



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Schetky County
Sale 341-11-37

District: Tillamook

Date: July 08, 2010

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$874,636.92	\$8,885.80	\$883,522.72
Project Work:			\$(116,160.00)
Advertised Value:			\$767,362.72



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Schetky County
Sale 341-11-37

District: Tillamook

Date: July 08, 2010

timber description

Location: Portions of Sections 7 and 18, T1S, R6W, W.M., Tillamook County, Oregon.

Stand Stocking: 60%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	15	0	95
Alder (Red)	15	0	90

Volume by Grade	10" - 14"	2S	3S	4S	6" - 7"	8" - 9"	Total
Douglas - Fir	0	2,316	2,143	713	0	0	5,172
Alder (Red)	11	0	0	0	19	14	44
Total	11	2,316	2,143	713	19	14	5,216



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Schetky County
Sale 341-11-37

District: Tillamook

Date: July 08, 2010

comments: Pond Values Used: Local Pond Values.

Western Hemlock and Other Conifers Stumpage Price = Pond Value
minus Logging Cost.

$\$125/\text{MBF} = \$375/\text{MBF} - \$250/\text{MBF}$

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost

$\$650/\text{MBF} = \$900/\text{MBF} - \$250/\text{MBF}$

Pulp (Conifer & Hardwood) Price = \$26.00/MBF

(See attached Pulp Appraisal sheet)

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$700 daily truck cost.

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

Brand and Paint: $\$2/\text{MBF} \times 5,216 \text{ MBF} = \$10,432$

Snag Creation: $\$10/\text{snag} \times 332 \text{ snags} = \$3,320$

TOTAL Other Costs (with Profit and Risk to be added) = \$13,752

Other Costs (No Profit & Risk added):

Stimson Lumber Road Use Fee: \$2,948

Non-Project Road1: $7/\text{sta.} \times \$300/\text{sta.} + 1 \text{ culvert}(\$1000) = \$3,100$

Non-Project Road 2: $20/\text{sta.} \times \$300/\text{sta.} = \$6,000$

Trask Public Safety Road Fee: $\$20/\text{MBF} \times 5,216 \text{ MBF} = \$104,320$

TOTAL Other Costs (No Profit & Risk added) = \$116,368

ROAD MAINTENANCE

Interim Maintenance: $\$250/\text{Mile} \times 16.2 \text{ miles} \times 1 \text{ grading}/5,216 \text{ MBF} = \$0.78/\text{MBF}$

Maintenance Rock: $(\$9.00/\text{cu. yd.} \times 16.2 \text{ miles} \times 20 \text{ cu. yd.}/\text{MMBF}/\text{mile} \times 5.216 \text{ MMBF})/5,216 \text{ MBF} = \$2.92/\text{MBF}$

Vibratory Roller: $\$17.75/\text{sta.} \times 52.8 \text{ sta.}/\text{mile} \times 16.2 \text{ miles}/5216 = \$2.91/\text{MBF}$

END HAUL DITCH material to waste area:

$\$3000/\text{mile} \times 4 \text{ miles} + \$490 (\text{Move-In})/5216 = \$2.39/\text{MBF}$

Final Maintenance:

Grading - $\$500/\text{Mile} \times 16.2 \text{ miles} \times 1 \text{ grading}/5,216 \text{ MBF} = \$1.55/\text{MBF}$

TOTAL Maintenance Cost = \$10.55/MBF



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Schetky County
Sale 341-11-37

District: Tillamook

Date: July 08, 2010

logging conditions

combination#: 1 Douglas - Fir 30.00%
Alder (Red) 20.00%
yarding distance: Long (1,500 ft) **downhill yarding:** No
logging system: Cable: Large Tower >=70 **Process:** Stroke Delimber
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
loads / day: 6.0 **bd. ft / load:** 3,700
cost / mbf: \$172.37

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

combination#: 2 Douglas - Fir 10.00%
Alder (Red) 20.00%
yarding distance: Medium (800 ft) **downhill yarding:** No
logging system: Cable: Medium Tower >40 - <70 **Process:** Stroke Delimber
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
loads / day: 7.0 **bd. ft / load:** 3,700
cost / mbf: \$129.12

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

combination#: 3 Douglas - Fir 60.00%
Alder (Red) 60.00%
yarding distance: Short (400 ft) **downhill yarding:** No
logging system: Cable: Small Tower <=40 **Process:** Stroke Delimber
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
loads / day: 8.0 **bd. ft / load:** 3,700
cost / mbf: \$95.75

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



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Schetky County
Sale 341-11-37

District: Tillamook

Date: July 08, 2010

logging costs

Operating Seasons:	1.00	Profit Risk:	10.00%
Project Costs:	\$116,160.00	Other Costs (P/R):	\$13,752.00
Slash Disposal:	\$0.00	Other Costs:	\$116,368.00

Miles of Road

Road Maintenance: \$10.55

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	2.0	3.7
Alder (Red)	\$0.00	2.0	3.3

Local Pond Values

Date	Specie	Grade	Value
7/8/10	Douglas - Fir	2S	\$455.00
7/8/10	Douglas - Fir	3S	\$440.00
7/8/10	Douglas - Fir	4S	\$435.00
7/8/10	Alder (Red)	8" - 9"	\$520.00
7/8/10	Alder (Red)	10" - 11"	\$555.00
7/8/10	Alder (Red)	6" - 7"	\$435.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Schetky County
Sale 341-11-37

District: Tillamook

Date: July 08, 2010

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$122.07	\$11.08	\$0.84	\$90.29	\$2.64	\$22.69	\$0.00	\$5.00	\$22.31	\$276.92
Alder (Red)									
\$117.75	\$11.61	\$0.84	\$106.06	\$2.64	\$23.89	\$0.00	\$5.00	\$22.31	\$290.10

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$446.03	\$169.11	\$0.00
Alder (Red)	\$0.00	\$492.05	\$201.95	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Schetky County
Sale 341-11-37

District: Tillamook

Date: July 08, 2010

summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	5,172	\$169.11	\$874,636.92
Alder (Red)	44	\$201.95	\$8,885.80

Gross Timber Sale Value

Recovery: \$883,522.72

Prepared by: Dave Luttrell

Phone: 503-815-7025

Pulp Appraisal

Sale Name	Schetky County
------------------	-----------------------

Species	Douglas-fir		Alder	
Stems Per/ac.	164	0	3	0
Acres	225	0	225	0
Total Stems	36900	0	675	0
BF/Stem, Conversion	10	10	10	10
Total MBF Per/Species	369	0	7	0
Pond Value Per/MBF	\$260	\$300	\$340	\$300
* Logging + Hauling Costs	\$212.36	\$0.00	\$212.36	\$0.00
** - Public Safety Road Fee	\$232.36		\$232.36	
Stumpage	\$27.64	\$300.00	\$107.64	\$300.00
Tons Per/MBF, Conversion	10	10	10	10
Price Per/Ton	\$2.76	\$30.00	\$10.76	\$30.00
Total Tons Per/Species	3690	0	68	0
Total Value	\$10,199.16	\$0.00	\$726.57	\$0.00

	Total Price	Price/Ton	Price/MBF
	\$10,925.73	\$2.91	\$29.08
Total Less P/R10%	\$9,833.16	\$2.62	\$26.17

*** Contract Price	\$26.17
---------------------------	----------------

Required Changes

- * Used Douglas-fir logging and hauling price for alder
- ** The Trask River Public Safety Road fee will not be charged against pulp
- *** Pulp price rounded down to nearest whole dollar



PROJECT SUMMARY SHEET

Sale: Schetky County

CONSTRUCTION

Point	E to F	4+00	stations =	\$8,351.40
SUBTOTAL CONSTRUCTION				\$8,351.40

IMPROVEMENT

Point	A to B	334+00	stations =	\$11,831.30
Point	G to H	11+70	stations =	\$699.25
SUBTOTAL IMPROVEMENT				\$12,530.55

RECONSTRUCTION

Point	C to D	32+50	stations =	\$70,455.16
Point	G to H	5+00	stations =	\$7,653.30
SUBTOTAL RECONSTRUCTION				\$78,108.46

SPECIAL PROJECTS

Brush	17.3	miles of road	\$12,110.00
SUBTOTAL SPECIAL PROJECTS			\$12,110.00

MOVE IN

\$5,059.59

GRAND TOTAL

\$116,160.00

SUMMARY OF CONSTRUCTION COST

Sale:

Schetky County

Road:

A to B

<u>Construction -</u>	0+00	stations	<u>Improvement -</u>	334+00	stations	<u>Reconstruction -</u>	0+00	stations
	0.00	miles		6.33	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Scattering - 329+00 to 334+00	0.230	acres @	\$980.00 per acre =	\$225.40	
			TOTAL CLEARING AND GRUBBING		\$225.40

IMPROVEMENT: EXCAVATION -

Road Earthwork - 329+00 to 334+00	5.00	sta. @	\$75.00 per sta. =	\$375.00	
			TOTAL EXCAVATION		\$375.00

ROCK

329+00 to 334+00	380	cy. of	Pit Run	@	\$9.99 per c.y. =	\$3,796.20	
Landing Rock 334+00	100	cy. of	Pit-Run	@	\$9.99 per c.y. =	\$999.00	
Leveling Marked in Field	200	cy. of	Crushed	@	\$14.89 per c.y. =	\$2,978.00	
			TOTAL ROCK				\$7,773.20

SPECIAL PROJECTS

Grade and shape road -329+00 to 334+00	5.00	stations @	\$15.50 per station	\$77.50	
Grade and shape road -0+00 to 329+00	329.00	stations @	\$10.00 per station	\$3,290.00	
Roll subgrade w/ vibratory roller prior to rocking - 329+00 to 334+00	5.00	stations @	\$13.20 per station	\$66.00	
Grass seed and fertilize - 329+00 to 334+00	0.11	acres @	\$220.00 per acre	\$24.20	
			TOTAL SPECIAL PROJECTS		\$3,457.70

GRAND TOTAL

\$11,831.30

SUMMARY OF CONSTRUCTION COST

Sale:

Schetky County

Road:

C to D

Construction -	0+00	stations	Improvement -	0+00	stations	Reconstruction -	32+50	stations
	0.00	miles		0.00	miles		0.62	miles

RECONSTRUCTION: CLEARING AND GRUBBING & ENDHAUL LRG. STUMPS

2.240 acres @ \$980.00 per acre = \$2,195.20

TOTAL CLEARING AND GRUBBING \$2,195.20

RECONSTRUCTION: EXCAVATION, ENDHAUL & REBUILD FILLS & CULV.INST. LANDING CONST.

Road Earthwork	32.50	sta. @	\$235.00	per sta. =	\$7,637.50
Road Widening and Endhaul & Rebuild Fills W/onsite material on C to D	70	hrs. @	\$360.00	per hr. =	\$25,200.00
Drill & Shoot	250	cy. @	\$4.90	per c.y. =	\$1,225.00

TOTAL EXCAVATION \$34,062.50

CULVERTS - MATERIALS & INSTALLATION

Culverts

70	LF of 18"	\$1,225.00	30	LF of 24"	\$810.00
0	LF of 30"	\$0.00	180	LF of 36"	\$5,011.51
		\$1,225.00			\$5,821.51

Culvert Stakes & Markers

6 markers \$48.00
\$48.00

TOTAL CULVERTS \$7,094.51

ROCK

0+00 to 27+50	2,000	cy. of	Pit Run	@	\$10.34 per c.y. =	\$20,680.00
Landing Rock	100	cy. of	Pit-Run	@	\$2.55 per c.y. =	\$255.00
Fill Armor	200	cy. of	Pit-Run	@	\$2.49 per c.y. =	\$498.00
Ditch/Embankment Fill	900	cy. of	Pit-Run	@	\$2.49 per c.y. =	\$2,241.00
Free Drain 9+50	20	cy. of	Pit-Run	@	\$2.49 per c.y. =	\$49.80

TOTAL ROCK \$23,723.80

SPECIAL PROJECTS

Install Free Drain @ 9+50 (Rock & Fabric)

Construct waste areas -	6.00	hours @	\$130.00	per hour	\$300.00
Construct Landings -	4.00	@	\$280.00	each	\$1,120.00
Grade and shape road -	32.50	stations @	\$15.50	per station	\$503.75
Roll subgrade w/ vibratory roller prior to rocking -	32.50	stations @	\$13.20	per station	\$429.00
Grass seed and fertilize -	1.12	acres @	\$220.00	per acre	\$246.40

TOTAL SPECIAL PROJECTS \$3,379.15

GRAND TOTAL

\$70,455.16

SUMMARY OF CONSTRUCTION COST

Sale:

Schetky County

Road:

E to F

Construction -	4+00	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.08	miles		0.00	miles		0.00	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station			
0+00		4+00	35%		Ditch	\$256	=	\$1,024.00	
								TOTAL	\$1,024.00

ROCK

0+00	to	4+00	220	cy. of	Pit Run	@	\$9.06 per c.y.=	\$1,993.20	
0+00	to	4+00	110	cy. of	Crushed	@	\$16.78 per c.y.=	\$1,845.80	
Road Block		0+00	20	cy. of	Riprap	@	\$8.98 per c.y.=	\$179.60	
								TOTAL ROCK	\$4,018.60

SPECIAL PROJECTS

Gate - Includes Materials & Installation								\$3,000.00	
Remove gate assembly -								\$150.00	
Grade and shape road -			4.00	stations @	\$15.50	per station		\$62.00	
Roll subgrade w/ vibratory roller prior to rocking -			4.00	stations @	\$13.20	per station		\$52.80	
Grass seed and fertilize -			0.20	acres @	\$220.00	per acre		\$44.00	
								TOTAL SPECIAL PROJECTS	\$3,308.80

GRAND TOTAL **\$8,351.40**

SUMMARY OF CONSTRUCTION COST

Sale:

Schetky County

Road:

G to H

Construction -	0+00	stations	Improvement -	11+70	stations	Reconstruction -	5+00	stations
	0.00	miles		0.22	miles		0.09	miles

RE-CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station			
11+70		16+70	30%		Outslope	\$200	=	\$1,000.00	
								TOTAL	\$1,000.00

IMPROVEMENT: EXCAVATION -
Road Earthwork - 0+00 to 1+00

1.00	sta. @	\$150.00	per sta. =	\$150.00	
				TOTAL EXCAVATION	\$150.00

ROCK

11+80	to	16+70	440	cy. of	Pit Run	@	\$10.04 per c.y.=	\$4,417.60	
Landing/Heliport Rock		16+70	170	cy. of	Pit-Run	@	\$10.04 per c.y.=	\$1,706.80	
Junction Rock		0+00	30	cy. of	Pit-Run	@	\$9.68 per c.y.=	\$290.40	
								TOTAL ROCK	\$6,414.80

SPECIAL PROJECTS

Construct 70 foot heliport/Landing	3.00	hours @	\$145.00	per hour	\$435.00	
Grade and shape road -	16.70	stations @	\$15.50	per station	\$258.85	
Roll subgrade w/ vibratory roller prior to rocking -11+70 to 16+70	5.00	stations @	\$13.50	per station	\$67.50	
Grass seed and fertilize -	0.12	acres @	\$220.00	per acre	\$26.40	
TOTAL SPECIAL PROJECTS						\$787.75

GRAND TOTAL **\$8,352.55**

Move-In Calculations for Project Work not Involving Rocking/Pit Work

Sale: **Schetky County**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
22.0	Pavement	30
30.0	Main Lines	7
3.0	Steep Grades	2

No.	EQUIPMENT DESCRIPTION	Move in Cost	Pilot Cars	Within Area Move (\$/mile)	Begin Mileage	End Mileage	Total Miles	Within Area Cost	Total Cost
1	Drill & Compressor	\$990.84		\$46.00	0.00	0.00	0	\$0.00	\$990.84
1	Excavators (Large)	\$1,360.40	1	\$44.80	0.00	5.30	5.3	\$237.44	\$1,597.84
1	Tractor (D8)	\$1,257.31	2	\$15.10	0.00	5.30	5.3	\$80.03	\$1,337.34
2	Dump Truck (10 cy +)	\$762.67		\$2.85	0.00	0.00	0	\$0.00	\$762.67
1	Water Truck (2500 Gal)	\$370.90		\$2.85	0.00	0.00	0	\$0.00	\$370.90
				TOTAL MOVE-IN COSTS:					\$5,059.59

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit: Pit_run
 Sale: Schetky County

Location: 1S 6W Section 17

Total Truck Loads: 4580 c.y.

Note: Rock for C to D Emb./Fill/Lnd.
 Included in C to D cost sheet.

Pit Development & Cleanup including sorting of boulders and clearing and scattering brush						\$860.00
Rip Rock:	\$1.90 /cu.yd.	x	3360 cu.yds.	=		\$6,384.00
Screen/sort rock	\$1.35 /cu.yd.	x	3360 cu.yds.	=		\$4,536.00
Haul Screened Material	\$1.80 /cu.yd.	x	336 cu.yds.	=		\$604.80
Load Dump Truck:	\$0.70 /cu.yd.	x	3360 cu.yds.	=		\$2,352.00
					Subtotal	\$14,736.80

Move in Roller and Compactor	1	@	\$917.32	=		\$917.32
Move in Grader	1	@	\$1,077.00	=		\$1,077.00
Move in Excavator (within area)	1	@	\$237.44	=		\$237.44
Move in Trucks	4	@	\$310.51	=		\$1,242.04
					Subtotal	\$3,473.80

Base Cost= \$5.42 Per Cu.Yd.

TOTAL PRODUCTION COSTS \$18,210.60

Road Segment	Haul Cost \$/cu.yd.	Proc Cost \$/cu.yd.	Base Cost. \$/cu.yd.	Cost \$/cu.yd.	Number Cu. Yds	ROCK COST
A to B 32900 33400 (Pit Run)	3.27	1.30	5.42	9.99	380	\$3,796.20
A to B Landing Rock (Pit-Run)	3.27	1.30	5.42	9.99	100	\$999.00
C to D 0 2750 (Pit Run)	3.62	1.30	5.42	10.34	2000	\$20,680.00
C to D Landing Rock (Pit-Run)	1.25	1.30	0.00	2.55	100	\$255.00
C to D Fill Armor (Pit-Run)	1.09	1.40	0.00	2.49	200	\$498.00
C to D Ditch/Embankment Fill (Pit-Run)	1.09	1.40	0.00	2.49	900	\$2,241.00
C to D Free Drain (Pit-Run)	1.09	1.40	0.00	2.49	20	\$49.80
E to F 0 400 (Pit Run)	2.34	1.30	5.42	9.06	220	\$1,993.20
E to F Road Block (Riprap)	2.26	1.30	5.42	8.98	20	\$179.60
G to H 11+70 16+70	3.32	1.30	5.42	10.04	440	\$4,417.60
G to H Landing/Heliport Rock (Pit-Run)	3.32	1.30	5.42	10.04	170	\$1,706.80
G to H Junction Rock (Pit-Run)	2.96	1.30	5.42	9.68	30	\$290.40
				Total C.Y.	4580	Sub Total \$37,106.60

TOTAL ROCKING COSTS \$37,106.60

CRUSHING COST SUMMARY

Sale:	Crushed Schetky County	Location:	N.F. Trask 1/2 Stockpile
		Road:	310 c.y.
		Total Truck Loads:	310 c.y.

Load Dump Truck:	\$0.70	/cu.yd.	x	310	cu.yds.	=	\$217.00
------------------	--------	---------	---	-----	---------	---	----------

	Subtotal	\$217.00
--	----------	----------

Move in excavator to load (within area)	1	@	\$200.00	=	\$200.00
Move in Trucks (within area)	1	@	\$70.00	=	\$70.00
			Subtotal		\$270.00

Base Cost=	\$1.57	Per Cu.Yd.
------------	--------	------------

TOTAL PRODUCTION COSTS	\$487.00
------------------------	----------

Road Segment	Haul Cost \$/cu.yd.	Proc Cost \$/cu.yd.	Base Cost. \$/cu.yd.	Cost \$/cu.yd.	Number Cu. Yds	ROCK COST
A to B Leveling (Crushed)	12.22	1.10	1.57	14.89	200	\$2,978.00
E to F 0 400 (Crushed)	12.76	2.45	1.57	16.78	110	\$1,845.80
				Total C.Y.	310	Sub Total
						\$4,823.80

TOTAL ROCKING COSTS	\$4,823.80
---------------------	------------

TC		PLOGSTVB		Log Stock Table - MBF																
<div>T01S R06W S18 TyMC118.00</div>				Project:		SCHETKY1										Page		1		
				Acres		118.00										Date		6/7/2010		
																Time		7:01:39AM		
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spe	Net Volume by Scaling Diameter in Inches												
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+	
DF		CO 2	40	1,496		1,490	46.6			7	9	100	500	526	321	27				
DF		CO 3	17	6		6	.2		6											
DF		CO 3	40	1,071		1,068	33.4		24	257	333	367	86							
DF		CO 4	12	2		2	.1		2											
DF		CO 4	13	4		4	.1		2	1	1									
DF		CO 4	14	6		6	.2		5	1										
DF		CO 4	15	3		3	.1		2	1										
DF		CO 4	16	27		27	.8		27											
DF		CO 4	17	1		1	.0		1											
DF		CO 4	18	6		6	.2		6											
DF		CO 4	19	18		18	.6		18											
DF		CO 4	20	14		14	.5		11		4									
DF		CO 4	21	17		17	.5		17											
DF		CO 4	22	9		9	.3			9										
DF		CO 4	23	7		7	.2		7											
DF		CO 4	25	17		17	.5		17											
DF		CO 4	26	9		9	.3		9											
DF		CO 4	27	11		11	.4		11											
DF		CO 4	29	8		8	.3		8											
DF		CO 4	30	4		4	.1		4											
DF		CO 4	31	2		2	.1		2											
DF		CO 4	32	7		7	.2		7											
DF		CO 4	33	16		16	.5		16											
DF		CO 4	34	10		10	.3		10											
DF		CO 4	35	6		6	.2		6											
DF		CO 4	36	20		20	.6		20											
DF		CO 4	37	3		3	.1		3											
DF		CO 4	38	9		9	.3		9											
DF		CO 4	39	3		3	.1		3											
DF		CO 4	40	48		48	1.5		30	18										
DF		CO 2	32	346		344	10.8			344										
DF		Totals		3,206		3,195	96.2		282	639	346	467	586	526	321	27				
RA		H 3	32	12		12	24.9					12								
RA		H 4	34	11		11	23.3			11										
RA		H 4	38	10		10	21.4			10										
RA		H 4	40	15		15	30.4				15									

TC		PLOGSTVB		Log Stock Table - MBF															
<div>T01S R06W S18 TyMC118.00</div>				Project:		SCHETKY1										Page		2	
				Acres		118.00										Date		6/7/2010	
																Time		7:01:39AM	
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spe	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
RA		Totals		48		48	1.5			22	15	12							
DL		CO 2	12	5		5	5.8							5					
DL		CO 2	40	55		55	69.6							19	35				
DL		CO 3	40	17		17	21.5					6	11						
DL		CO 4	16	1		1	1.2			1									
DL		CO 4	26	1		1	1.0			1									
DL		CO 4	27	1		1	1.0			1									
DL		Totals		78		78	2.4		2	1		6	11	24	35				
Total		All Species		3,333		3,322	100.0		284	662	361	485	597	526	345	62			

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page		1																
				Project: SCHETKY1										Date		6/7/2010																
														Time		7:54:35AM																
T01S R06W S07 TMC										T01S R06W S07 TMC																						
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		CuFt		BdFt														
01S		06W		07		AREA 2		MC		107.00		27		95		S		W														
S Spp		So T		Gr rt		%		Net BdFt		Bd. Ft. per Acre		Def%		Gross		Net		Total Net MBF		Percent Net Board Foot Volume								Average Log			Logs Per /Acre	
																				Log Scale Dia.				Log Length				Ln				
DF	CO	2	26	1.9	5,751	5,640	603	100									100	40	220	1.44			25.6									
DF	CO	3	53	.4	11,170	11,130	1,191	98	2					0	2	98	40	94	0.65			118.0										
DF	CO	4	21		4,249	4,249	455	100					20	28	20	32	27	29	0.31			144.4										
DF	Totals		97	.7	21,170	21,019	2,249	20	52	28			4	6	5	85	33	73	0.59			288.0										
DL	CO	2	86		649	649	69	100								100	40	350	2.14			1.9										
DL	CO	3	11		82	82	9	100								100	40	90	0.83			.9										
DL	CO	4	3		21	21	2	100						100			30	40	0.63			.5										
DL	Totals		3		751	751	80	14	86				3			97	38	229	1.58			3.3										
Type Totals				.7	21,921	21,770	2,329	20	51	30			4	6	5	86	34	75	0.61			291.3										

TC TLOGSTVB

Log Stock Table - MBF

Project: SCHETKY1

T01S R06W S07 TMC

T01S R06W S07 TMC

Twp Rge Sec Tract Type Acres Plots Sample Trees
 01S 06W 07 AREA 2 MC 107.00 27 95

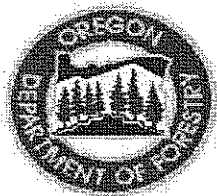
Page 1
 Date 6/7/2010
 Time 7:55:41AM

Spp	S	So	Gr	Log	Gross	% Def	Net	% Spc	Net Volume by Scaling Diameter in Inches											
									2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	CO	2	40		615	1.9	603	26.8					472	131						
DF	CO	3	29		4		4	.2			4									
DF	CO	3	32		21		21	.9					21							
DF	CO	3	39		5		5	.2			5									
DF	CO	3	40		1,165	.4	1,161	51.6			439	307	390	25						
DF	CO	4	12		3		3	.1		3										
DF	CO	4	15		9		9	.4		9										
DF	CO	4	16		61		61	2.7		61										
DF	CO	4	18		5		5	.2		5										
DF	CO	4	19		3		3	.1		3										
DF	CO	4	20		8		8	.4		8										
DF	CO	4	21		4		4	.2		4										
DF	CO	4	22		6		6	.3		6										
DF	CO	4	23		17		17	.8		17										
DF	CO	4	25		7		7	.3		7										
DF	CO	4	27		51		51	2.3		51										
DF	CO	4	28		8		8	.4		8										
DF	CO	4	29		3		3	.1		3										
DF	CO	4	30		33		33	1.5		33										
DF	CO	4	31		20		20	.9		20										
DF	CO	4	32		4		4	.2		4										
DF	CO	4	33		28		28	1.3		28										
DF	CO	4	34		28		28	1.2		28										
DF	CO	4	35		12		12	.5		12										
DF	CO	4	36		35		35	1.6		35										
DF	CO	4	37		6		6	.2		6										
DF	CO	4	38		33		33	1.5		33										
DF	CO	4	39		56		56	2.5		56										
DF	CO	4	40		15		15	.7		15										
DF	Totals				2,265		2,249	96.5		455	448	307	412	497	131					
DL	CO	2	40		69		69	86.4						51	19					
DL	CO	3	40		9		9	10.9			9									
DL	CO	4	30		2		2	2.7			2									
DL	Totals				80		80	3.5			2	9			51	19				
Total All Species					2,346		2,329	100.0		455	450	315	412	497	182	19				

Stand Table Summary																
TC		TSTNDSUM														
Project SCHETKY1																
T01S R06W S18 TMC													T01S R06W S18 TMC			
Twp	Rge	Sec	Tract	Type				Acres		Plots	Sample Trees			Page:	1	
01S	06W	18	AREA 1	MC				118.00		44	133			Date:	06/09/2010	
													Time:	12:08:31PM		
Spc	S T	Sample		Av		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		DBH	Trees	FF 16'	Ht Tot				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DF		9	4	81	35	12.955	5.72	12.95	3.3	15.0	1.21	42	194	143	50	23
DF		10	3	91	24	7.870	4.29	7.87	5.6	20.0	1.25	44	157	148	52	19
DF		11	5	87	81	12.369	8.16	17.40	12.0	47.0	5.94	208	818	701	246	97
DF		12	7	87	77	13.452	10.57	22.56	12.2	45.5	7.83	275	1,026	924	324	121
DF		13	1	76	111	1.552	1.43	3.10	14.8	50.0	1.31	46	155	155	54	18
DF		14	7	84	95	9.369	10.02	18.74	16.7	60.7	8.95	314	1,138	1,056	370	134
DF		15	8	84	88	10.683	13.11	19.63	21.0	75.0	11.78	413	1,473	1,390	487	174
DF		16	3	86	99	3.435	4.80	6.87	23.7	93.5	4.63	163	642	547	192	76
DF		17	7	84	104	7.052	11.11	13.20	29.3	108.3	11.01	387	1,428	1,299	456	169
DF		18	11	86	108	9.713	17.17	20.55	31.1	120.7	18.24	640	2,480	2,152	755	293
DF		19	13	86	111	10.314	20.31	21.35	35.6	140.3	21.64	759	2,996	2,554	896	353
DF		20	8	86	107	5.900	12.87	12.01	38.1	142.1	13.04	458	1,707	1,539	540	201
DF		21	8	86	110	5.543	13.33	14.08	35.8	135.2	14.36	504	1,904	1,694	595	225
DF		22	12	83	114	7.376	19.47	18.74	41.0	156.7	21.87	768	2,935	2,581	906	346
DF		23	6	86	128	3.166	9.13	8.01	47.0	205.1	10.73	376	1,642	1,266	444	194
DF		24	3	85	118	1.688	5.30	4.43	48.1	194.9	6.07	213	864	716	251	102
DF		25	2	84	128	.839	2.86	2.52	47.7	200.0	3.42	120	504	404	142	59
DF		26	1	86	113	.513	1.89	1.54	49.0	210.0	2.15	75	323	253	89	38
DF		27	3	88	132	1.206	4.80	3.62	61.4	277.5	6.33	222	1,004	747	262	119
DF		29	1	82	136	.312	1.43	.62	94.5	420.0	1.68	59	262	198	70	31
DF		30	1	71	109	.291	1.43	.58	91.7	260.0	1.52	53	152	180	63	18
DF		31	1	88	143	.273	1.43	.82	88.3	436.7	2.06	72	358	243	85	42
DF		Totals	115	85	88	125.873	180.64	231.20	26.9	104.5	177.04	6,211	24,162	20,891	7,329	2,851
DL		28	4	85	118	.912	3.90	2.31	60.5	287.5	3.85	140	665	454	165	78
DL		Totals	4	85	118	.912	3.90	2.31	60.5	287.5	3.85	140	665	454	165	78
RA		14	1	75	50	1.913	2.05	1.91	24.2	50.0	1.27	46	96	150	55	11
RA		16	1	86	49	1.465	2.05	1.46	27.0	60.0	1.09	40	88	129	47	10
RA		19	1	82	63	1.039	2.05	1.04	48.2	120.0	1.38	50	125	163	59	15
RA		21	1	79	47	.850	2.05	.85	47.2	120.0	1.10	40	102	130	47	12
RA		Totals	4	80	52	5.268	8.18	5.27	33.4	77.9	4.84	176	410	572	208	48
OC		9	1	84	76	4.984	2.20									
OC		20	1	80	121	.417	.91									
OC		36	2	41	21	.412	2.91									
OC		40	2	66	23	.419	3.66									
OC		45	1	85	27	.199	2.20									
OC		46	1	53	24	.138	1.59									
OC		48	1	37	20	.116	1.45									
OC		55	1	76	38	.088	1.45									
OC		Totals	10	78	68	6.773	16.38									
Totals			133	85	86	138.825	209.10	238.78	27.3	105.7	185.73	6527	25,237	21,917	7,702	2,978

T		Species, Sort Grade - Board Foot Volumes (Type)										Page		1					
		Project: SCHETKY1										Date		5/27/2010					
												Time		3:56:15PM					
T01S R06W S18 TMC										T01S R06W S18 TMC									
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt										
01S	06W	18	AREA 1	MC	118.00	44	133	S	W										
S So Gr Spp T rt ad		%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log			Logs Per /Acre	
							Log Scale Dia.				Log Length				Ln	Bd	CF/ Lf		
		Net BdFt	Def%	Gross	Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	Ft			
DF	CO	2	46	.4	12,676	12,625	1,490	8	80	12	100				40	266	1.58	47.5	
DF	CO	3	34	.3	9,128	9,103	1,074	3	89	8	1				99	39	100	0.71	90.8
DF	CO	4	9		2,434	2,434	287	88	12		28	29	14	29	24	26	0.31	93.0	
DF	CO	2	11	.5	2,931	2,917	344	100			100				32	100	0.79	29.2	
DF	Totals		96	.3	27,169	27,079	3,195	9	45	40	6	3	3	12	83	33	104	0.80	260.4
RA	H	3	24		102	102	12	100			100				32	120	1.48	.9	
RA	H	4	76		308	308	36	100			31				69	37	70	0.84	4.4
RA	Totals		1		410	410	48	100			48				52	36	78	0.93	5.3
DL	CO	2	75		501	501	59	100			8				92	33	549	3.07	.9
DL	CO	3	21		143	143	17	35			65	100				40	204	1.37	.7
DL	CO	4	4		21	21	2	61	39		39	61				22	30	0.49	.7
DL	Totals		2		665	665	78	2	9	14	75	7	2	91		32	287	1.89	2.3
Type Totals				.3	28,244	28,154	3,322	9	45	39	7	3	3	12	82	33	105	0.82	268.0

TC		TSTNDSUM															Stand Table Summary																											
															Project															SCHETKY1														
T01S R06W S07 TMC																														T01S R06W S07 TMC														
Twp		Rge		Sec		Tract				Type		Acres		Plots		Sample Trees				Page:		1																						
01S		06W		07		AREA 2				MC		107.00		27		95				Date:		06/09/2011																						
																														Time:		12:07:30PM												
Spc	S T	Sample		Av						Average Log				Net		Net				Totals																								
		DBH	Trees	FF 16'	Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Net Cu.Ft.	Net Bd.Ft.	Tons/ Acre	Cu.Ft. Acre	Bd.Ft. Acre	Tons	Cunits	MBF																												
DF		8	3	85	37	19.664	6.86	19.66	3.7	20.0	2.07	73	393	222	78	42																												
DF		9	5	84	40	25.896	11.44	25.90	5.8	28.0	4.30	151	725	460	161	78																												
DF		10	6	86	57	25.171	13.73	25.17	10.0	36.7	7.15	251	923	765	269	99																												
DF		11	8	85	72	27.736	18.30	27.74	14.7	55.0	11.62	408	1,525	1,243	436	163																												
DF		12	7	85	77	20.393	16.02	26.22	14.6	54.4	10.94	384	1,427	1,171	410	153																												
DF		13	4	85	75	9.929	9.15	14.89	15.4	55.0	6.55	230	819	701	246	88																												
DF		14	7	83	74	14.982	16.02	21.40	19.0	64.0	11.65	407	1,370	1,247	436	147																												
DF		15	5	85	91	9.322	11.44	16.78	21.3	81.1	10.22	358	1,361	1,094	383	146																												
DF		16	7	83	84	11.471	16.02	21.30	22.8	80.0	13.84	485	1,704	1,481	519	182																												
DF		17	7	87	97	10.161	16.02	21.77	25.8	101.3	16.04	563	2,206	1,716	602	236																												
DF		18	8	85	88	10.358	18.30	19.42	30.6	108.7	16.94	594	2,110	1,812	636	226																												
DF		19	9	87	96	10.459	20.59	20.92	34.3	122.2	20.45	717	2,557	2,188	768	274																												
DF		20	8	85	111	8.390	18.30	16.78	38.4	139.4	18.38	645	2,339	1,967	690	250																												
DF		21	2	85	86	1.903	4.58	3.81	38.9	117.5	4.22	148	447	452	159	48																												
DF		22	1	86	104	.867	2.29	1.73	48.1	180.0	2.38	83	312	254	89	33																												
DF		23	2	83	102	1.586	4.58	3.17	52.0	165.0	4.70	165	523	503	177	56																												
DF		25	1	85	87	.671	2.29	1.34	54.5	205.0	2.09	73	275	223	78	29																												
DF		Totals	90	85	70	208.959	205.93	288.01	19.9	73.0	163.55	5,735	21,019	17,500	6,137	2,249																												
DL		23	1	84	87	.513	1.48	1.03	46.6	165.0	1.32	48	169	141	51	18																												
DL		24	1	84	111	.472	1.48	.94	59.5	225.0	1.54	56	212	165	60	23																												
DL		25	2	83	109	.869	2.96	1.30	72.8	283.3	2.61	95	369	279	102	40																												
DL		Totals	4	84	103	1.854	5.93	3.27	60.7	229.4	5.47	199	751	585	213	80																												
OC		22	1	75	46	.561	1.48																																					
OC		Totals	1	75	46	.561	1.48																																					
Totals		95	85	71	211.375	213.33	291.29	20.4	74.7	169.02	5934	21,770	18,085	6,349	2,329																													



"STEWARDSHIP IN FORESTRY"

Schetky County

Volume Summary

Area 1-Modified Clearcut				
118 acres				
SPECIES	Gross MBF/ Acre	Gross MBF	Hidden & Visible D&B	Net Vol MBF
Douglas-fir	27.2	3206	5%	3036
Alder	0.4	48	10%	44
TOTAL	27.6	3254		3080

Areas 2-Modified Clearcut				
107 acres				
SPECIES	Gross MBF/ Acre	Gross MBF	Hidden & Visible D&B	Net Vol MBF
Douglas-fir	21.2	2265	6%	2136
TOTAL	21.2	2265		2136

TOTAL SALE VOLU	225	acres
SPECIES	Net Vol. (MBF)	
Douglas-fir	5172	
Red Alder	44	
TOTAL	5216	



OREGON DEPARTMENT OF FORESTRY CRUISE REPORT *Schetky County*

1. Type of Sale

Regeneration harvest, Recovery

2. Legal Description

Sections 7 and 18, T 1 S, R 6 W, W.M. Tillamook County, Oregon

3. Sale Acreage

Sale acreage was determined by GPS and orthophotographs along with GIS.

	ACRES	
	<u>Gross</u>	<u>Net</u>
Area 1 (Clearcut)	140	118
Area 2 (Clearcut)	123	107

Gross Acres

Area within the Timber Sale Boundary signs

Net acres

Used for calculating the advertised volume.

Gross acres, less green tree retention, roads, Non-required thinning areas, and riparian areas classified as Special Stewardship in LMCS inside the sale boundary.

4. Cruising Procedures

A. Cruise Method

A total of 71 variable radius plots were used on the sale area, spaced on a rectangular grid of 166' x 660'. 27 plots were count plots and 44 were full cruise plots. All conifers 8 inches DBH and greater containing 20 net board feet and all hardwoods 10 inches DBH and greater containing 30 net board feet were recorded on all plots. Species were recorded on all trees, and they were graded and measured for merchantable height, diameter, and form factor.

B. Plot size

A basal area factor of 27.7 was used for the sale area. The point of observation is 4.5 feet.

C. Grading System

All trees were graded according to Columbia River Log Scaling and Grading Rules. Tree heights were recorded to a 6 inch top outside bark for all conifers and 7 inches top outside bark for hardwoods; or three tenths (0.3) of DBH for all species, whichever was greater. Log lengths all favored 40 feet for all species. Height and diameter measurement standards were to the nearest foot or inch respectively.

5. Computation Procedure

Plot data was entered into SuperAce for computation of basal area, stand tables, and volume for each species and type. This data was then entered into the Volume Summary table to compute sale volumes. The standard error for the cruise was 10.3% and the coefficient of variation was 51.3 % based on 24 MBF per acre.

6. Hidden and Visible Defect and Breakage

5% hidden defect and breakage was taken on conifers and 10% hidden defect and breakage was taken on hardwoods. In Area 1 there was 0.3 percent visible defect and in Area 2 there was 0.7 percent visible defect for conifer. There was no visible defect observed for Alder.

7. Timber Description

The majority of the sale was aerial seeded in the early 1960's, about 10-15 acres on the eastern side of Area1 was naturally regenerated. Portions of Area 1 were partial cut in the mid 1990's. The sale areas are predominantly 50 year old closed single canopy stands that are primarily Douglas-fir with a small amount of hemlock and alder. The alder is straight and appears to be unsprayed. There are some large snags with fire scars present. There is a small pocket of root disease in the southwest portion of Area 2.

8. Cruiser Names/Dates

Dave Luttrell, Dave Wells, Nick Stumpf
May 2010

9. Revenue Distribution

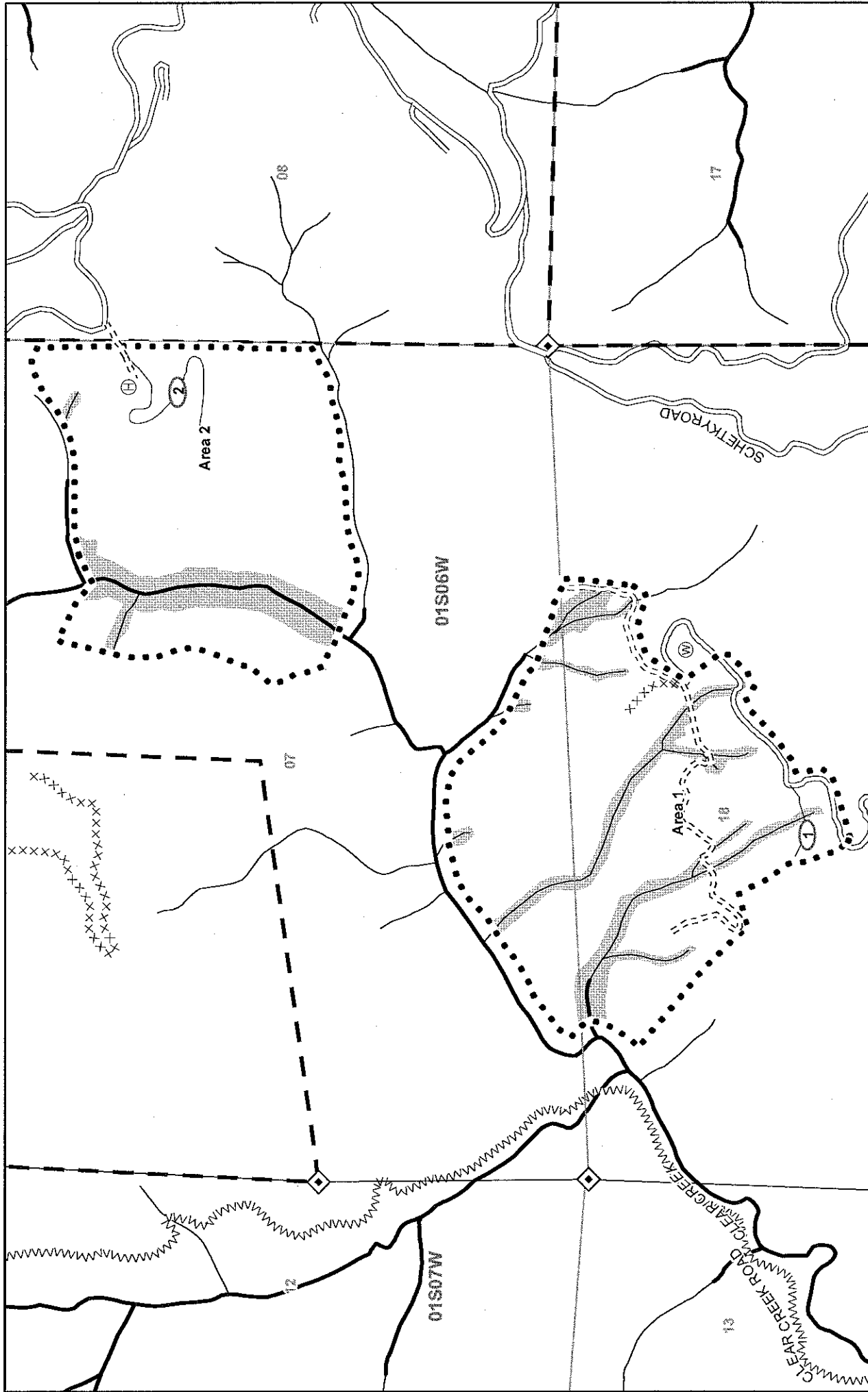
FDF 100%
Tax Code: 9-2
Deed Numbers: 161

10. Attachments

Stand Table (partial cut)
Volume Summaries
Log Stock Tables
Logging Plan

11. Stand and Log Stock Tables Species Key

DL – Douglas-fir leave
DF – Douglas-fir take
RA – Red alder take
RC – Western red cedar reserved
WL – Western hemlock leave



LOGGING PLAN
 Timber Sale Contract No. 341-11-37
 Schetky County
 Portions of Sections 7 and 18
 T1S, R6W, W.M.,
 Tillamook County, Oregon

Area **Type of Operation** **Acres**
 Gross Net

1	Modified clearcut	140	118
2	Modified clearcut	123	107
Total		263	225

Tillamook District GIS
 05-27-2010
 This product is for informational use and may not have been prepared or suitable for legal, engineering, or surveying purposes.

Legend:

- Rock source
- Stock pile
- Waste area
- Bridge
- Gate
- Survey corner
- Domestic water supply intake
- Truck turn-around
- Helicopter landing zone
- Cultural site

Legend:

- Area boundary
- Sale boundary
- Ownership boundary
- Perennial Type-F stream
- Perennial Type-N stream
- Unsurfaced road
- Paved road
- Abandoned road

Legend:

- Landing
- Buffer
- Non-required thinning
- Cable yarding
- Ground yarding
- Helicopter yarding
- Downhill yarding
- Green tree retention area

Legend:

- Swing road
- Non-project road
- Blocked road
- Road construction
- OHV trail
- Non-motorized trail
- Transmission line
- Railroad