101 Road

102 Road

Sterling Ranch Road 24

Approximate Scale = 1"=1,000'
0 500 1,000 Feet

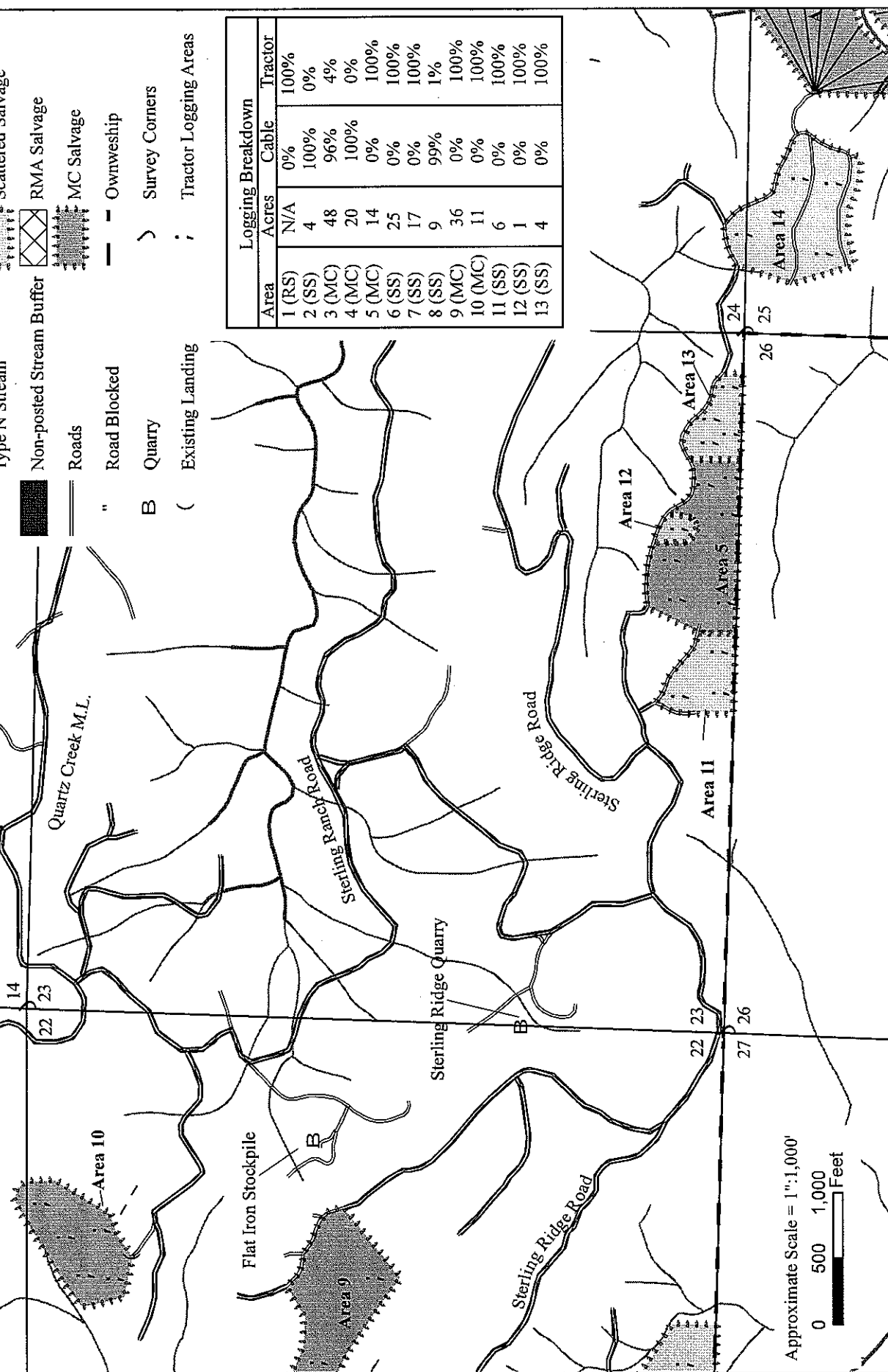
Logging Plan

OF TIMBER SALE CONTRACT NO. 341-09-25
SHORN SHEEP SALVAGE
PORTIONS OF SECTION 30 T4N, R6W, AND
SECTIONS 13, 14, 15, 21, 22, 23, 24, AND 25
T4N, R7W, WM., CLATSOP COUNTY, OR

Legend

- Type F Stream
- Type N Stream
- Non-posted Stream Buffer
- Roads
- Road Blocked
- Quarry
- Existing Landing
- Roadside Salvage
- Scattered Salvage
- RMA Salvage
- MC Salvage
- Ownweship
- Survey Corners
- Tractor Logging Areas

Logging Breakdown			
Area	Acres	Cable	Tractor
1 (RS)	N/A	0%	100%
2 (SS)	4	100%	0%
3 (MC)	48	96%	4%
4 (MC)	20	100%	0%
5 (MC)	14	0%	100%
6 (SS)	25	0%	100%
7 (SS)	17	0%	100%
8 (SS)	9	99%	1%
9 (MC)	36	0%	100%
10 (MC)	11	0%	100%
11 (SS)	6	0%	100%
12 (SS)	1	0%	100%
13 (SS)	4	0%	100%



Logging Plan

OF TIMBER SALE CONTRACT NO. 341-09-25
 SHORN SHEEP SALVAGE
 PORTIONS OF SECTION 30 T4N, R6W AND
 SECTIONS 13, 14, 15, 21, 22, 23, 24, AND 25
 T4N, R7W, W.M., CLATSOP COUNTY, OR

Logging Breakdown			
Area	Acres	Cable	Tractor
1 (RS)	N/A	0%	100%
2 (SS)	4	100%	0%
3 (MC)	48	96%	4%
4 (MC)	20	100%	0%
5 (MC)	14	0%	100%
6 (SS)	25	0%	100%
7 (SS)	17	0%	100%
8 (SS)	9	99%	1%
9 (MC)	36	0%	100%
10 (MC)	11	0%	100%
11 (SS)	6	0%	100%
12 (SS)	1	0%	100%
13 (SS)	4	0%	100%

Legend

- Fish
- Nonfish
- Non-posted Stream Buffer
- Roads
- Roadside Salvage
- Scattered Salvage
- MC Salvage
- Ownweship
- Road Blocked
- Quarry
- Existing Landing
- Survey Corners
- Tractor Logging Areas
- Cable Logging Areas

