"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Cost Summary
Boeck Ranch Thinning
Sale 341-02-54

District: Astoria **Date:** 3/4/02

	Conifer	Hardwood	Total
Gross Timber Sale Value	$1,841,283.51	$349.44	$1,841,632.95
		Project Work	($133,887.00)
		Advertised Value	$1,707,745.95

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Timber Description
Boeck Ranch Thinning
Sale 341-02-54

District: Astoria

Location: Portions of Sections 23, 24, & 25 T5N, R6W; W.M., Clatsop County, Oregon

Date: 3/4/02 **Stand Stocking:** 40%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	19	0	97
Western Hemlock / Fir	13	0	96
Red Cedar	17	0	96
Alder (Red)	17	0	95

Volume by Grade	Douglas - Fir	Western Hemlock / Fir	Red Cedar	Alder (Red)	Total
SM	244	0	0	0	244
2S	4,391	0	0	0	4,391
3S	865	1	1	2	869
4S	234	0	0	0	234
Total	5,734	1	1	2	5,738

Comments: Pond Values Used: 4th Quarter 2001

Log Markets: Mist, Clatskanine, Tillamook, Banks
Additional costs with P&R:
100% branding and painting: $1/MBF x 5,738 = $5,738
Additional cutting costs for thinning: $5/MBF x 5,738 = $28,690
Additional costs for cable corridor layout: $3/MBF x 2,790 = $8,370
Total cost w/P&R: $42,798
Site-prep for underplanting Area 1: 158 hours @ $95/hour = $15,010.00
Excavator move-in/move out = $500.00
Total Non P&R Costs= $15,510.00

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Logging Conditions
Boeck Ranch Thinning
Sale 341-02-54

Combination#: 1

	Douglas - Fir	49.00%
	Western Hemlock / Fir	49.00%
	Red Cedar	49.00%
	Alder (Red)	49.00%

Yarding Distance: Medium (800 ft) **Downhill Yarding** No
Logging System: Cable: Medium Tower >40 - <70 **Process:** Manual Delimbing
Tree Size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
Loads/Day: 6 **Bd. Ft./Load:** 3,700
Cost/MBF: $149.40
Machines:
Log Loader (A)
Tower Yarder (Medium)

Combination#: 2

	Douglas - Fir	51.00%
	Western Hemlock / Fir	51.00%
	Red Cedar	51.00%
	Alder (Red)	51.00%

Yarding Distance: Short (400 ft) **Downhill Yarding** Yes
Logging System: Track Skidder **Process:** Manual Falling/Delimbing
Tree Size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
Loads/Day: 8 **Bd. Ft./Load:** 3,700
Cost/MBF: $110.32
Machines:
Log Loader (B)
Track Skidder

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Logging Costs
Boeck Ranch Thinning
Sale 341-02-54

Date: 3/4/02

Operating Seasons: 2.0 **Profit & Risk:** 14%

Project Costs: $133,887 **Other Costs (P/R):** $42,798

Slash Disposal: $15,510 **Other Costs:** $0

Road Maintenance: $5.21

Miles of Road			
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	4.0	4.0
Western Hemlock / Fir	$0.00	4.0	3.5
Red Cedar	$0.00	2.0	3.5
Alder (Red)	$0.00	2.0	3.0

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Logging Costs Breakdown
Boeck Ranch Thinning
Sale 341-02-54

Costs	Douglas - Fir	Western Hemlock / Fir	Red Cedar	Alder (Red)
Logging	129.47	129.47	129.47	129.47
Road Maintenance	5.37	5.43	5.43	5.48
Fire Protection	0.94	0.94	0.94	0.94
Hauling	29.64	34.22	68.44	80.84
Other (P/R appl.)	7.46	7.46	7.46	7.46
Profit & Risk	24.20	24.85	29.64	31.39
Slash Disposal	2.70	2.70	2.70	2.70
Scaling	2.00	2.00	2.00	2.00
Other	0.00	0.00	0.00	0.00
Total	201.78	207.07	246.08	260.28

Amortization	0.00	0.00	0.00	0.00
Pond Value	522.77	330.00	850.00	435.00
Stumpage	320.99	122.93	603.92	174.72
Amortized	0.00	0.00	0.00	0.00

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Summary
Boeck Ranch Thinning
Sale 341-02-54

Amortized

	Douglas - Fir	Western Hemlock / Fir	Red Cedar	Alder (Red)
MBF	0.00	0.00	0.00	0.00
Value	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00

Unamortized

	Douglas - Fir	Western Hemlock / Fir	Red Cedar	Alder (Red)
MBF	5,734.00	1.00	1.00	2.00
Value	320.99	122.93	603.92	174.72
Total	1,840,556.66	122.93	603.92	349.44

Gross Timber Sale Value

Recovery $1,841,632.95

Prepared by: Lanny Freeman Date: 3/4/02

District: Astoria Phone: (503) 325-5451

SUMMARY OF ALL PROJECT COSTS

SALE NAME: BOECK RANCH THINNING

NEW CONSTRUCTION:

	Road segment	Length/Sta	Cost	
Project No. 1	1A-1B, 1C-1D, 1 E, 2A-2B, 2C-2D, 2E-2F, & 2G-2H	36.55	$34,688	
	TOTALS	36.55		$34,688

ROAD IMPROVEMENT:

	Road segment	Length/Sta	Cost	
Project No. 1	I2-I3, I5-I6, & I7-I8	182.9	$43,819	
Project No. 2	I1-I2	153.1	$42,874	
	TOTALS	336.0		$86,693

SPECIAL PROJECTS:

Description	Cost	
Road Maintenance (project work)	$6,888	
TOTALS		$6,888

MOVE IN:

Equipment	Cost	
Dozer (D8)	$980	
Dump Trucks (12 cy X	$684	
Dump Trucks (20 cy X 3)	$402	
F E Loader (C966)	$540	
Grader (14G)	$540	
Vibratory Roller	$540	
Water Truck (2,500 gallon)	$132	
Excavator (C325) X 2	$1,800	
TOTAL		$5,618

GRAND TOTAL **$133,887**

Compiled By: L. Freeman Date: 1/3/02

x:\timbermgt\jewell\timbersales\2002\boeck ranch thinning\road costs\projectsum.xls

TIMBER CRUISE REPORT

BOECK RANCH THINNING FY 2002

1. **Sale Area Location: Areas 1, 2, and 3 (In-sale R/W)** - Portions of Sections 23, 24, and 25, T5N, R6W; W.M., Clatsop County, Oregon.

2. **Fund Distribution:**
   Fund: BOF – 100%
   Tax Code: 100% 8 -01

3. **Sale Acreage by Area:**

Area	Treatment	Gross Acres	Non-Thinnable Acres	New R/W	Net Acres	Acreage Comp. Method
1	Commercial Thinning	207.0	-7.5	-2.5	197.0	GIS
2	Commercial Thinning	135.0	-9.5	-.5	125	GIS
3	In Sale R/W	---	---	3.0	3.0	Length x Width
Total		342.0			325.0	

4. **Cruisers and Cruise Dates:** Dave Beck, Alan Kelso, Dave Horning and Lanny Freeman. Cruised in September, 2001.

5. **Cruise Method and Computation: Areas 1 and 2** were cruised using a 27.8 B.A.F, and a line spacing of 9 chains and a plot spacing of 5 chains on transect lines. 66 plots were cruised on a 2:1 count to grade ratio, with the biggest and best trees selected for "leave" trees at a target residual basal area of 160 $ft.^2$/ acre. (23 plots were measured and graded in Areas 1 & 2.) **Area 3 R/W:** The combined "take" and "leave" tree board foot volume per acre for Areas 1 and 2 was expanded by the total right-of-way acres to determine the total board foot volume. All cruisers used Corvallis MicroTechnology (CMT) data collectors, which were downloaded to the Atterbury Super A.C.E. program in the Astoria District office for computing. See the attached Cruise Design for more details on the cruise method. The cruise calculations were processed in the Astoria district office as follows:

TIMBER CRUISE REPORT

BOECK RANCH THINNING FY 2002

AREA	CRUISE	CRUISE TYPE
1	Thinning—Take	5N 6W 24—Type: TK01
1	Thinning— Leave	5N 6W 24—Type: LV01
1	Thinning— All	5N 6W 24—Type: 0001
2	Thinning—Take	5N 6W 24—Type: TK02
2	Thinning— Leave	5N 6W 24—Type: LV02
2	Thinning— All	5N 6W 24---Type: 0002
3	Right-of-Way	5N 6W 24---Type: ROAD

6. **Timber Description: Areas 1 and 2** are commercial thinnings in 50 to 67 year old Douglas-fir dominated stands, with a small component of western hemlock, red cedar, noble fir, red alder and Big Leaf Maple. Approximately 67 trees/acre, 121ft^2 basal area/acre, and 20 MBF/acre will be harvested in Area 1, and approximately 36 trees/acre, 82 ft^2 basal area/acre, and 13 MBF/acre will be harvested in Area 2. The average "take" tree size in Area 1 is 18" DBH, and 69 feet to a merchantable top (6" d.i.b.). The average "take" tree size in Area 2 is 20" DBH, and 77 feet to a merchantable top. The residual stand in Area 1, will be thinned down to 120 ft^2 of basal area per acre (RD 25), and 150 ft^2 of basal area per acre (RD35) in Area 2.

   Area 3 (in-sale R/W): There is approximately 134 MBF in the in-sale right-of-way which is the same timber type.

7. **Statistical Analysis and Stand Summary: (See also "Statistics Reports," attached.)**

Area	Target CV%	Target SE%	Actual CV%	Actual SE%
Areas 1	45	8	29.0	4.7
Area 2	45	8	21.6	4.1

Note: Statistical values based on "total stand", including both "take" and "leave" stands.

TIMBER CRUISE REPORT

BOECK RANCH THINNING FY 2002

8. Volumes by Species and Log Grades for All Sale Areas by MBF: (See "Species, Sort, Grade, Length % Type Reports" attached.) Volumes do not include "in-growth." The majority of defect and breakage was culled out during the cruise.

Species	Avg. DBH	Net MBF	SMIL	2 Saw	3 Saw	4 Saw	D&B MBF	Species %
Douglas–fir	19	5,734	244	4,391	865	234	274	99
Hardwood	17	2			2			<1
Hemlock	13	1			1			<1
Cedar	17	1			1		---	<1
Totals		**5,738**	**244**	**4,391**	**869**	**234**		**100**

9. Approvals:

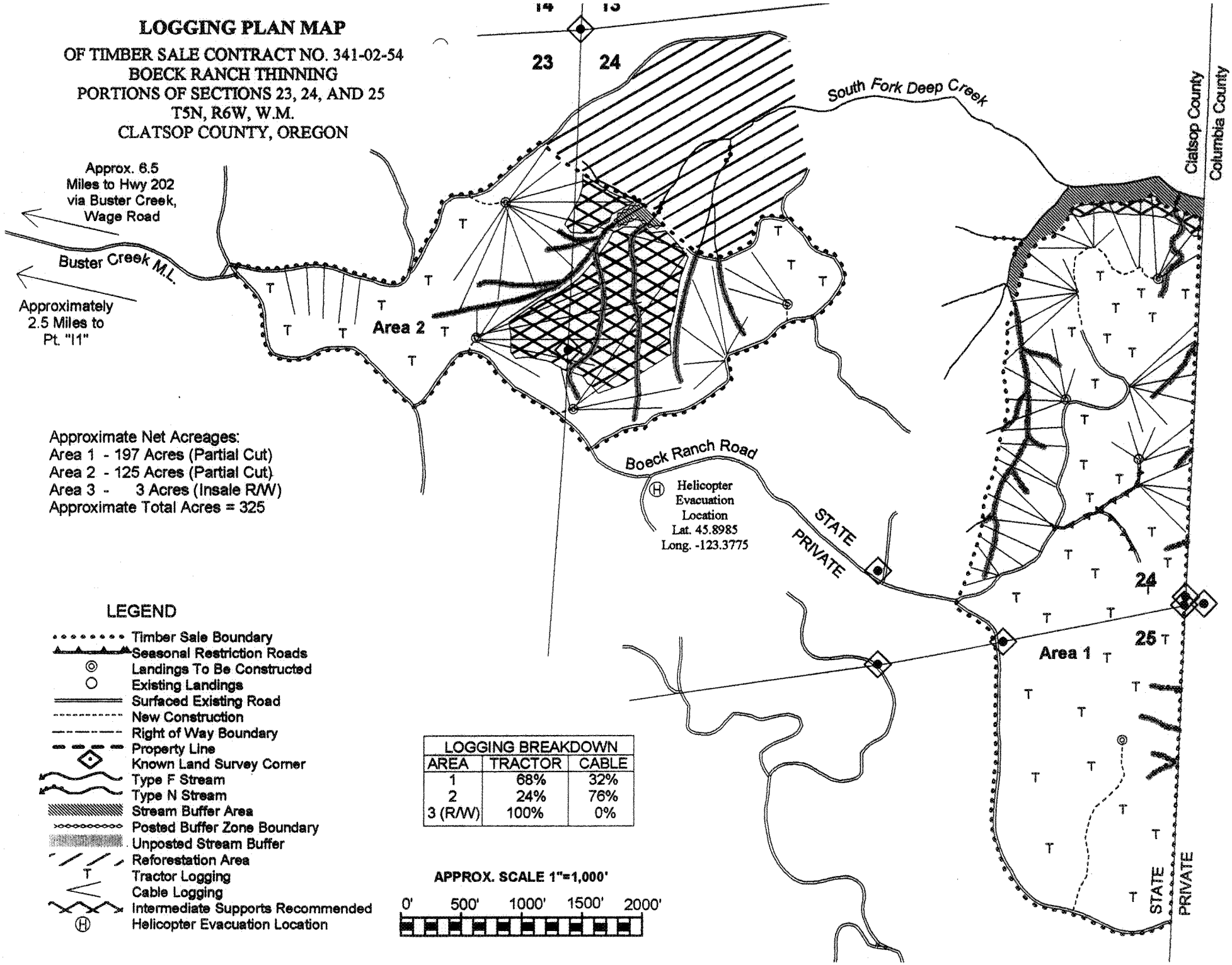
Prepared by: L. Freeman **Date:** 11/30/01

Approved by: Dan Goody **Date:** 12/31/01
Unit Forester

Attachments: Cruise design and maps (3 pages)
Volume & Grade Reports (4 pages)
Statistics Report (7 pages)
Stand Table Report (2 pages)

LOGGING PLAN MAP

OF TIMBER SALE CONTRACT NO. 341-02-54
BOECK RANCH THINNING
PORTIONS OF SECTIONS 23, 24, AND 25
T5N, R6W, W.M.
CLATSOP COUNTY, OREGON



Approximate Net Acreages:
Area 1 - 197 Acres (Partial Cut)
Area 2 - 125 Acres (Partial Cut)
Area 3 - 3 Acres (Insale R/W)
Approximate Total Acres = 325

LEGEND

- Timber Sale Boundary
- Seasonal Restriction Roads
- Landings To Be Constructed
- Existing Landings
- Surfaced Existing Road
- New Construction
- Right of Way Boundary
- Property Line
- Known Land Survey Corner
- Type F Stream
- Type N Stream
- Stream Buffer Area
- Posted Buffer Zone Boundary
- Unposted Stream Buffer
- Reforestation Area
- T — Tractor Logging
- Cable Logging
- Intermediate Supports Recommended
- Ⓗ — Helicopter Evacuation Location

LOGGING BREAKDOWN		
AREA	TRACTOR	CABLE
1	68%	32%
2	24%	76%
3 (R/W)	100%	0%

APPROX. SCALE 1"=1,000'

0' 500' 1000' 1500' 2000'

FOREST PRACTICES ACT "WRITTEN PLAN"
For Harvest of Boeck Ranch Thinning 341-02-54

Landowner: Oregon Department of Forestry
92219 Hwy 202
Astoria, OR 97103
(503) 325-5451

Protected Resources:

South Fork of Deep Creek, which is designated as a medium Type F stream, lies adjacent to the north boundary of Area 1. Length of the affected stream requiring protection is approximately 1,200 feet. A small Type F tributary to the South Fork of Deep Creek lies adjacent to the northwest boundary of Area 1, the length of the affected stream requiring protection is approximately 600 feet. A small Type F stream, is located in the northeast portion of Area 2. The length of this stream requiring protection is approximately 240 feet. These streams are located in Section 24 of T5N, R6W, W.M., Clatsop County, Oregon.

Specific Site Characteristics:

The South Fork of Deep Creek and tributaries to the South Fork of Deep Creek: The Medium Type F streambed is approximately 9 to 12 feet wide, and the small Type F tributaries are 2-4 feet in width and have moderate to steep streambank slopes. Streamside vegetation is dominated by mature alder and brush, with a significant component of conifer trees, which are located above the flood plain.

Tree and Vegetation Retention:

South Fork of Deep Creek and tributaries to the South Fork of Deep Creek: The FPA defines the RMA width of a medium, Type F stream at 70 feet. The timber sale boundary for Area 1 around the South Fork of Deep Creek and its tributary is posted at a minimum of 100 feet from the streams. The FPA defines the RMA width of a small Type F stream at 50 feet. In Area 2, the boundary of the tributary to the South Fork of Deep Creek is posted an average of 50 feet distance from the stream.

Practices:

Directional felling will be required parallel to the stream to prevent trees from entering the aquatic area. No ground based logging equipment will be permitted inside the posted RMA (stream buffer area). Cable corridors may be strung through the RMA and will be located no closer than 100 feet apart. Cable lines will not be lowered into the RMA during yarding. Full suspension of all logs will be required when yarding through the RMA.

Attachments: Logging Plan Map

Submitted: _____ Date: _____
Purchaser/Operator Contract Representative

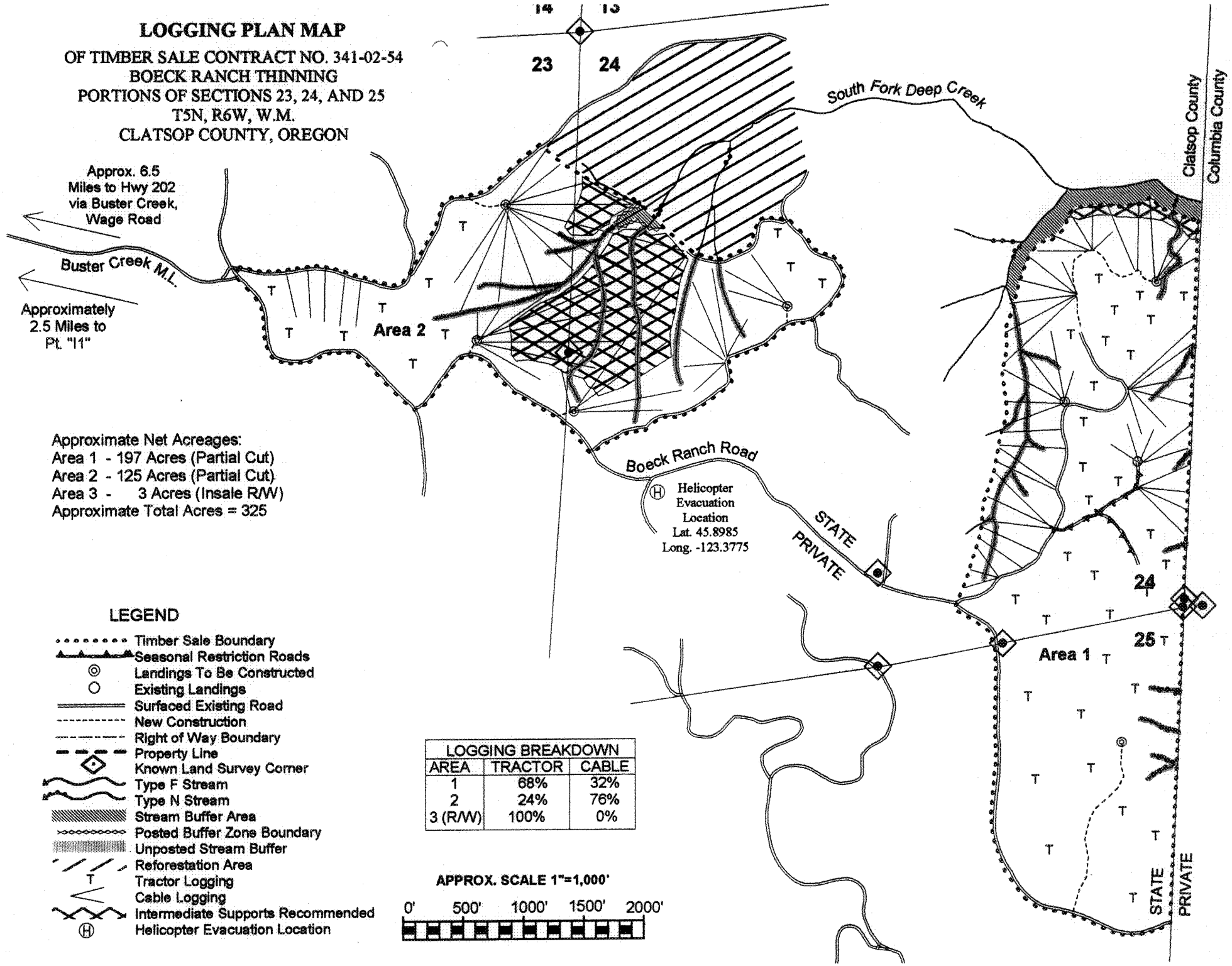
Approved: Dan Gooch Date: 1/8/02
State Lands Forester

Approved: JW Date: _____
Forest Practices Forester

X:\Timber Mgt\Jewell\Timber Sales\2002\Boeck Ranch Thinning\Sale Reports\Written Plan.doc

LOGGING PLAN MAP

OF TIMBER SALE CONTRACT NO. 341-02-54
BOECK RANCH THINNING
PORTIONS OF SECTIONS 23, 24, AND 25
T5N, R6W, W.M.
CLATSOP COUNTY, OREGON



Approximate Net Acreages:
Area 1 - 197 Acres (Partial Cut)
Area 2 - 125 Acres (Partial Cut)
Area 3 - 3 Acres (Insale R/W)
Approximate Total Acres = 325

LEGEND

- Timber Sale Boundary
- Seasonal Restriction Roads
- Landings To Be Constructed
- Existing Landings
- Surfaced Existing Road
- New Construction
- Right of Way Boundary
- Property Line
- Known Land Survey Corner
- Type F Stream
- Type N Stream
- Stream Buffer Area
- Posted Buffer Zone Boundary
- Unposted Stream Buffer
- Reforestation Area
- T — Tractor Logging
- Cable Logging
- Intermediate Supports Recommended
- Ⓗ — Helicopter Evacuation Location

LOGGING BREAKDOWN		
AREA	TRACTOR	CABLE
1	68%	32%
2	24%	76%
3 (R/W)	100%	0%

APPROX. SCALE 1"=1,000'

0' 500' 1000' 1500' 2000'

CRUISE DESIGN

Sale Name Boeck Ranch Thinning Area(s) 1 & 2

1. Cruise Method:
   - A. ✓ Variable Plot: BAF 27.8 (Full) or ~~Half-Point~~ F (10 BARS)
     Sighting point (BH or 16') BH
   - B. ___ Fixed Radius Plot: Plot Size (Acres) ____ Plot Radius _____ feet
   - C. ___ Strip Cruise: Strip Width _____ feet Strip Spacing _____ feet
     Strip factor _____ Strip (plot) length _____ feet
   - D. ___ ITS Cruise: Measure/grade to Count ratio by Species:
     D-fir ___; Hemlock ___; Spruce ___; Cedar ___; Hdwd ___; Other ___
   - E. ___ 100% Cruise: Grade all trees ___; Grade 1 in __ trees by Species:
     D-fir ___; Hemlock ___; Spruce ___; Cedar ___; Hdwd ___; Other ___
   - F. ___ Clearcut; or ✓ Partial Cut: Indicate Take (T) and Leave (L) trees.

2. Plot Spacing: Lines are 9 feet, (chains) apart (circle correct one)
   Plots are 5 feet, (chains) apart
   Cruise line direction is N-S.

3. Detailed Cruising Directions: (Include cruise objectives, such as estimated stand CV, target SE% for board foot volume, target number of conifer grade trees, estimated volume per acre, expected defect and breakage factors, grade/measure/count ratios, etc.)
Target BA is 160 ft². Therefore, choose an average 5-6 "leave trees" on each plot. Estimated stand CV = 45 Estimated stand SE = 8%. Grade every third plot, as shown on cruise map. Inventory LWD at each cruise plot using 1/5 acre plot (radius = 23.6'). Don't inventory LWD less than 8" avg. diameter. All cedar and hemlock is reserve.

4. Form Factors (FF): Measure or estimate a 16' form factor for every conifer tree graded. For "old growth" D-fir (>48" dbh), measure form factors at 32'.

5. Top Cruise Diameter (D): Minimum top outside bark is 7 ", and/or 40 % of d.o.b. at 16'. (Generally, for large timber, use 6" and 0.4 (40%); for thinning size timber, use 4 or 5" TCD. For "old growth", use 0.5 (50%) of d.o.b. at 16'.)

6. Diameter Recording: Minimum dbh to cruise is 9 " for conifers and 9 " for hardwooods. Record dbh (measured) to nearest 0.5" for trees <12" dbh, to nearest 1" for trees 12 to 20" dbh, and to nearest 2" for trees >20" dbh. If tree diameters are estimated, then record to closest estimate.

7. Bole Length (Merch. tree height): Record bole length to TCD to nearest foot. Do not record total tree height, except in certain special cases (such as inventory plots).

Sale Name Boeck Ranch Thinning Area(s) 1 & 2

8. Tree Segments: Record log segments to maximize grade within scaling standards and within practicality. Minimum segment length is 12 feet (except cull segments). Maximum segment length is 40 feet. One foot of trim is assumed for each merch. segment. Do not use the "double dash" (--) feature on the data recorder except for the top segment of the tree.

9. Species, Sort, and Grade Codes:

A. Species: D-fir = D; Hemlock = H; Sitka Spruce = S; Red Cedar = C; Silver fir = SF; Grand fir = GF; Noble fir = NF; Red Alder = A; Bifleaf Maple = M.

B. Sorts: Domestic = 1; Leave tree = L; Take tree = T.

C. Grades: #1 Peeler = A; #2 Peeler = B; #3 Peeler = C; Special Mill = D; #2 Sawmill = 2; #3 Sawmill = 3; #4 Sawmill = 4; Pulp = P; Camp Run = R; Cull =0

DL = Doug Fir Leave HL = Hemlock Leave, CL = Cedar Leave

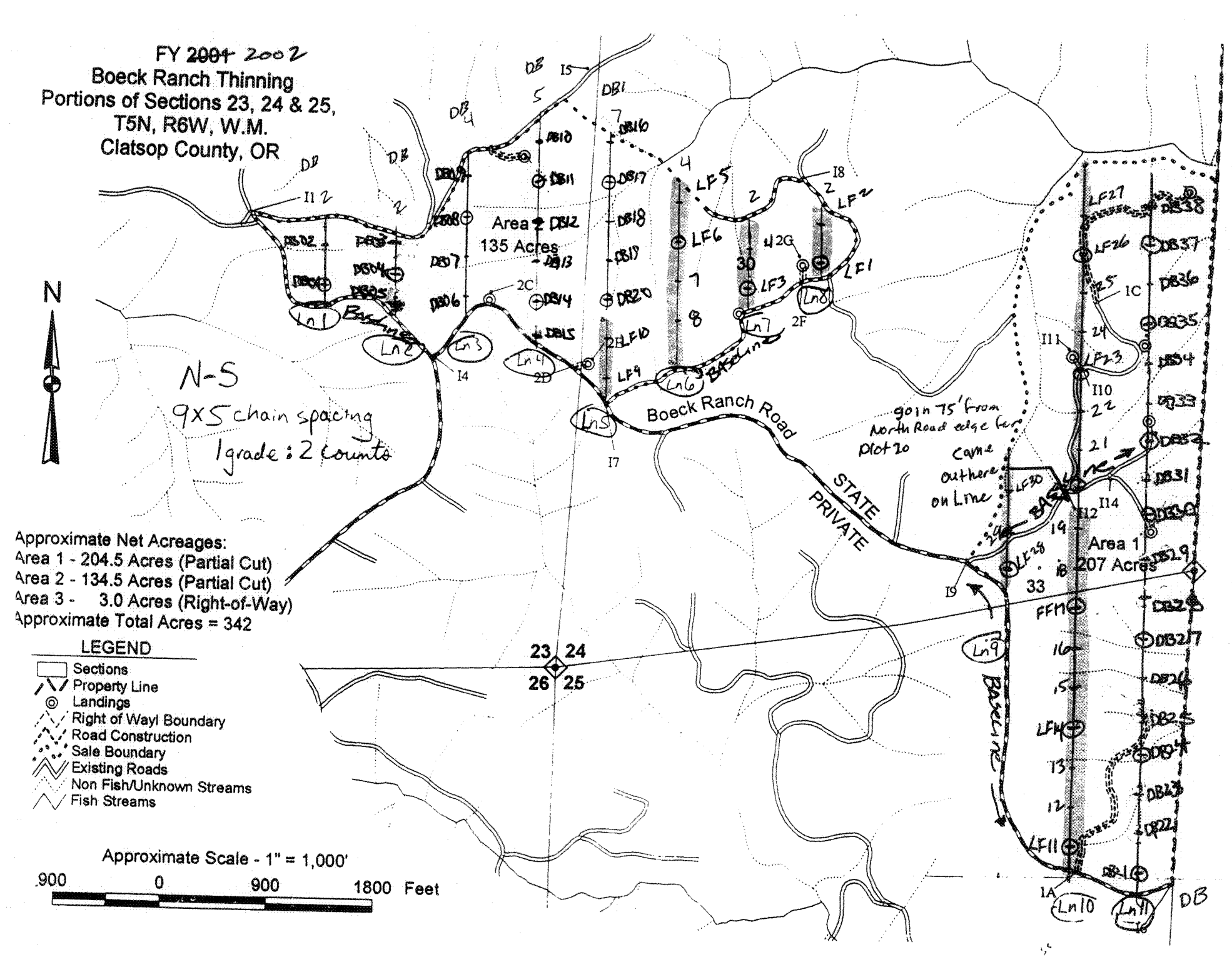
10. Standard Field Procedures: Cruise line ends are to be marked with blue and yellow ribbon, with cruise line number, cruising direction, cruiser's initials, and cruise date. At plot, sink a sturdy stake into the ground, marked with a yellow ribbon, labeled with cruise plot number. Hang another labeled yellow ribbon above eye height near the plot center. Label plot ribbons with cruiser's initials and plot number (eg. "TS01") and mark the location of the plot on the cruise map. Between plots, hang blue ribbons at visible intervals along the cruise line. Mark the first tree on each plot with yellow paint. A tree number or tree dbh may be used as a marking. The first tree should be the first "in" tree to the right (clockwise) of the cruise line direction. If half plots are used, mark "wing points" carefully about 20 feet either side of the plot center, using yellow ribbon. (These procedures apply to "plot" type cruises.) On "strip" cruises, the strip center should be plainly marked with yellow ribbon, and line ends should be marked with blue and yellow ribbon.

11. Cruising Equipment: Relaskop, rangefinder, diameter tape or rewind tape, biltmore stick, compass, increment borer, tatum and cruise cards or CMT data recorder, yellow and blue ribbon, permanent marker, Scaling and Grading Rules book, and Cruise Design and Map.

12. Attachments:

A. Cruise Map showing unit boundaries, major roads and streams, north arrow, legal description, approximate acreage, numbered cruise lines and approximate number of plots on each line, plot spacing, cruise line directions, BAF, measure/grade/count ratio, if applicable.

B. Miscellaneous Tatum Aids: (1) CMT data entry guides; (2) _____


FY ~~2001~~ 2002
Boeck Ranch Thinning
Portions of Sections 23, 24 & 25,
T5N, R6W, W.M.
Clatsop County, OR
N
N-S
9x5 chain spacing
1 grade : 2 counts
Area 2
135 Acres
Area 1
207 Acres
Boeck Ranch Road
STATE
PRIVATE
go in 75' from North Road edge for Plot 20
Came out here on Line
Approximate Net Acreages:
Area 1 - 204.5 Acres (Partial Cut)
Area 2 - 134.5 Acres (Partial Cut)
Area 3 - 3.0 Acres (Right-of-Way)
Approximate Total Acres = 342
LEGEND
Sections
Property Line
Landings
Right of Wayl Boundary
Road Construction
Sale Boundary
Existing Roads
Non Fish/Unknown Streams
Fish Streams
23 24
26 25
Approximate Scale - 1" = 1,000'
900 0 900 1800 Feet

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T5N R6W S24 TyTK01	197.00
T5N R6W S24 TyTK02	125.00
T5N R6W S24 TyROAD	3.00

Project: **BOECK**

Acres **325.00**

Page 1
Date 1/7/2002
Time 9:23:53AM

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
D		DOCU			00.0	267											4		0.00	6.1
D		DO2S		77	3.4	13,989	13,509	4,390			73	27	5	25	24	45	31	227	1.69	59.6
D		DO3S		15	2.7	2,735	2,661	865		97	3		1	13	51	35	34	67	0.66	39.9
D		DO4S		4	3.5	747	721	234		100			34	66			20	26	0.46	27.4
D		DOSM		4		751	751	244			46	54		0	46	54	36	421	2.39	1.8
D	**Totals**			00	4.6	18,488	17,642	5,734		19	58	23	6	24	28	42	28	131	1.16	134.8
A		DO3S		0		6	6	2		27	73		11	69		19	27	152	1.35	.0
A		DO4S		0	9.9	1	1	0		100				54	46		27	36	0.55	.0
A	**Totals**			0	1.9	7	7	2		40	60		9	66	8	16	27	97	0.98	.1
H		DOCU			00.0	0											3		0.00	.0
H		DO2S		0		0	0	0			100		100				15	110	1.60	.0
H		DO3S		0		1	1	0		100						100	37	140	0.92	.0
H		DO4S		0	9.6	1	1	0		100			62	38			18	26	0.49	.0
H	**Totals**			0	8.4	2	2	1		76	24		52	17		30	18	41	0.64	.0
C		DO2S		0		1	1	0				100				100	40	700	4.73	.0
C		DO3S		0	.4	3	3	1		13	68	19		24	25	50	34	213	2.03	.0
C		DO4S		0		1	1	0		100				100			24	30	0.50	.0
C	**Totals**			0	.2	5	5	2		28	43	29		35	16	49	28	101	1.22	.1
Totals					4.6	18,503	17,656	5,738		19	58	23	6	24	28	42	28	131	1.16	135.0

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: BOECK

Page 1
Date 1/7/2002
Time 9:24:43AM

T5N R6W S24 TTK01

Twp	Rge	Sec	Tract	Typ	*Acres*	Plots	Sample Trees
5N	6W	24	AREA 1 TAKE	TK01	197.00	38	55

T5N R6W S24 TTK01

Spp	S T	So rt Grade	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent 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
D		DO	CU		00.0	304											4		0.00	7.2
D		DO	2S	74	2.8	15,231	14,803	2,916			80	20	6	31	26	36	30	212	1.61	69.9
D		DO	3S	16	2.2	3,177	3,108	612		00			1	13	49	38	34	67	0.65	46.6
D		DO	4S	4	4.6	920	878	173		00			30	70			20	26	0.46	33.8
D		DO	SM	6		1,212	1,212	239			46	54			46	54	36	420	2.38	2.9
D	**Totals**			00	4.0	20,844	20,001	3,940		20	62	18	6	28	30	36	28	125	1.11	160.4
Type Totals					4.0	20,844	20,001	3,940		20	62	18	6	28	30	36	28	125	1.11	160.4

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: BOECK

Page 1
Date 1/7/2002
Time 9:24:43AM

T5N R6W S24 TTK02

Twp	Rge	Sec	Tract	Typ	*Acres*	Plots	Sample Trees
5N	6W	24	AREA 2 TAKE	TK02	125.00	28	27

T5N R6W S24 TTK02

Spp	S T	So rt	Gr ad Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent 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
D		DO	CU		00.0	200											5		0.00	4.4
D		DO	2S	82	4.7	11,474	10,940	1,367			60	40	4	13	20	63	34	261	1.85	42.0
D		DO	3S	14	3.9	1,985	1,907	238		89	11		2	13	58	27	33	67	0.70	28.4
D		DO	4S	4		467	467	58		00			45	55			19	27	0.45	17.1
D	**Totals**			00	5.8	14,127	13,314	1,664		16	51	33	5	14	25	56	30	145	1.26	91.9
Type Totals					5.8	14,127	13,314	1,664		16	51	33	5	14	25	56	30	145	1.26	91.9

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: BOECK

Page 1
Date 1/7/2002
Time 9:24:43AM

T5N R6W S24 TROAD

Twp	Rge	Sec	Tract	Typ	*Acres*	Plots	Sample Trees
5N	6W	24	ROAD ROW	ROAD	3.00	66	199

T5N R6W S24 TROAD

Spp	S T	So rt Grade	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent 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
D		DO	CU		00.0	587											4		0.00	11.3
D		DO	2S	83	4.3	37,172	35,576	107			53	47	3	17	23	57	33	286	1.98	124.5
D		DO	3S	11	4.0	4,925	4,727	14		95	5		2	17	46	35	33	68	0.71	69.8
D		DO	4S	2	3.0	1,047	1,015	3		00			41	59			19	27	0.50	37.1
D		DO	SM	4		1,792	1,792	5			28	72		17	18	65	36	458	2.56	3.9
D	**Totals**			97	5.3	45,524	43,110	129		13	46	42	3	18	25	53	30	175	1.43	246.6
C		DO	2S	17		100	100	0				100				00	40	700	4.73	.1
C		DO	3S	63	.4	372	371	1		13	68	19		24	25	50	34	213	2.03	1.7
C		DO	4S	20		119	119	0		00				100			24	30	0.50	4.0
C	**Totals**			1	.2	591	589	2		28	43	29		35	16	49	28	101	1.22	5.8
A		DO	3S	83		600	600	2		27	73		11	69		19	27	152	1.35	4.0
A		DO	4S	17	9.9	141	127	0		00				54	46		27	36	0.55	3.5
A	**Totals**			2	1.9	740	727	2		40	60		9	66	8	16	27	97	0.98	7.5
H		DO	CU		00.0	8											3		0.00	.4
H		DO	2S	24		46	46	0			100		100				15	110	1.60	.4
H		DO	3S	30		58	58	0		00						00	37	140	0.92	.4
H		DO	4S	46	9.6	98	89	0		00			62	38			18	26	0.49	3.4
H	**Totals**			0	8.4	211	193	1		76	24		52	17		30	18	41	0.64	4.7
Type Totals					5.2	47,067	44,620	134		14	46	41	4	19	25	52	29	169	1.41	264.6

TC TSTATS

STATISTICS

PROJECT BOECK

DATE 1/7/2002

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES
5N	6W	24	AREA 1	0001	197.00	38	114

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	38	336	8.8		
CRUISE	14	114	8.1	21,868	.5
REFOREST					
COUNT	24	222	9.3		
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
DOUG FIR	55	67.3	18.2	69		121.1	20,844	20,001	5,024	4,968
DOUGLEAV	53	37.3	23.5	94		112.3	22,767	21,900	5,256	5,207
CEDLEAV	2	3.2	18.3	34		5.9	474	470	161	161
HEMLEAV	2	2.3	15.4	28		2.9	356	333	80	80
R ALDER	2	.9	17.1	60		1.5	204	202	55	55
TOTAL	*114*	*111.0*	*20.1*	*75*		*243.7*	*44,646*	*42,906*	*10,576*	*10,471*

TREES/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	62.9	10.2	60	67	74			
DOUGLEAV	20.9	3.4	36	37	39			
CEDLEAV	211.3	34.3	2	3	4			
HEMLEAV	328.4	53.3	1	2	3			
R ALDER	616.4	100.0	0	1	2			
TOTAL	*38.0*	*6.2*	*104*	*111*	*118*	*58*	*14*	*6*

BASAL AREA/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	53.1	8.6	111	121	132			
DOUGLEAV	13.5	2.2	110	112	115			
CEDLEAV	196.3	31.8	4	6	8			
HEMLEAV	295.5	47.9	2	3	4			
R ALDER	616.4	100.0		1	3			
TOTAL	*27.0*	*4.4*	*233*	*244*	*254*	*29*	*7*	*3*

NET BF/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	54.1	8.8	18,246	20,001	21,755			
DOUGLEAV	15.5	2.5	21,348	21,900	22,451			
CEDLEAV	209.0	33.9	310	470	629			
HEMLEAV	341.4	55.4	149	333	518			
R ALDER	616.4	100.0		202	404			
TOTAL	*29.0*	*4.7*	*40,888*	*42,906*	*44,923*	*34*	*8*	*4*

TC TSTATS

STATISTICS

PROJECT BOECK

DATE 1/7/2002

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES
5N	6W	24	AREA 1 LEAVE	LV01	197.00	38	59

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	38	171	4.5		
CRUISE	14	59	4.2	8,971	.7
REFOREST					
COUNT	24	112	4.7		
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	53	37.3	23.5	94		112.3	22,767	21,900	5,256	5,207
CEDLEAV	2	3.2	18.3	34		5.9	474	470	161	161
ALDRLEAV	2	2.8	17.1	60		4.4	612	605	165	165
HEMLEAV	2	2.3	15.4	28		2.9	356	333	80	80
TOTAL	*59*	*45.5*	*22.5*	*84*		*125.5*	*24,209*	*23,307*	*5,662*	*5,613*

	COEFF	**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUGLEAV	20.9	3.4	36	37	39			
CEDLEAV	211.3	34.3	2	3	4			
ALDRLEAV	313.1	50.8	1	3	4			
HEMLEAV	328.4	53.3	1	2	3			
TOTAL	*26.2*	*4.3*	*44*	*46*	*47*	*28*	*7*	*3*

	COEFF	**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUGLEAV	13.5	2.2	110	112	115			
CEDLEAV	196.3	31.8	4	6	8			
ALDRLEAV	313.1	50.8	2	4	7			
HEMLEAV	295.5	47.9	2	3	4			
TOTAL	*14.5*	*2.3*	*123*	*126*	*128*	*8*	*2*	*1*

	COEFF	**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUGLEAV	15.5	2.5	21,348	21,900	22,451			
CEDLEAV	209.0	33.9	310	470	629			
ALDRLEAV	313.1	50.8	298	605	912			
HEMLEAV	341.4	55.4	149	333	518			
TOTAL	*15.0*	*2.4*	*22,741*	*23,307*	*23,874*	*9*	*2*	*1*

TC TSTATS

STATISTICS

PROJECT BOECK

DATE 1/7/2002

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES
5N	6W	24	AREA 1 TAKE	TK01	197.00	38	55

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	38	165	4.3		
CRUISE	13	55	4.2	13,259	.4
REFOREST					
COUNT	22	110	5.0		
BLANKS	3				
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	55	67.3	18.2	69		121.1	20,844	20,001	5,024	4,968
TOTAL	*55*	*67.3*	*18.2*	*69*		*121.1*	*20,844*	*20,001*	*5,024*	*4,968*

SD: 1	COEFF VAR.%	S.E.%	**TREES/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	62.9	10.2	60	67	74			
TOTAL	*62.9*	*10.2*	*60*	*67*	*74*	*158*	*40*	*18*

SD: 1	COEFF VAR.%	S.E.%	**BASAL AREA/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	53.1	8.6	111	121	132			
TOTAL	*53.1*	*8.6*	*111*	*121*	*132*	*113*	*28*	*13*

SD: 1	COEFF VAR.%	S.E.%	**NET BF/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	54.1	8.8	18,246	20,001	21,755			
TOTAL	*54.1*	*8.8*	*18,246*	*20,001*	*21,755*	*117*	*29*	*13*

TC TSTATS

STATISTICS

PROJECT BOECK

DATE 1/7/2002

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES
5N	6W	24	AREA 2	0002	125.00	28	85

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	28	250	8.9		
CRUISE	9	85	9.4	11,300	.8
REFOREST					
COUNT	19	165	8.7		
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	45	35.3	27.2	105		142.5	33,308	30,703	7,214	7,150
DOUG FIR	27	36.3	20.3	77		81.7	14,127	13,314	3,482	3,445
CEDLEAV	6	7.6	16.3	36		10.9	907	907	300	300
R ALDER	4	4.5	16.8	59		7.0	927	906	246	246
HEMLEAV	3	6.7	12.8	29		6.0	493	471	127	122
TOTAL	*85*	*90.4*	*22.4*	*80*		*248.0*	*49,761*	*46,300*	*11,369*	*11,262*

TREES/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUGLEAV	15.9	3.0	34	35	36			
DOUG FIR	70.4	13.3	31	36	41			
CEDLEAV	303.0	57.3	3	8	12			
R ALDER	302.6	57.2	2	5	7			
HEMLEAV	202.9	38.3	4	7	9			
TOTAL	*34.7*	*6.6*	*84*	*90*	*96*	*48*	*12*	*5*

BASAL AREA/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUGLEAV	12.3	2.3	139	142	146			
DOUG FIR	70.1	13.2	71	82	92			
CEDLEAV	271.2	51.2	5	11	17			
R ALDER	300.6	56.8	3	7	11			
HEMLEAV	195.0	36.9	4	6	8			
TOTAL	*24.5*	*4.6*	*237*	*248*	*260*	*24*	*6*	*3*

NET BF/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUGLEAV	13.7	2.6	29,907	30,703	31,500			
DOUG FIR	70.7	13.4	11,535	13,314	15,092			
CEDLEAV	264.0	49.9	454	907	1,360			
R ALDER	301.8	57.0	389	906	1,422			
HEMLEAV	220.6	41.7	274	471	667			
TOTAL	*21.6*	*4.1*	*44,407*	*46,300*	*48,193*	*19*	*5*	*2*

STATISTICS

PROJECT BOECK

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES
5N	6W	24	AREA 2 LEAVE	LV02	125.00	28	58

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	28	168	6.0		
CRUISE	9	58	6.4	6,844	.8
REFOREST					
COUNT	19	110	5.8		
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	45	35.3	27.2	105		142.5	33,308	30,703	7,214	7,150
CEDLEAV	6	7.6	16.3	36		10.9	907	907	300	300
ALDRLEAV	4	5.2	16.8	59		8.0	1,058	1,034	281	281
HEMLEAV	3	6.7	12.8	29		6.0	493	471	127	122
TOTAL	*58*	*54.8*	*23.7*	*82*		*167.4*	*35,766*	*33,115*	*7,922*	*7,852*

TREES/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUGLEAV	15.9	3.0	34	35	36			
CEDLEAV	303.0	57.3	3	8	12			
ALDRLEAV	268.8	50.8	3	5	8			
HEMLEAV	202.9	38.3	4	7	9			
TOTAL	*44.2*	*8.4*	*50*	*55*	*59*	*78*	*20*	*9*

BASAL AREA/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUGLEAV	12.3	2.3	139	142	146			
CEDLEAV	271.2	51.2	5	11	17			
ALDRLEAV	267.2	50.5	4	8	12			
HEMLEAV	195.0	36.9	4	6	8			
TOTAL	*18.1*	*3.4*	*162*	*167*	*173*	*13*	*3*	*1*

NET BF/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUGLEAV	13.7	2.6	29,907	30,703	31,500			
CEDLEAV	264.0	49.9	454	907	1,360			
ALDRLEAV	268.2	50.7	510	1,034	1,558			
HEMLEAV	220.6	41.7	274	471	667			
TOTAL	*14.6*	*2.8*	*32,203*	*33,115*	*34,027*	*8*	*2*	*1*

TC TSTATS

STATISTICS

PROJECT BOECK

DATE 1/7/2002

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES
5N	6W	24	AREA 2 TAKE	TK02	125.00	28	27

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	28	82	2.9		
CRUISE	9	27	3.0	4,536	.6
REFOREST					
COUNT	15	55	3.7		
BLANKS	4				
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	27	36.3	20.3	77		81.7	14,127	13,314	3,482	3,445
TOTAL	*27*	*36.3*	*20.3*	*77*		*81.7*	*14,127*	*13,314*	*3,482*	*3,445*

TREES/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	70.4	13.3	31	36	41			
TOTAL	*70.4*	*13.3*	*31*	*36*	*41*	*199*	*50*	*22*

BASAL AREA/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	70.1	13.2	71	82	92			
TOTAL	*70.1*	*13.2*	*71*	*82*	*92*	*197*	*49*	*22*

NET BF/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	70.7	13.4	11,535	13,314	15,092			
TOTAL	*70.7*	*13.4*	*11,535*	*13,314*	*15,092*	*200*	*50*	*22*

TC TSTATS

STATISTICS

PROJECT BOECK

DATE 1/7/2002

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES
5N	6W	24	ROAD ROW	ROAD	3.00	66	199

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	66	586	8.9		
CRUISE	23	199	8.7	310	64.2
REFOREST					
COUNT	43	387	9.0		
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
DOUG FIR	181	91.6	21.5	82		231.6	45,524	43,110	10,532	10,427
WR CEDAR	8	4.7	16.7	36		7.2	591	589	197	197
R ALDER	6	3.5	16.9	59		5.5	740	727	198	198
WHEMLOCK	4	3.4	12.6	25		3.0	211	193	55	54
TOTAL	*199*	*103.3*	*21.0*	*77*		*247.3*	*47,067*	*44,620*	*10,982*	*10,875*

TREES/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	38.6	4.8	87	92	96			
WR CEDAR	327.0	40.3	3	5	7			
R ALDER	312.7	38.5	2	4	5			
WHEMLOCK	301.2	37.1	2	3	5			
TOTAL	*33.3*	*4.1*	*99*	*103*	*107*	*44*	*11*	*5*

BASAL AREA/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	29.6	3.6	223	232	240			
WR CEDAR	283.1	34.8	5	7	10			
R ALDER	311.4	38.3	3	6	8			
WHEMLOCK	292.5	36.0	2	3	4			
TOTAL	*25.9*	*3.2*	*239*	*247*	*255*	*27*	*7*	*3*

NET BF/ACRE

SD: 1	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	30.0	3.7	41,519	43,110	44,701			
WR CEDAR	281.2	34.6	385	589	794			
R ALDER	312.2	38.4	447	727	1,006			
WHEMLOCK	344.2	42.4	111	193	275			
TOTAL	*27.7*	*3.4*	*43,100*	*44,620*	*46,140*	*31*	*8*	*3*

TC TSTNDSUM

Stand Table Summary

Project BOECK

T5N R6W S24 TLV01

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
5N	6W	24	AREA 1 LEAVE	LV01	197.00	38	59

Date: 1/7/02
***Time:* 12:37:57PM**

Spc	S T	Sample DBH	Trees	FF 16	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net *Bd.Ft.*	Tons/ *Acre*	Net Cu.Ft. Acre	Net *Bd.Ft.* Acre	Totals Tons	Totals Cunits	Totals MBF
DL		16	1	84	84	1.512	2.11	3.02	23.0	75.0		70	227		137	45
DL		18	3	85	86	3.585	6.33	7.17	29.3	90.0		210	645		414	127
DL		19	1	87	123	1.080	2.13	3.24	29.7	120.0		96	389		189	77
DL		20	6	87	114	5.828	12.72	16.52	34.0	130.6		562	2,157		1,106	425
DL		21	2	86	125	1.768	4.25	5.31	37.0	155.0		196	822		387	162
DL		22	3	86	114	2.400	6.33	7.20	39.2	151.1		282	1,088		556	214
DL		23	4	86	125	2.949	8.51	8.85	44.3	184.2		391	1,629		771	321
DL		24	8	87	116	5.387	16.92	15.48	48.7	200.0		755	3,097		1,487	610
DL		25	5	87	142	3.120	10.63	9.98	56.1	251.9		560	2,514		1,103	495
DL		26	5	87	117	2.864	10.56	8.59	55.8	244.0		479	2,096		944	413
DL		27	5	88	154	2.675	10.63	8.02	73.7	332.7		591	2,669		1,164	526
DL		28	4	87	125	1.979	8.46	5.94	68.1	298.5		404	1,772		797	349
DL		30	1	88	148	.430	2.11	1.72	66.5	345.0		114	594		225	117
DL		31	1	84	150	.406	2.13	1.22	93.0	410.0		113	499		223	98
DL		32	1	83	117	.378	2.11	1.13	82.7	310.0		94	352		185	69
DL		33	1	85	134	.358	2.13	1.07	101.0	463.3		108	498		214	98
DL		34	1	88	155	.337	2.13	1.35	73.8	405.0		100	546		196	108
DL		40	1	77	109	.242	2.11	.73	110.7	420.0		80	305		158	60
DL		Totals	53	86	119	37.297	112.31	106.54	48.9	205.6		5,207	21,900		10,257	4,314
AL		14	1	87	76	2.063	2.21	4.13	18.5	70.0		76	289		150	57
AL		24	1	86	87	.702	2.21	1.40	63.0	225.0		88	316		174	62
AL		Totals	2	87	79	2.765	4.41	5.53	29.8	109.4		165	605		325	119
CL		14	1	73	42	2.735	2.92	2.73	18.0	30.0		49	82		97	16
CL		34	1	78	105	.467	2.94	.93	120.0	415.0		112	388		221	76
CL		Totals	2	74	51	3.202	5.87	3.67	44.0	128.0		161	470		318	93
HL		12	1	83	17	1.876	1.47	1.88	9.0	20.0		17	38		33	7
HL		26	1	86	101	.400	1.47	1.20	52.7	246.7		63	296		124	58
HL		Totals	2	84	32	2.276	2.95	3.08	26.0	108.4		80	333		158	66
Totals			59	85	108	45.540	125.54	118.81	47.2	196.2		5613	23,307		11,057	4,592

TC TSTNDSUM

Stand Table Summary

Project BOECK

T5N R6W S24 TLV02

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
5N	6W	24	AREA 2 LEAVE	LV02	125.00	28	58

Date: 1/7/02
Time: 12:37:57PM

Spc	S T	DBH	Sample Trees	FF 16	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net *Bd.Ft.*	Tons/ *Acre*	Net Cu.Ft. Acre	Net *Bd.Ft.* Acre	Totals Tons	Totals Cunits	Totals MBF
DL		20	1	83	105	1.446	3.16	4.34	29.0	93.3		126	405		157	51
DL		21	1	88	121	1.321	3.18	3.96	37.7	133.3		149	528		187	66
DL		22	1	89	111	1.195	3.16	3.59	38.7	113.3		139	406		173	51
DL		23	1	87	133	1.094	3.16	3.28	46.7	190.0		153	623		191	78
DL		24	2	87	132	2.023	6.36	6.07	48.2	206.7		292	1,254		365	157
DL		25	4	87	133	3.716	12.67	11.15	57.3	238.3		639	2,656		799	332
DL		26	6	88	122	5.141	18.95	15.42	57.3	234.5		883	3,616		1,104	452
DL		27	5	86	144	3.985	15.84	11.95	70.7	304.0		846	3,634		1,057	454
DL		28	6	86	146	4.448	19.02	14.09	73.1	331.2		1,030	4,665		1,288	583
DL		29	5	85	145	3.459	15.87	11.76	71.7	327.6		843	3,853		1,054	482
DL		30	4	86	118	2.576	12.64	7.73	74.4	317.5		575	2,453		719	307
DL		31	2	85	151	1.208	6.33	3.62	97.5	441.7		353	1,601		442	200
DL		32	4	87	136	2.264	12.64	6.79	93.4	407.7		635	2,769		793	346
DL		34	2	85	150	1.004	6.33	3.52	97.0	434.4		341	1,528		426	191
DL		36	1	86	121	.446	3.16	1.34	108.3	530.0		145	710		181	89
DL		Totals	45	86	133	35.326	142.46	108.61	65.8	282.7		7,150	30,703		8,937	3,838
AL		14	1	87	60	1.869	2.00	3.74	15.5	55.0		58	206		72	26
AL		17	1	86	81	1.268	2.00	2.54	28.0	95.0		71	241		89	30
AL		18	1	86	79	1.131	2.00	2.26	32.0	110.0		72	249		90	31
AL		20	1	86	91	.916	2.00	2.75	29.0	123.3		80	339		100	42
AL		Totals	4	86	75	5.184	7.99	11.28	24.9	91.7		281	1,034		351	129
CL		11	2	87	38	5.523	3.65	5.52	10.0	30.0		55	166		69	21
CL		20	1	81	80	.835	1.82	1.67	32.5	95.0		54	159		68	20
CL		24	1	88	100	.580	1.82	1.16	60.0	210.0		70	244		87	30
CL		30	1	69	101	.371	1.82	.74	88.5	210.0		66	156		82	19
CL		36	1	73	84	.258	1.82	.52	106.0	355.0		55	183		68	23
CL		Totals	6	85	52	7.568	10.94	9.61	31.2	94.4		300	907		374	113
HL		11	1	86	28	3.016	1.99	3.02	9.0	30.0		27	90		34	11
HL		12	1	86	19	2.534	1.99	2.53	9.0	30.0		23	76		29	10
HL		18	1	88	90	1.126	1.99	3.38	21.3	90.0		72	304		90	38
HL		Totals	3	86	35	6.677	5.97	8.93	13.7	52.7		122	471		153	59
Totals			58	86	104	54.755	167.36	138.44	56.7	239.2		7852	33,115		9,815	4,139