

# PART IV: OTHER INFORMATION

State Timber Sale Contract  
No. 341-10-61  
Double Fish

## NOTICE OF TRANSFER OF STATE TIMBER

Instructions

629:-Form-301-010

Complete Section 1. Mark the box which applies to you/your company in Section 2. Complete Section 3 and obtain signatures.

### SECTION 1

On \_\_\_\_\_, state timber sale purchaser (Transferor)  
\_\_\_\_\_, sold, exchanged or otherwise transferred to  
\_\_\_\_\_, (Transferee) state timber originating from State  
Timber Sale Contract No. \_\_\_\_\_.

Transferee hereby certifies that they:

- (a) Will not export the unprocessed state timber which is the subject of this transaction;
- (b) Will not sell, transfer, exchange or otherwise convey the unprocessed timber which is the subject of this transaction to any other person without first obtaining a like certification from that person.
- (c) Are not prohibited by OAR's 629-31-005 through 045 from purchasing state timber or logs directly from the State Forester, or this is a sale of Western Red Cedar for domestic processing.

### SECTION 2

- Have not exported unprocessed timber originating from private lands in Oregon in the last 24 months.
- This is a sale of hardwood logs for domestic processing.
- This is a sale of Western Red Cedar for domestic processing.
- This is a sale of pulp logs or cull logs processed at domestic pulp mills, domestic chip plants or other domestic operations for the purpose of conversion of the logs into chips.

### SECTION 3

The parties understand that falsely entering into this certification, or failure to comply with the terms of this certification is a violation of the Forest Conservation and Shortage Relief Act of 1990 and OAR Chapter 629, Division 31, and is subject to any and all penalties contained therein.

Transferor:

Transferee:

Signed \_\_\_\_\_

Signed \_\_\_\_\_

Title \_\_\_\_\_

Title \_\_\_\_\_

Dated \_\_\_\_\_

Dated \_\_\_\_\_

[Note: For the purpose of this form, the definition of unprocessed timber is the same as in OAR 629-31-005]

Mail To: State Forester  
2600 State Street  
Salem, OR 97310



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Double Fish  
Sale 341-10-61

District: Coos

Date: April 19, 2010

---

**cost summary**

	<b>Conifer</b>	<b>Hardwood</b>	<b>Total</b>
<b>Gross Timber Sale Value</b>	\$2,160,675.45	\$23,995.00	\$2,184,670.45
		<b>Project Work:</b>	\$(57,910.00)
		<b>Advertised Value:</b>	\$2,126,760.45



Timber Sale Appraisal  
 Double Fish  
 Sale 341-10-61

"STEWARDSHIP IN FORESTRY"

District: Coos

Date: April 19, 2010

**timber description**

**Location:** Portions of Section 32, T22S, R10W, W.M., Douglas County, Oregon, and portions of Sections 5 and 6, T23S, R10W, W.M., Coos County, Oregon.

**Stand Stocking:** 20%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	29	0	95
Western Hemlock / Fir	19	0	90
Alder (Red)	15	0	85

Volume by Grade	10" - 11"	12"+	2S	3P and E	3S	3S 12"+	4S	6" - 7"	8" - 9"	SM	Total
Douglas - Fir	0	0	4,340	622	518	110	84	0	0	803	6,477
Western Hemlock / Fir	0	0	166	0	66	0	18	0	0	0	250
Alder (Red)	16	40	0	0	0	0	0	26	18	0	100
Total	16	40	4,506	622	584	110	102	26	18	803	6,827



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Double Fish Sale 341-10-61

**District: Coos**

**Date: April 19, 2010**

---

**comments:** Pond Values Used: 1st Quarter Calendar Year 2010.

Regeneration harvest of approximately 114 acres of 96 to 133 year old predominately mature second growth Douglas-fir sawtimber and a small component of Red alder and Western hemlock.

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost  
 $\$500/\text{MBF} = \$700/\text{MBF} - \$200/\text{MBF}$

Utility Douglas-fir =  $\$90/\text{MBF}$

Section 2335 - 181 snags shall be created in the timber sale area following timber sale contract specifications. For each snag fewer than 181 not required to be created, \$75 shall be paid to STATE.

SCALING COST ALLOWANCE =  $\$5.00/\text{MBF}$

FUEL COST ALLOWANCE =  $\$3.00/\text{Gallon}$

HAULING COST ALLOWANCE

Hauling costs equivalent to \$700 daily truck cost.

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

FELLING:

Directional Felling:  $\$2 \text{ each} \times 947 \text{ trees} = \$1,894$

YARDING AND LOADING:

Brand and Paint Logs:  $\$1/\text{MBF} \times 6,827 \text{ MBF} = \$6,827$

Cull Sorting/Slash Piling on Landings:  $\$125/\text{landing} \times 9 \text{ landings} = \$1,125$

SNAG CREATION:

Tree Topping:  $\$100/\text{tree} \times 63 \text{ trees} = \$6,300$

Tree Girdling (4.5'):  $\$50/\text{tree} \times 55 \text{ trees} = \$2,750$

Tree Girdling (Topping Height):  $\$100/\text{tree} \times 63 \text{ trees} = \$6,300$

MISCELLANEOUS COSTS:

Fish Log Stock Pile: Yarding & Decking  $\$62/\text{MBF} \times 62 \text{ MBF} = \$3,844$

Fish Log Stock Pile: Special Handling  $\$8/\text{MBF} \times 62 \text{ MBF} = \$496$

Log Placement in Streams:  $\$5,255 \text{ Total}$

TOTAL Other Costs (with Profit & Risk to be added) =  $\$34,791$

Other Costs (No Profit & Risk to be added):

None.



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Double Fish  
Sale 341-10-61

District: Coos

Date: April 19, 2010

---

**logging conditions**

**combination#: 1**            Douglas - Fir                            85.00%  
                                 Western Hemlock / Fir                85.00%  
                                 Alder (Red)                              85.00%

**yarding distance:** Medium (800 ft)                            **downhill yarding:** No  
**logging system:** Cable: Large Tower >=70                    **Process:** Manual Delimiting  
**tree size:** Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF  
**loads / day:** 12.0    **bd. ft / load:** 5,000  
**cost / mbf:** \$61.56

**machines:** Log Loader (A)  
                         Tower Yarder (Large)

**combination#: 2**            Douglas - Fir                            15.00%  
                                 Western Hemlock / Fir                15.00%  
                                 Alder (Red)                              15.00%

**yarding distance:** Medium (800 ft)                            **downhill yarding:** Yes  
**logging system:** Cable: Large Tower >=70                    **Process:** Manual Delimiting  
**tree size:** Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF  
**loads / day:** 10.0    **bd. ft / load:** 5,000  
**cost / mbf:** \$92.34

**machines:** Log Loader (A)  
                         Tower Yarder (Large)



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
 Double Fish  
 Sale 341-10-61

District: Coos

Date: April 19, 2010

**logging costs**

Operating Seasons:	1.00	Profit Risk:	15.00%
Project Costs:	\$57,910.00	Other Costs (P/R):	\$34,791.00
Slash Disposal:	\$0.00	Other Costs:	\$0.00

**Miles of Road**

Road Maintenance: \$0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
1.0	1.0	0.0	0.0

**Hauling Costs**

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	2.0	5.0
Western Hemlock / Fir	\$0.00	2.0	4.5
Alder (Red)	\$0.00	2.0	3.5



Timber Sale Appraisal  
 Double Fish  
 Sale 341-10-61

"STEWARDSHIP IN FORESTRY"

District: Coos

Date: April 19, 2010

**logging costs breakdown**

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
<b>Douglas - Fir</b>									
\$66.18	\$1.70	\$0.64	\$63.91	\$5.10	\$20.63	\$0.00	\$5.00	\$0.00	\$163.16
<b>Western Hemlock / Fir</b>									
\$66.18	\$1.78	\$0.64	\$74.39	\$5.10	\$22.21	\$0.00	\$5.00	\$0.00	\$175.30
<b>Alder (Red)</b>									
\$66.18	\$1.86	\$0.64	\$100.00	\$5.10	\$26.07	\$0.00	\$5.00	\$0.00	\$204.85

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$489.01	\$325.85	\$0.00
Western Hemlock / Fir	\$0.00	\$375.88	\$200.58	\$0.00
Alder (Red)	\$0.00	\$444.80	\$239.95	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Double Fish  
Sale 341-10-61

District: Coos

Date: April 19, 2010

**summary**

**Amortized**

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

**Unamortized**

Specie	MBF	Value	Total
Douglas - Fir	6,477	\$325.85	\$2,110,530.45
Western Hemlock / Fir	250	\$200.58	\$50,145.00
Alder (Red)	100	\$239.95	\$23,995.00

**Gross Timber Sale Value**

Recovery: \$2,184,670.45

Prepared by: Ryan Greco

Phone: 541-267-1755



## Summary of "Other Costs" for Timber Sale Appraisals

Sale Name: Double Fish

**Additional "Other Cost" with additional profit and risk to be added:**

	<u>Units</u>	<u>Quantity</u>	<u>Cost/unit</u>	<u>Total Cost</u>
<b>Felling</b>				
Felling of unmerch material	MBF	0	\$ 1.00	\$ -
Directional Felling	MBF	947	\$ 2.00	\$ 1,894.00
<b>Yarding and Loading</b>				
Artificial tailhold	anchor		\$ 500.00	\$ -
Brand and Paint Logs	MBF	6827	\$ 1.00	\$ 6,827.00
Artificial guyline support	anchor	0	\$ 500.00	\$ -
Loader time for firewood stacking	Hours	0	\$ 75.00	\$ -
Cull sorting/slash piling on landings	landing	9	\$ 125.00	\$ 1,125.00
Rig lift trees	lift tree	0	\$ 100.00	\$ -
<b>Snag Creation</b>				
Tree Topping	Trees	63	\$ 100.00	\$ 6,300.00
Tree Girdling (4.5')	Trees	55	\$ 50.00	\$ 2,750.00
Tree Girdling (Topping Height)	Trees	63	\$ 100.00	\$ 6,300.00
<b>Miscellaneous Costs</b>				
Additional Fire Equipment	Seasons	0	\$ 1,000.00	\$ -
Fish Log Stock Pile: Yarding & Decking	MBF	62	\$ 62.00	\$ 3,844.00
Fish Log Stock Pile: Special Handling	MBF	62	\$ 8.00	\$ 496.00
Log Placement in Streams	Total			\$ 5,255.00
Maintenance rock per section 5	Cubic Yards	0	\$ 18.00	\$ -
Noxious Weed Washing	Per Piece		\$ 390.00	\$ -

**Total additional "Other Cost" with additional profit and risk to be added**

**\$ 34,791.00**

**Additional "Other Cost" with no additional profit and Risk**

	<u>Units</u>	<u>Quantity</u>	<u>Cost/unit</u>	<u>Total Cost</u>
Non-required road construction	Stations			\$ -
Non-required road rocking	Cubic Yards			\$ -
Stream clearance	Feet			\$ -
Scaling (high piece count)	MBF		\$ 1.00	\$ -

# TIMBER SALE SUMMARY

## Double Fish

**1. Type of Sale:** Final Harvest, Recovery, Sealed Bid

**2. Boundary Lines:** Sale boundaries are marked on the ground with "Timber Sale Boundary" posters, red flagging, and red paint at locations shown on the Exhibit "A".

**3. Revenue Distribution:** 100% CSL, 47% Coos County, 53% Douglas County.

**4. Sale Acreage:** The sale is comprised of two units totaling 114 acres. Sale acreage was determined from electronic digitizing using the ArcMap 9 GIS program and 2009 Lidar (Light Detection and Ranging) layers. The 7400 and 7300 roads were excluded from the cruise while the 7330 road was accounted for by including in the cruise.

**5. Volume by Species, Fund and County.** See Attached table titled Net Volumes and Acreages

**6. Grade:** (by Percent, all areas)

Species	3 Peeler %	Spec. Mill %	2 Saw %	3 Saw %	Big 3 Saw %	4 Saw %	Utility %
Douglas-fir	9.6%	12.4%	67.0%	7.0%	1.7%	1.3%	1.0%
Hemlock			67%	26%		7%	
		12"+	10-11"	8-9"	6-7"		
Hardwoods		40%	16%	18%	26%		

**7. Cruise:** The timber sale area was cruised using a variable plot cruise with a nested Big BAF plot. The Big BAF method is a combination of count plots and individually measured trees. The plots were spaced 132 feet apart on cruise lines spaced 534 feet apart. A 360 BAF full plot at 16 feet was taken to determine which Douglas-fir trees would be fully measured.

A total of 52 Douglas-fir trees were fully measured for DBH, height, grade and defect. A 40 BAF full plot at 16 feet was used to determine tree counts and to measure minor species. A total of 74 count plots were measured. Cruising was done in October 2009 by ODF foresters.

A. Summary data:

Diam	Ht. Stand	Form Pt.	Form Factor	CV %	SE %
D4H	6" DIB	Conifer: 16' Hardwood: 16'	Recorded for all cruised trees by estimate and measure	51%	6.3%

B. Stand Data:

SPECIES	DBH	TREES/ACRE	BASAL AREA/AC	NET MBF/ACRE
Douglas Fir	29	54	250	57
Hemlock	19	13	25	2.3
Hardwoods	15	10	12	0.9

C. Green Tree Retention: Reserve areas consist of stream buffer extensions and trees left along seasonal and perennial drainages. Pods of green trees were left between the central ridge of Area 1 and the type N stream to the west near project points B and E. Another green tree retention pod is left below the 7300 road where the 7101 takes off. All pods were placed as to not impede logability of the unit. The area east of Area 2 buffers a tributary to Fish creek and serves as a Forest Practices Act (FPA) 300' buffer between clearcut units. Trees within this buffer were not counted towards green tree retention or stream buffers. Green trees individually marked are painted with red or blue "W's". The table below summarizes reserve trees whose volume has been removed from the cruise. Stream buffers and GTR areas are mapped in Exhibit "A."

Sale Area	Douglas fir - MBF	Hemlock MBF	Hardwood MBF
1 & 2	119.7	9.0	1.0

**8. Timber Description:** The majority of timber in the sale area is mature 96 to 133 year-old Douglas-fir sawtimber with minor amounts of western hemlock and red alder. Area 2 includes approximately 2 acres of younger timber east of point M between the 7400 switchback and southeast of point J to facilitate logging. Timber quality is good.

**9. Topography:** Area 1 of the timber sale is split down the middle by a ridge that divides the east aspect from the west aspect. Area 2 contains west and southern aspects with a small amount of east facing slopes. Terrain is typical of the Elliott with moderately steep slopes and interspersed benches. Area 1 is bordered by Type F and Type N tributaries to Fish Creek to the east and west, and Fish Creek to the South. The northern edge of Area 1 follows the 7300 and a Marbled Murrelet Management Area in the northwest, follows a ridge and includes 2 acres above the 7300, and continues along the 7000 road. Area 2 is bordered by the 300' FPA buffer to the east, Fish Creek to the South, a Type F tributary of Fish Creek to the west, and younger timber to the north. Locations of stream buffers and green tree retention areas are indicated on the Exhibit "A".

**10. Logging Method:** Area 1 of the timber sale is designed for cable logging from five landings situated on the 7330 road or new spurs to be constructed from the 7330. Approximately 20% of Area 1 is designed to be downhill yarded to landings at points G and F. The northwest corner of Area 1 will be seasonally restricted due to the adjacent Knife Forks Marbled Murrelet Management Area (MMMA). Area 2 is designed for uphill cable logging from four landings situated on the 7400 road or a new spur to be constructed off the 7340 road.

Final determination of landing locations and logging method must give priority to protection of stream buffers and green tree retention areas. Full suspension will be required while yarding over drainages and stream buffers, and single end suspension over the remainder of the sale area. The timber sale is intended for dry season operation. Purchaser must comply with winter and wet weather option if operations are conducted during the wet season. Roads and landings are indicated on the Exhibit "A" and Logging Plan maps.

As part of this timber sale the purchaser must create a fish log stockpile and place logs in Fish Creek. A total of 36 logs (11.5 MBF) shall be placed in Fish Creek in 9 groups of 4 logs each as described and mapped in Exhibit "I". A fish log stockpile shall be built at Point G containing 36 logs following specifications listed in Exhibit "I".

**11. Access:** From Coos Bay, take Highway 101 North through Reedsport and head East on Highway 38. Turn Right (South) onto Loon Lake County Road (DCR 3) for approximately 2 miles to the 7500. Turn right and proceed up the 7500 for 5 miles until it connects with the 7000 road. Turn right (west) and proceed approximately one mile until you are in the sale area. To access Area 2, travel south on the 7400 road approximately 2 miles.

## **12. Projects:**

Project 1: Road and Landing Construction

Project 2: Road and Landing Improvement

Project 3: 7400 Road Cleanup Post-Logging

Project 4: Rock Stockpile Replenishment

**SUMMARY OF CONSTRUCTION COST**  
**Double Fish**

**Project 1A: Road and Landing Construction**

Points: C to D      Length: 400'      Type: 14' no ditch

Excavator	15	hrs at	\$125.00	per hour	\$1,875.00
Cat time	15	hrs at	\$120.00	per hour	\$1,800.00
Grader	1	hrs at	\$75.00	per hour	\$75.00
Laborer	15	hrs at	\$35.00	per hour	\$525.00

**Total Project 1A:      \$4,275.00**

**Project 1B: Road and Landing Construction**

Point: I to J      Length: 450'      Type: 14' no ditch

Excavator	20	hrs at	\$125.00	per hour	\$2,500.00
Cat time	20	hrs at	\$120.00	per hour	\$2,400.00
Grader	1	hrs at	\$75.00	per hour	\$75.00
Laborer	20	hrs at	\$35.00	per hour	\$700.00

**Total Project 1B:      \$5,675.00**

**Project 1C: Landing Construction**

Point: K      Length: n/a      Type: n/a

Excavator	2	hrs at	\$125.00	per hour	\$250.00
Cat time	2	hrs at	\$120.00	per hour	\$240.00
Laborer	2	hrs at	\$35.00	per hour	\$70.00

**Total Project 1C:      \$560.00**

**Project 1D: Landing Construction**

Point: L      Length: n/a      Type: n/a

Excavator	2	hrs at	\$125.00	per hour	\$250.00
Cat time	2	hrs at	\$120.00	per hour	\$240.00
Laborer	2	hrs at	\$35.00	per hour	\$70.00

**Total Project 1D:      \$560.00**

**Project 1E: Landing Construction**

Point: M      Length: n/a      Type: n/a

Excavator	2	hrs at	\$125.00	per hour	\$250.00
Cat time	2	hrs at	\$120.00	per hour	\$240.00
Laborer	2	hrs at	\$35.00	per hour	\$70.00

**Total Project 1E:      \$560.00**

**SUMMARY OF CONSTRUCTION COST  
Double Fish**

**Move-in**

Equipment	Miles	hrs/RT	Lowboy Rate/hr	Total
Excavator	35	5	\$95.00	\$475.00
Cat	35	5	\$95.00	\$475.00
Grader	35	4	\$95.00	\$380.00
Dump Truck	35	4	\$95.00	\$380.00

**Total Move-in: \$1,710.00**

**Project 1 Total \$13,340.00**

**Project 2A: Road and Landing Improvement**

Points: A to B Length: 3700' Type: 14' no ditch  
(includes landing at Point G)

Excavator	25	hrs at	\$125.00	per hour	\$3,125.00
Cat time	25	hrs at	\$120.00	per hour	\$3,000.00
Grader time	4	hrs at	\$75.00	per hour	\$300.00
Laborer	25	hrs at	\$35.00	per hour	\$875.00

**Total Project 2A: \$7,300.00**

**Project 2B: Road Improvement (2-way approach)**

Points: A Length: n/a Type: n/a

Excavator	10	hrs at	\$125.00	per hour	\$1,250.00
Cat time	10	hrs at	\$120.00	per hour	\$1,200.00
Laborer	10	hrs at	\$35.00	per hour	\$350.00

**Total Project 2B: \$2,800.00**

**Project 2C: Road and Landing Improvement**

Points: E to F Length: 325' Type: 14' no ditch

Excavator	5	hrs at	\$125.00	per hour	\$625.00
Cat time	5	hrs at	\$120.00	per hour	\$600.00
Grader time	1	hrs at	\$75.00	per hour	\$75.00
Laborer	5	hrs at	\$35.00	per hour	\$175.00

**Total Project 2C: \$1,475.00**

**Project 2D: Road and Landing Improvement**

Points: H to I Length: 2170' Type: 14' no ditch

Cat time	3	hrs at	\$120.00	per hour	\$360.00
Grader time	3	hrs at	\$75.00	per hour	\$225.00
Laborer	3	hrs at	\$35.00	per hour	\$105.00

**Total Project 2D: \$690.00**

**Project 2 Total \$12,265.00**

**SUMMARY OF CONSTRUCTION COST**  
**Double Fish**

**Project 3: Post-Sale Road Clean-up**

Points: 7400 road through Sale Area II

Excavator	5	hrs at	\$125.00	per hour	\$625.00
Dump Truck - Haul debris to Points K and L	5	hrs at	\$95.00	per hour	\$475.00
Grader	2	hrs at	\$75.00	per hour	\$150.00

**Move-in**

Equipment	Miles	hrs/RT	Lowboy Rate/hr	Total
Excavator	35	5	\$95.00	\$475.00
Grader	35	4	\$95.00	\$380.00
Dump Truck	35	4	\$95.00	\$380.00

**Total Move-in: \$1,235.00**

**Project 3 Total \$2,485.00**

**Project 4: Rock Stockpile**

Location: Benson Ridge (4000 Rd)  
Measured amount: 1200 cu yds  
Size: 1 1/2" - 0"

Cost per cu yd at crusher:	\$12.24	per yd
Haul cost per cu yd (2.5 hr RT):	\$11.11	per yd
Piling and shaping cost per cu yd:	<u>\$1.50</u>	per yd
<b>Total cost per cu yd:</b>	<b>\$24.85</b>	per yd
<b>Total cu yds:</b>	<b>1200</b>	yards

**Total Cost for Stockpile rock: \$29,820.00**

**Project 4 Total \$29,820.00**

**Total Project Costs \$57,910.00**

## NET VOLUMES AND ACREAGE

SALE AREA & SPECIES		Tree cnt. 100% Units	NET VOLUMES (MBF)									
			By County and Fund								Total Vols.	Vol. per Acre
			Coos			Douglas						
Area	Spec		CSL	BOF	Total	CSL	BOF	Total				
1	D-fir		1395		1395	3364		3364	4759	58		
	Hdwd		20		20	50		50	70	1		
	WH		53		53	127		127	180	2		
2	D-fir		1611		1611	107		107	1718	54		
	Hdwd		27		27	3		3	30	1		
	WH		65		65	5		5	70	2		

**TOTAL SALE VOLUME BY SPECIES**

Douglas-fir	6477	MBF
Hemlock	250	MBF
Hardwoods	100	MBF
<b>Total</b>	<b>6827</b>	<b>MBF</b>

Report by: Ryan Greco *RG*

Date: 02/26/2010

Unit For: Norma Kline by *AK* 2010.3.2  
Date

Asst. Dist. For: *Greg Kreimeyer* 2010.3.2  
Date

**UTILITY VOLUME NOT SHOWN TO PROVIDE FOR RETENTION OF DOWN LOGS  
NO INGROWTH INCLUDED**

**ACREAGE BY COUNTY (to nearest acre)**

Sale Area	Coos County						Douglas County						TOTAL ACRES
	CSL			BOF			CSL			BOF			
	Conifer		Hard wood	Conifer		Hard woods	Conifer		Hard woods	Conifer		Hard woods	
	cc	pc		cc	pc		cc	pc		cc	pc		
1	24						58						82
2	30						2						32
<b>SUM</b>	<b>54.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>114.0</b>

cc- clearcut

pc- partial cut

BOF - Board of Forestry

CSL - Common School Land

## CRUISE VOLUME COMPUTATION REPORT

SALE NAME: Double Fish

DATE: 02/25/2010

LEGAL LOCATION: Section 32, T22S, R10W, WM Douglas County,  
and Sections 5 and 6, T23S, R10W, W.M. Coos County, Oregon

BY: Ryan Greco

### GROSS VOLUME MBF \*

SPECIES>> AREA	Doug-fir	Hemlock	Hardwds	TOTAL
1 - From Cruise	5583	216.8	89.0	5889
2 - From Cruise	1861	73.3	29.0	1963
A2 Young Patch	25	1.0	1.0	27.0
Less GTR Vol.	119.7	9.0	1.0	130
Less DW Vol	10.0	1.0		11
Less Log Stockpile	62.0	0.0	0.0	62
Less Log Placement	11.5	0.0	0.0	12
<b>GrossNet</b>	<b>7266</b>	<b>281</b>	<b>118</b>	<b>7665</b>

### DEFECT AND BREAKAGE \*

ALL AREAS

Species	Doug-fir	Hemlock	Hardwds
Field cull	0.03	0.03	0.05
Hidden cull	0.04	0.04	0.05
Breakage	0.04	0.04	0.05
<b>Total</b>	<b>0.11</b>	<b>0.11</b>	<b>0.15</b>

### NET VOLUME BY MBF

SPECIES AREA	Doug-fir	Hemlock	Hardwds	TOTALS
1	4806	185	75	5066
2	1671	65	26	1762
<b>TOTALS</b>	<b>6477</b>	<b>250</b>	<b>100</b>	<b>6827</b>

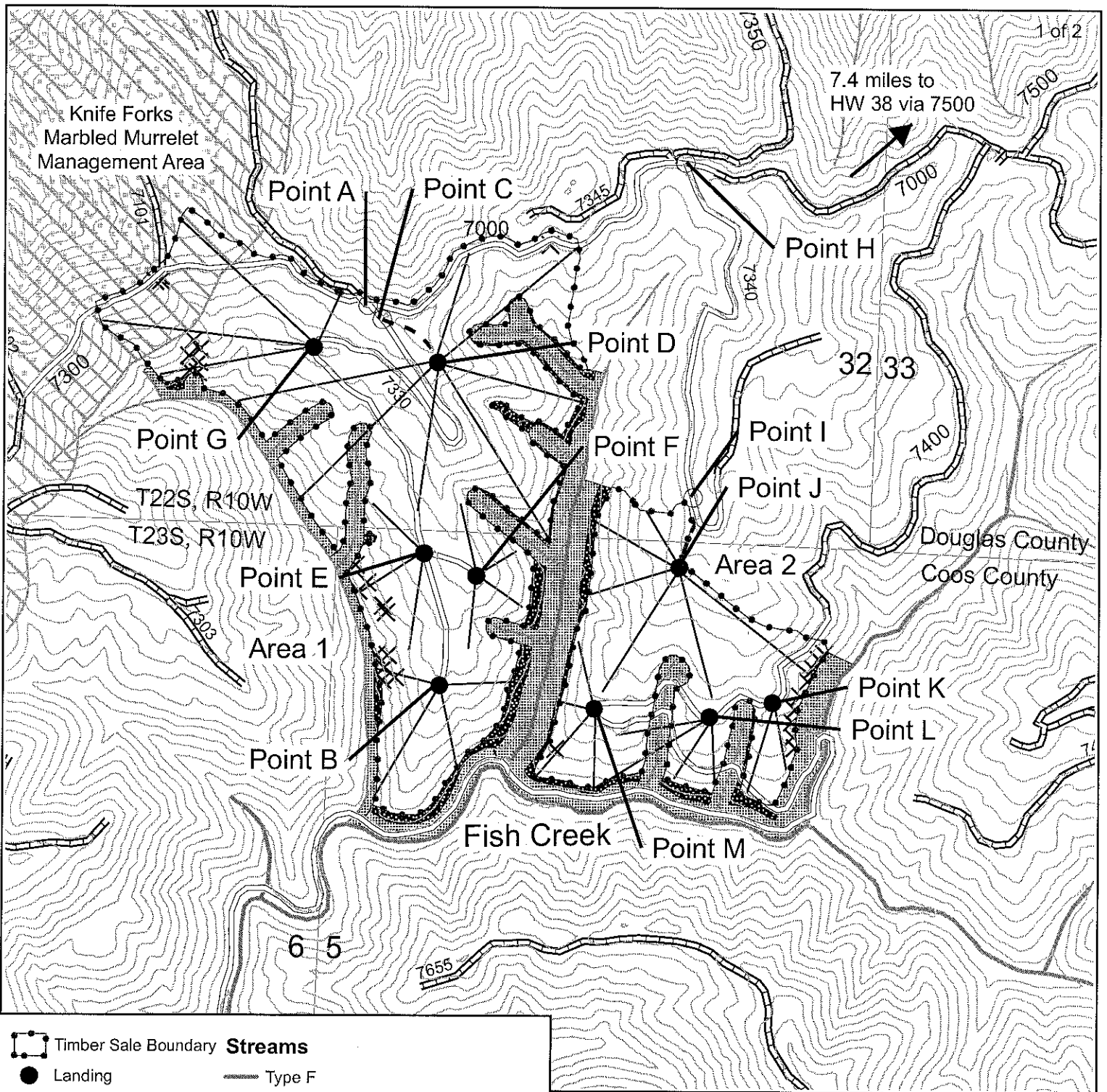
### NET VOLUME BY GRADE AND MBF \*

Grade >>>>>>>>>>	3 PEE	SM	2 SAW	3 SAW	Big 3 SAW	4 SAW/CR	Utility
Area							
Doug-Fir	622	803	4340	453	110	84	65
Hemlock			166	66		18	
Hardwoods		12"+	10-11"	8-9"	6-7"		
		40	16	18	26		

### GRADE DISTRIBUTION BY PERCENT

Grade >>>>>>>>>>	3 PEE	SM	2 SAW	3 SAW	Big 3 SAW	4 SAW	Utility
Doug-fir	9.6%	12.4%	67.0%	7.0%	1.7%	1.3%	1.0%
Hemlock			66.6%	26.4%		7.0%	
Hardwoods		12"+	10-11"	8-9"	6-7"		
		40.0%	15.9%	17.9%	26.2%		



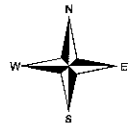
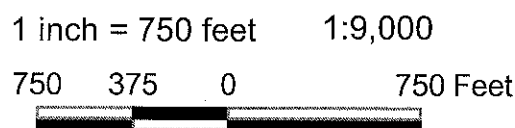


Timber Sale Boundary	<b>Streams</b>
Landing	Type F
Road Point	Type N Perennial
40' Contours	Type N Seasonal
<b>Roads</b>	Individual GTR
Construct	Green Tree Retention
Purchaser Maintained	Marbled Murrelet Management Area
State Maintained	Seasonal Restricted Area
Stream Buffer	

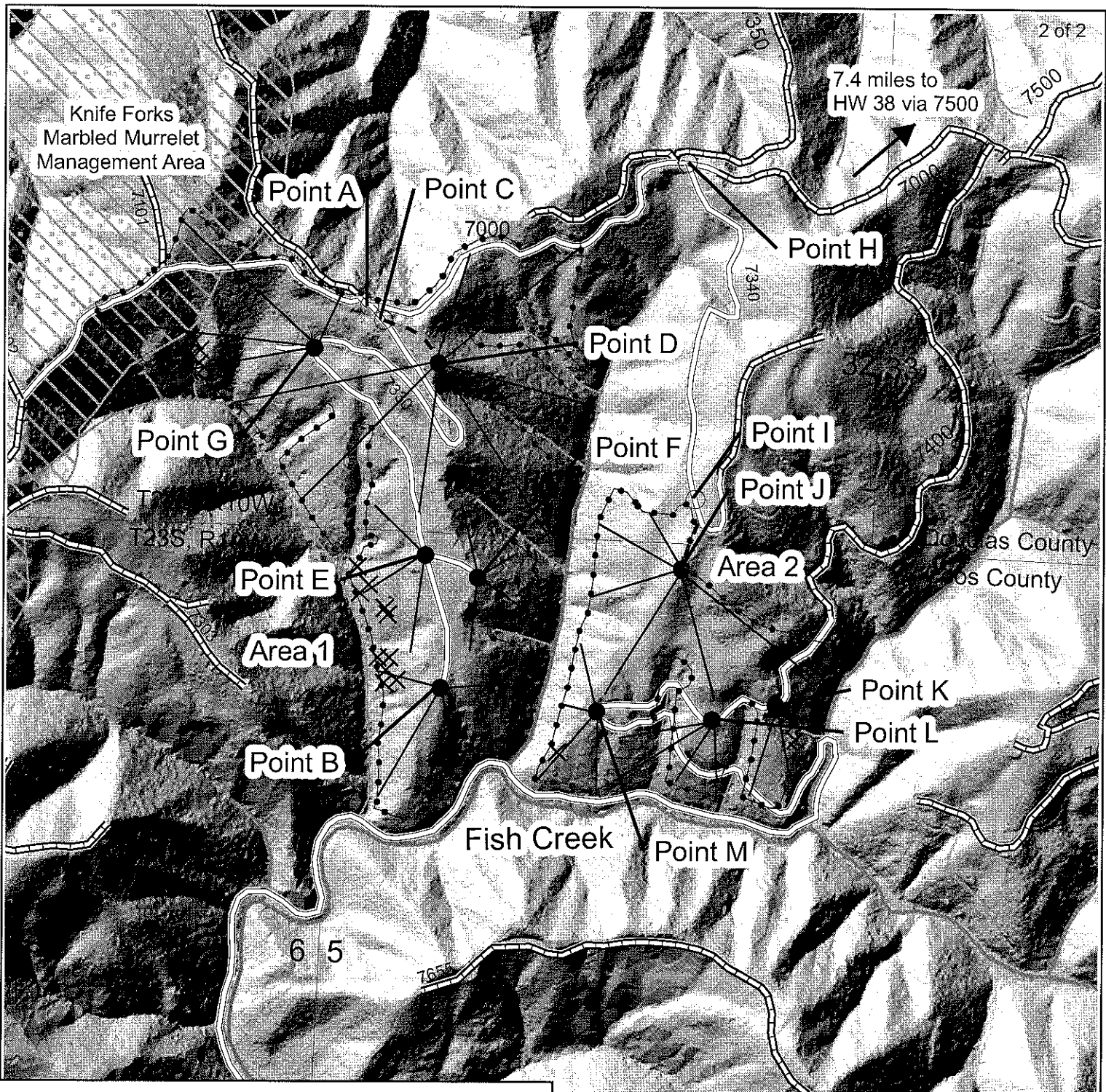
**LOGGING PLAN  
OF TIMBER SALE NO.  
341-10-61  
DOUBLE FISH**

Portions of Sections 32,  
T22S, R10W, W.M.  
Douglas County, Oregon and  
Portions of Sections 5 & 6,  
T23S, R10W, W. M.  
Coos County, Oregon

Sale Area	Harvest Type	Net Acres
1	clearcut	82 acres
2	clearcut	32 acres
<b>Total - 114 harvest acres</b>		



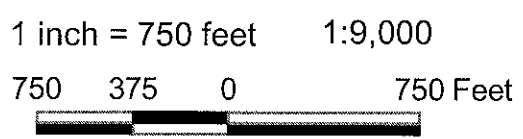
The information shown on the map depicts approximate locations. Exact locations of features represented by map symbols shall be determined on site and shall depend upon the conditions that exist on site. Activities will be conducted based upon features determined on site rather than features shown on this map.



Timber Sale Boundary	<b>Streams</b>
Landing	Type F
Road Point	Type N Perennial
<b>Roads</b>	Type N Seasonal
Construct	Individual GTR
Purchaser Maintained	Marbled Murrelet Management Area
State Maintained	Seasonal Restricted Area

**LOGGING PLAN**  
**OF TIMBER SALE NO.**  
**341-10-61**  
**DOUBLE FISH**  
 Portions of Sections 32,  
 T22S, R10W, W.M.  
 Douglas County, Oregon and  
 Portions of Sections 5 & 6,  
 T23S, R10W, W. M.  
 Coos County, Oregon

Sale Area	Harvest Type	Net Acres
1	clearcut	82 acres
2	clearcut	32 acres
<b>Total -</b>		<b>114 harvest acres</b>



The information shown on the map depicts approximate locations. Exact locations of features represented by map symbols shall be determined on site and shall depend upon the conditions that exist on site. Activities will be conducted based upon features determined on site rather than features shown on this map.