



State of Washington

Department of Natural Resources

Hilary S. Franz, Commissioner of Public Lands

TO: Members of the Board of Natural Resources

FROM: Product Sales and Leasing Division

SUBJECT: Timber Sales Packet to be Presented at the  
January 2018 Board Meeting

Attached is a package of timber sales proposed for auction the week of February 20 – 22, 2018. This packet will be presented to the Board of Natural Resources at the January 5, 2018 Board Meeting.



**SUMMARY OF PROPOSED BOARD SALES**

**FEBRUARY 2018**

**FY18**

No.	County	Region	FSC®		Sale Name	Species	Acres	Age	Harvest Type	Volume MBF/Acre	Value/MBF	Total MBF	Total Minimum Bid Value
			Agree #	∞ Trust									
1	Clallam	OLY	95564	01-1%,07-99%	TYEE TUG	WW-63%,DF-33%,RA-4%	206	63	VRH	30	\$277	6,206	\$1,719,000
2	Clallam	OLY	95601	01-72%,03-28%	WEST TEXAS VRH VDT	DF-54%,WW-38%,RC-6%,RA-2%	187	73	VRH-86%,VDT-14%	29	\$239	5,445	\$1,304,000
3	Cowlitz	PC	95934	03-39%,04-6%,08-49%,10-6%	SHOE SHINER	WW-56%,DF-43%,RA-1%	261	39	VRH	26	\$246	6,748	\$1,660,000
4	Cowlitz	PC	96013	01-4%,03-8%,07-2%,10-86%	FIR TRADER VRH VDT	DF-63%,WW-37%	268	49	VDT-79%,VRH-21%	10	\$170	2,760	\$469,000
5	King	SPS	94641	03-26%,77-74%	SWEET TEA	DF-77%,RA-14%,WW-9%	180	37	VRH	14	\$184	2,547	\$469,000
6	Lewis	SPS	94074	∞ 03-90%,10-10%	CATT BACK	WW-83%,DF-14%,RC-3%	94	59	VRH	29	\$218	2,683	\$586,000
7	Okanogan	NE	95618	03-100%	MOJO	DF-68%,PP-28%,WL-4%	568	99	VRH-85%,UM-15%	11	\$102	6,056	\$615,000
8	Skagit	NW	94336	01-100%	GRASSHOPPER SORTS	DF-75%,WW-18%,RA-5%,RC-2%	75	70	VRH	42	\$658	3,184	\$2,095,659
9	Skagit	NW	95955	01-100%	KING BEAR CAT SORTS	DF-44%,WW-37%,RC-16%,RA-3%	220	57	VRH-77%,VDT-23%	31	\$731	6,724	\$4,914,331
10	Wahkiakum	PC	96343	01-100%	UNIVERSAL SORTS	DF-63%,WW-31%,RA-4%,RC-2%	82	90	VRH	56	\$638	4,602	\$2,937,090
11	Whatcom	NW	95988	01-1%,03-98%,08-1%	NOOKSACK SALVAGE VDT VRH RMZ	DF-88%,RA-10%,WW-2%	387	42	VDT-89%,VRH-11%	7	\$269	2,543	\$685,000
<b>Totals</b>							<b>2,528</b>			<b>20</b>	<b>\$353</b>	<b>49,498</b>	<b>\$17,454,080</b>

Trust Codes:			Harvest Type:			Species Codes:	
01 = State Forest Board Transfer	07 = Capitol Building	12 = Community College Forest Reserve	VRH=Variable Retention Harvest	DF= Douglas-fir	WL= Western larch		
02 = State Forest Board Purchase	08 = Normal School	38 = Washington State University	VDT=Variable Density Thinning	RA= Red alder	PP= Ponderosa pine		
03 = Common School & Indemnity	09 = Escheat	41 = University Repayment	CT=Commercial Thinning	RC= Western redcedar	LP= Lodgepole pine		
04 = Agricultural School	10 = Scientific School	42 = Forest Board Repayment	UM=Uneven-aged Mgmt	WW= White Woods (hemlock and true firs)			
05 = University - Transferred	11 = University - Original	77 = Water Pollution Control	SR=Shelterwood Removal				
06 = C.E.P. & R.I.							

∞ If marked, all or part of this sale Forest Stewardship Council® (FSC)-certified (certificate No. BV-FM/COC-080501)

Note: Contract harvest sort sales above list the total minimum bid as delivered values, not stumpage. The net or stumpage value will be realized after the harvesting costs are paid out.

**SEPA SUMMARY OF PROPOSED BOARD SALES**

**FEBRUARY 2018**

**FY18**

No.	County	Agreement #	Sale Name	SEPA Threshold Determination	FPA Classification	SEPA Comments
1	Clallam	95564	TYEE TUG	MDNS	3	
2	Clallam	95601	WEST TEXAS VRH VDT	MDNS	3	
3	Cowlitz	95934	SHOE SHINER	MDNS	3	WFLC
4	Cowlitz	96013	FIR TRADER VRH VDT	MDNS	3	
5	King	94641	SWEET TEA	DNS	3	
6	Lewis	94074	CATT BACK	DNS	3	WFLC
7	Okanogan	95618	MOJO	MDNS	3	
8	Skagit	94336	GRASSHOPPER SORTS	DNS	3	
9	Skagit	95955	KING BEAR CAT SORTS	DNS/MDNS	3	
10	Wahkiakum	96343	UNIVERSAL SORTS	MDNS	3	WFLC
11	Whatcom	95988	NOOKSACK SALVAGE VDT VRH RMZ	DNS	4	

\* ALL DOCUMENTS ARE AVAILABLE TO THE BOARD AND THE PUBLIC FOR REVIEW





**TIMBER NOTICE OF SALE**

**SALE NAME:** TYEE TUG

**AGREEMENT NO:** 30-095564

**AUCTION:** February 21, 2018 starting at 10:00 a.m.,  
Olympic Region Office, Forks, WA **COUNTY:** Clallam

**SALE LOCATION:** Sale located approximately 9 miles north of Forks, WA

**PRODUCTS SOLD  
AND SALE AREA:**

All timber, except trees marked with a band of blue paint or bounded out by leave tree area boundary tags, bounded by timber sale boundary tags, the T-1100 Road, and a timber type change in Unit 1; timber sale boundary tags in Unit 2; timber sale boundary tags and the T-1173 Road in Unit 3; timber sale boundary tags, the T-1204 Road and the T-1200 Road in Unit 4; all timber bounded by right of way boundary tags on part(s) of Sections 5, 6, 7 and 8 all in Township 29 North, Range 13 West, Sections 32 and 33 all in Township 31 North, Range 13 West, W.M., containing 206 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

Species	Avg DBH	Ring Count	Total MBF	MBF by Grade								
				1P	2P	3P	SM	1S	2S	3S	4S	UT
Hemlock	16.9	6	3,379				16		1,767	1,143	377	76
Douglas fir	20.5	6	2,049						1,338	594	97	20
Spruce	20.8		555						322	185	43	5
Red alder	11.9		223						1	48	132	42
Sale Total			6,206									

**MINIMUM BID:** \$1,719,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2019 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$171,900.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** 88% - Cable/12% - Ground. Rubber tire skidders will only be allowed if rutting and skid trail requirements can be met and a harvest plan is submitted and approved. 30' equipment limitation zones on all typed waters. No activities, other than haul, will be permitted from April 1 to September 23 from one hour before official sunrise to two hours after official sunrise and from one hour before official sunset to one hour after official sunset for the portion of Unit 4 shown on the timber sale map as marbled murrelet timing restriction.

**ROADS:** 0.75 stations of required reconstruction. 6.45 stations of optional construction. 358.70 stations of optional pre-haul maintenance. 11.25 stations of deactivation. There will be no work allowed, except haul, on the T-1170 from stations 16+25 to 29+25, T-1200 from stations 35+50 to 38+30, and the 1+30 spur, and no operations at all on the Loop Pit road, from one hour before official sunrise to two hours after official sunrise and from one hour



## TIMBER NOTICE OF SALE

before official sunset to one hour after official sunset from April 1 through September 23 for marbled murrelet restrictions. Loop Tavern Pit development shall include relocating existing pit road to the location shown in pit plan and as determined by the Contract Administrator, relocation of gate, manufacture 5,000 cubic yards of 1 1/4 inch crushed rock in accordance with Clause 6-20 and 5,000 cubic yards of 4 inch minus jaw run rock in accordance with 6-20 - See road plan for more detail.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** Sale acreage was 100% GPS'd. Sale units were cruised using a variable plot sample.

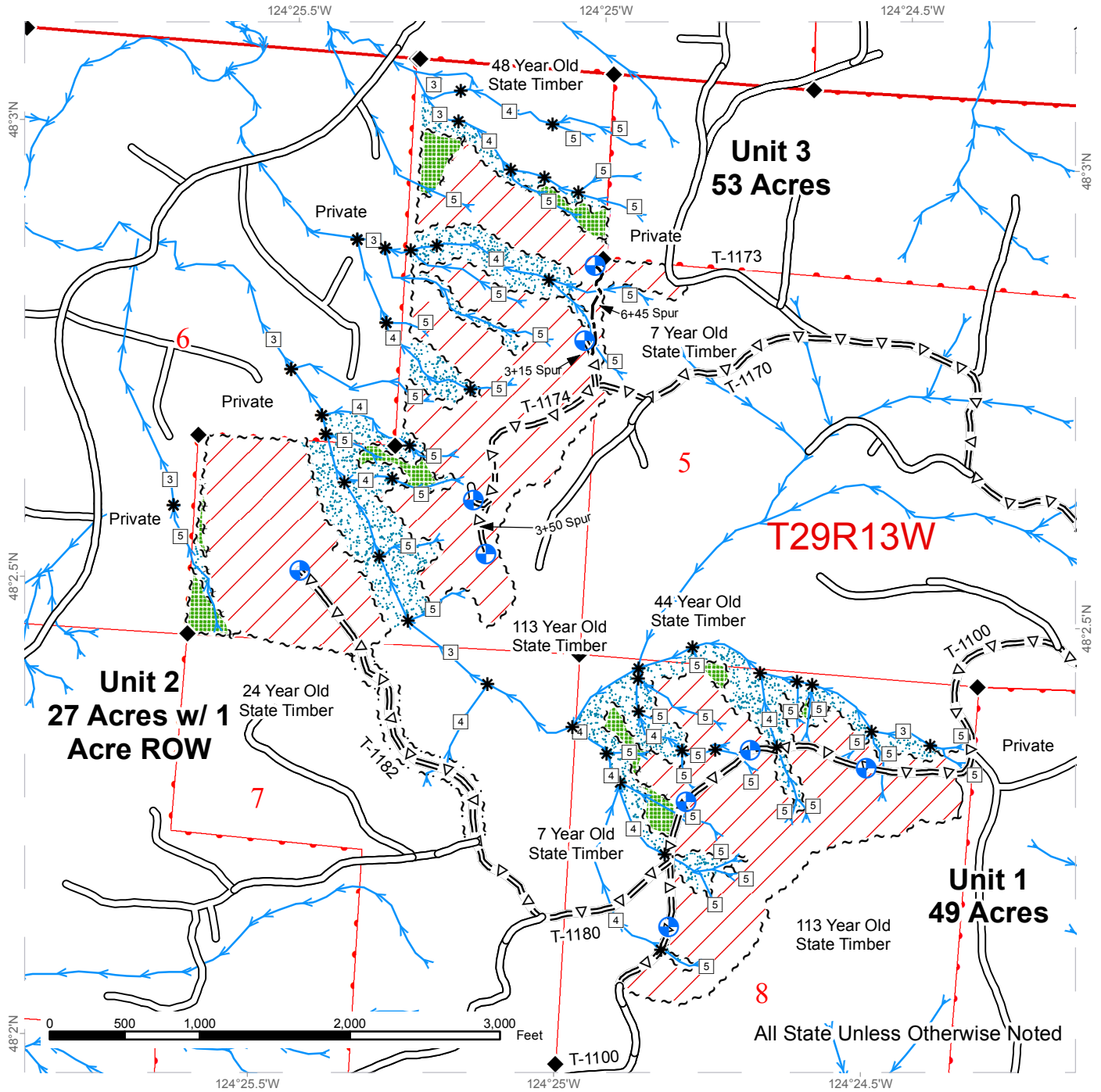
**FEES:** \$110,157.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** There is a locked gate located on the Loop Pit - contact the Olympic Region Dispatch Center at 360-374-2811 to obtain a AA-1 key.

# TIMBER SALE MAP

**SALE NAME:** TYEE TUG  
**AGREEMENT #:** 30-095564  
**TOWNSHIP(S):** T30R13W, T29R13W  
**TRUST(S):** State Forest Transfer(01), Capitol Grant(07)

**REGION:** Olympic Region  
**COUNTY(S):** CLALLAM  
**ELEVATION RANGE:** 356'-1247'

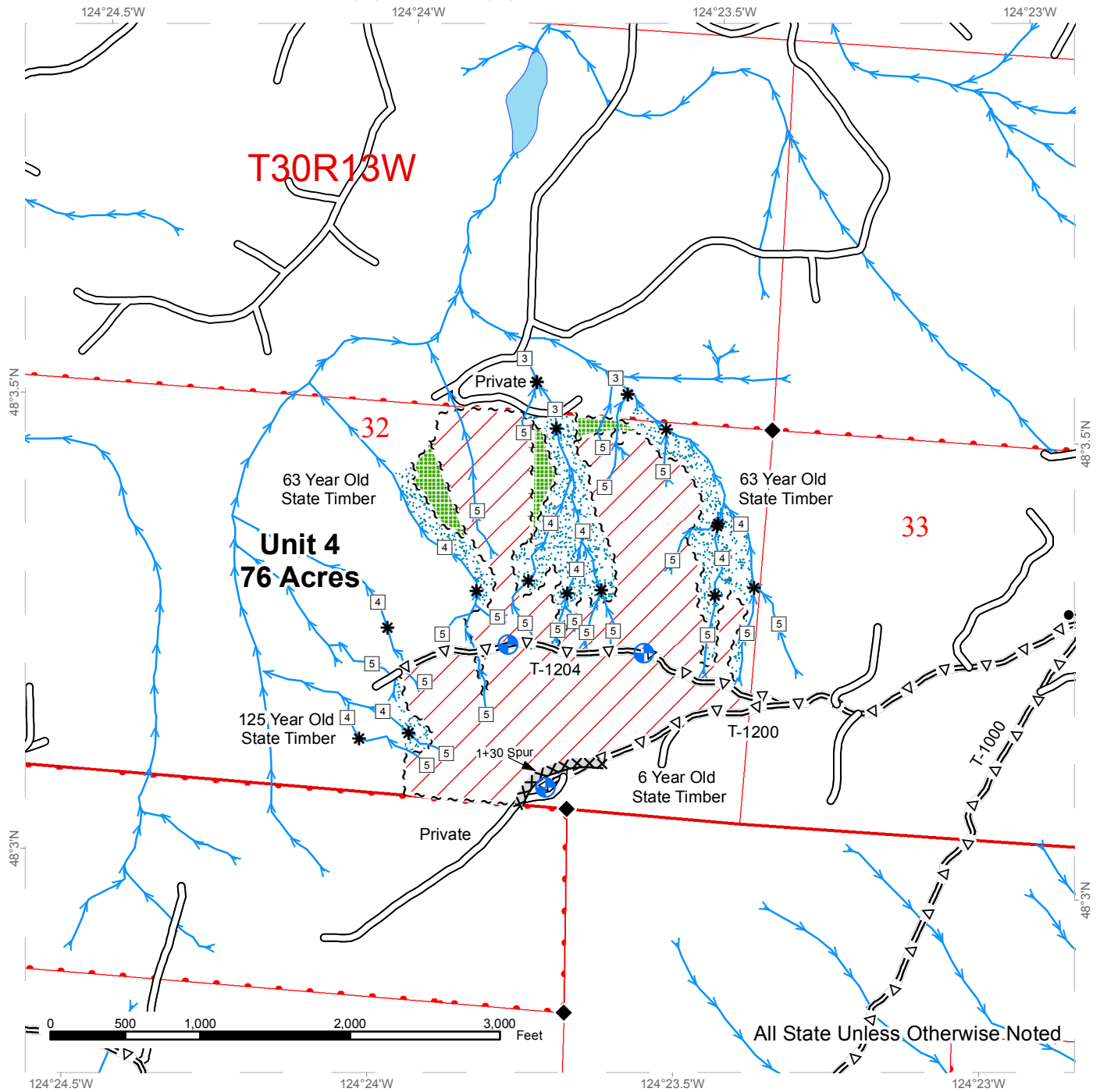


◆ Monumented Corners	⊕ Proposed Landings	▨ Leave Tree Area
□ Stream Type	— Existing Road	▤ Riparian Management Zone
* Stream Type Break	- - - Optional Construction	▧ Variable Retention Harvest
~ ~ ~ Sale Boundary Tags	= Δ = Optional Pre-haul Maintenance	
~ ~ ~ Leave Tree Tags	- □ - Optional Reconstruction	
~ ~ ~ Right of Way Tags		
— Timber Type Change		

# TIMBER SALE MAP

**SALE NAME:** TYEE TUG  
**AGREEMENT #:** 30-095564  
**TOWNSHIP(S):** T30R13W, T29R13W  
**TRUST(S):** State Forest Transfer(01), Capitol Grant(07)

**REGION:** Olympic Region  
**COUNTY(S):** CLALLAM  
**ELEVATION RANGE:** 356'-1247'



All State Unless Otherwise Noted

◆ Monumented Corners	~ ~ ~ ~ Sale Boundary Tags	▒ Leave Tree Area
□ Stream Type	~ ~ ~ Leave Tree Tags	⋯ Riparian Management Zone
* Stream Type Break	XXXXX Marbled Murrelet Timing Restriction	/// Variable Retention Harvest
⊕ Proposed Landings	— Existing Road	
	=Δ= Optional Pre-haul Maintenance	

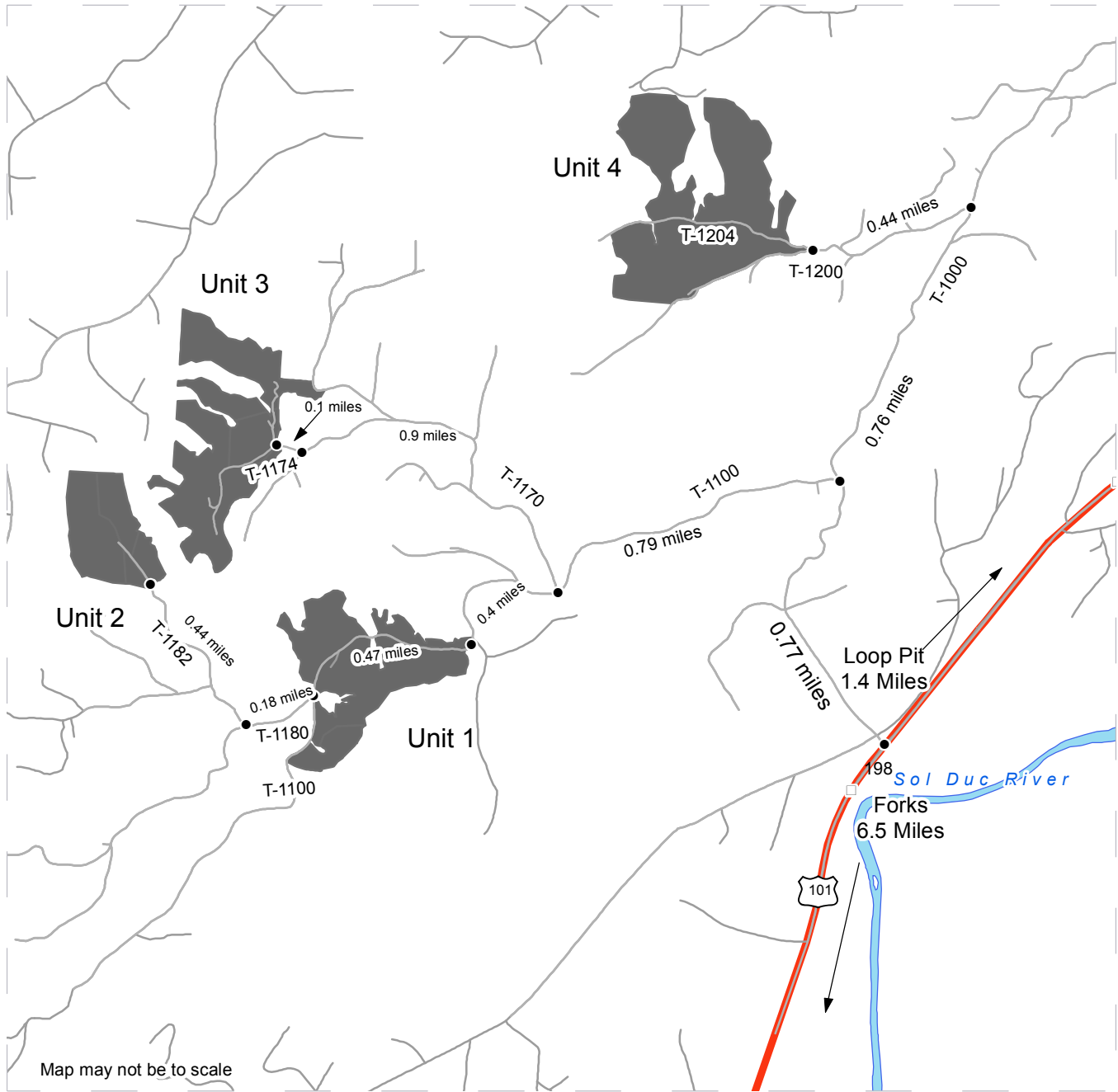




# DRIVING MAP

**SALE NAME:** TYEE TUG  
**AGREEMENT#:** 30-095564  
**TOWNSHIP(S):** T30R13W, T29R13W  
**TRUST(S):** State Forest Transfer(01), Capitol Grant(07)

**REGION:** Olympic Region  
**COUNTY(S):** CLALLAM  
**ELEVATION RANGE:** 356'-1247'



Map may not be to scale

- Timber Sale Unit
- Other Road
- Highway
- Milepost Markers
- Distance Indicator

**DRIVING DIRECTIONS:**  
 From Forks, Drive 6.5 miles north on HWY 101 and turn west onto the T-1000 road.

Unit 1: Drive north on the T-1000 for 0.77 miles. Turn west on the T-1100 and follow for 1.2 miles (0.4 miles past the T-1100 and T-1170 junction). Unit 1 will be on both sides of the road.

Unit 2: From Unit 1, continue down the T-1100 for 0.47 miles to the T-1180. Head west on the T-1180 for 0.18 miles. Turn northwest onto the T-1182 and follow for 0.44 miles. The unit will be on both sides of the road.

Unit 3: From the junction of the T-1000 and T-1100, travel west on the T-1100 for 0.79 miles. Turn northwest onto T-1170 and follow for 0.9 miles. Continue straight onto T-1174 for 0.1 miles and the unit will be on both sides of the road.

Unit 4: From the junction of the T-1000 and the T-1100, head north on the T-1000 for 0.76 miles. Turn west onto the T-1200 and follow for 0.44 miles to reach the unit boundary.

To Loop Pit: From Forks, drive 7.9 miles north on HWY 101 and Loop Pit access road is to southeast.







TIMBER NOTICE OF SALE

SALE NAME: WEST TEXAS VRH/VDT

AGREEMENT NO: 30-95601

AUCTION: February 21, 2018 starting at 10:00 a.m., Olympic Region Office, Forks, WA COUNTY: Clallam

SALE LOCATION: Sale located approximately 8 miles southeast of Port Angeles, WA

PRODUCTS SOLD AND SALE AREA: All timber, except trees marked with a band of blue paint or bounded out by leave tree area tags, no downed red cedar should be removed and no timber that has been on the ground for 5 years or more (five years is defined by more than 1.5 inches of sap rot), bounded by timber sale boundary tags in Unit 1; special management boundary tags and timber sale boundary tags in Unit 2; all timber as described in Schedule C except those trees as described in Schedule D in Unit 7, 8 and 9, all timber bounded by right of way boundary tags on part(s) of Sections 18 all in Township 29 North, Range 4 West, W.M., containing 187 acres, more or less.

CERTIFICATION: This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

ESTIMATED SALE VOLUMES AND QUALITY:

Table with columns: Species, Avg DBH, Ring Count, Total MBF, and MBF by Grade (1P, 2P, 3P, SM, 1S, 2S, 3S, 4S, UT). Rows include Douglas fir, Hemlock, Red cedar, Red alder, Grand fir, and Sale Total.

MINIMUM BID: \$1,304,000.00 BID METHOD: Sealed Bids

PERFORMANCE SECURITY: \$100,000.00 SALE TYPE: Lump Sum

EXPIRATION DATE: October 31, 2020 ALLOCATION: Export Restricted

BID DEPOSIT: \$130,400.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

HARVEST METHOD: 40% Ground-Based, 52% Uphill Cable, 8% Downhill Cable. Tracked skidder, shovel, self-leveling equipment and cable are allowed in areas mapped as "Ground". Tracked skidders, feller-bunchers and shovels will not operate on sustained slopes over 40 percent. Self-leveling shovels and tethered logging equipment permitted on slopes up to 60 percent. Falling and Yarding will not be permitted from November 1 to April 30 or on weekends and state recognized holidays or before 7:00a.m. or after 6:00p.m. unless authorized in writing by the Contract Administrator.

ROADS: 130.28 stations of required construction. 54.46 stations of optional construction. 259.50 stations of required maintenance, 22.79 stations of optional road maintenance, 282.29 stations of pre-haul maintenance. Maintenance, rock haul, timber haul and road



## TIMBER NOTICE OF SALE

construction will not be permitted from November 1 to April 30, or on weekends or state recognized holidays, before 7:00a.m. or after 6:00p.m. unless authorized in writing by the Contract Administrator.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** The sale acreage was 100% GPS'd. The sale area was cruised using a variable plot sample.

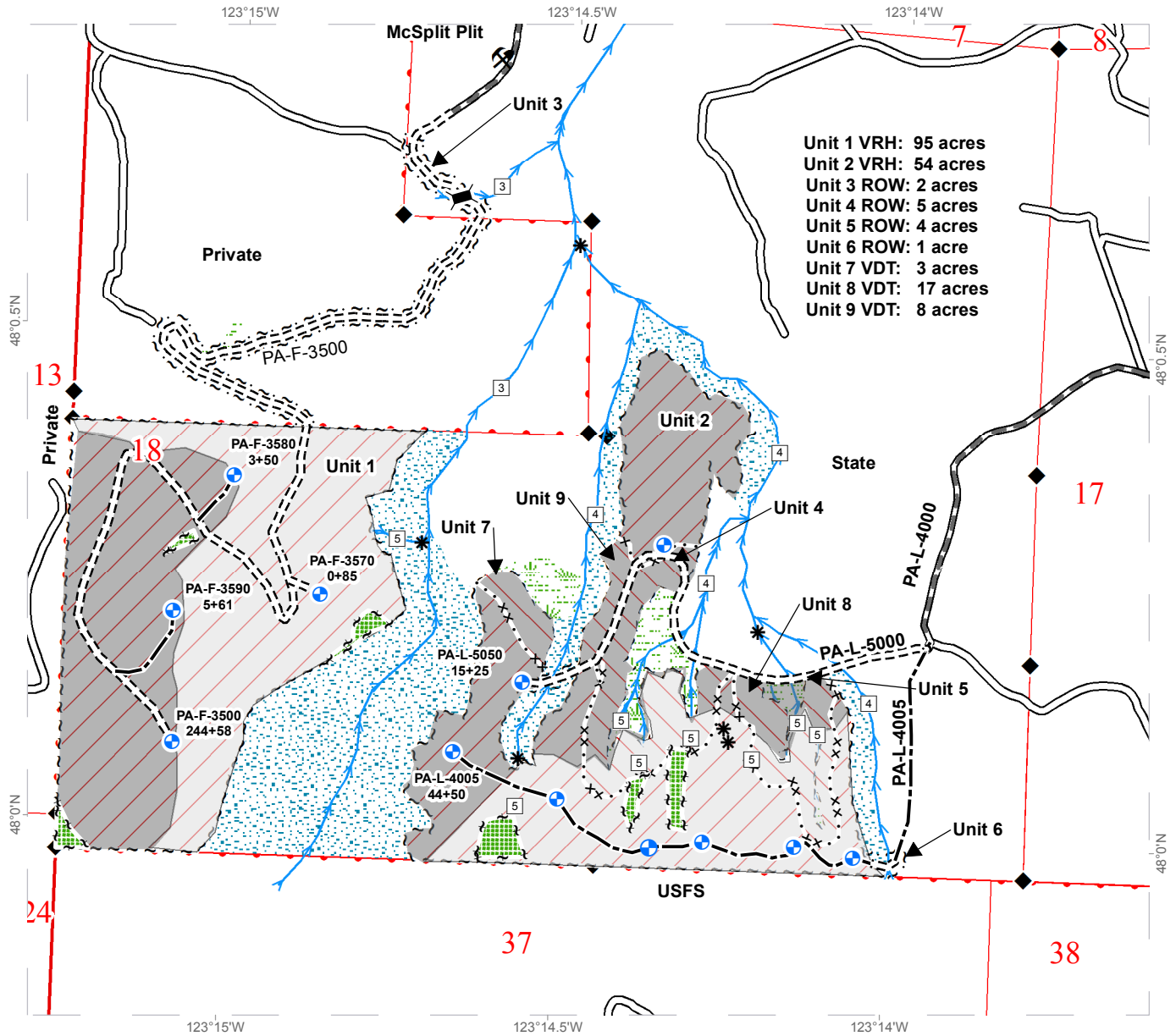
**FEES:** Within seven days of sale date, Purchaser must provide Department of Natural Resources with a cashier's check to in the amount of \$25,793.63 made payable to Merrill & Ring for a road use permit. \$96,649.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** There are locked gates on the PA-F-3500, PA-L-4000 roads and the Fitzgerald Pit- contact the Olympic Region Dispatch Center at 360-374-2800 to obtain an AA-1 key. Purchase is responsible for providing a concrete slab bridge- see road plan for details.

# TIMBER SALE MAP

**SALE NAME:** WEST TEXAS VRH/VDT  
**AGREEMENT #:** 30-095601  
**TOWNSHIP(S):** T29R04W  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Olympic Region  
**COUNTY(S):** CLALLAM  
**ELEVATION RGE:** 1489-2267

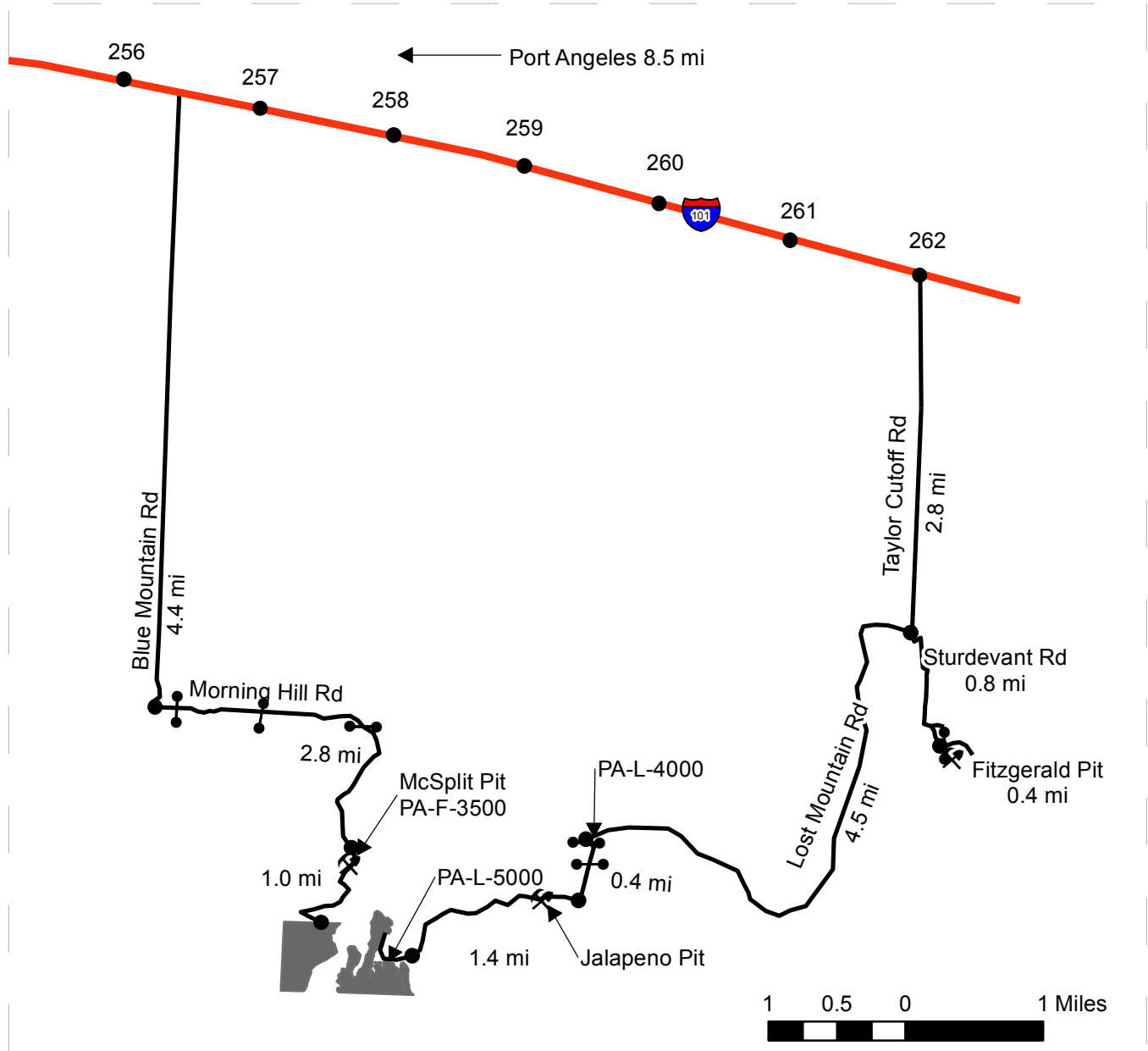







Variable Retention Harvest	Required Construction	Rock Pit
Variable Density Thinning	Required Pre-Haul Maintenance	Stream Type
Riparian Management Zone	Optional Construction	Bridge
Leave Tree Area	Existing Roads	Ground
Wetlands	Property Line	Cable/Tether
Sale Boundary Tags	Proposed Landings	Streams
Special Mgmt Area	Survey Monument	
Right of Way Tags	Stream Type Break	

# DRIVING MAP

**SALE NAME:** WEST TEXAS VRH/VDT  
**AGREEMENT#:** 30-095601  
**TOWNSHIP(S):** T29R04W  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Olympic Region  
**COUNTY(S):** CLALLAM  
**ELEVATION RGE:** 1489-2267



-  Timber Sale Unit
-  Haul Route
-  Gates
-  Rock Pits
-  Distance Indicators

**Units 1 & 3:** Drive 8.5 miles east on HWY 101 from Port Angeles, and turn south on Blue Mountain Rd. just past MP 256. Head south on Blue Mountain Rd. for 4.4 miles and then turn east on the PA-L-3500 (Morning Hill Rd). Travel through 3 gates (AA1 key required) and continue for 2.8 miles to access McSplit Pit and Unit 3. Continue for 1.0 mile on the PA-L-3500 to access Unit 1.

**Units 2 & 4-9:** At mile post 262, turn south off of HWY 101 on Taylor Cutoff Rd. After 2.8 miles, Taylor Cutoff Rd turns into Lost Mountain Rd. Continue on Lost Mountain Rd. for 4.5 miles and then turn south on the PA-L-4000. Proceed through two gates (AA1 key required). Continue on the PA-L-4000 for 0.4 miles, then turn west on the PA-L-5000. Continue for 1.4 miles to access Units 2 & 4-9.

**Fitzgerald Pit:** When Taylor Cutoff Rd turns into Lost Mountain Rd, turn east on Sturdevant Rd. Continue for 0.8 miles, then turn east on Fitzgerald Rd. Proceed through a gate (AA1 key required) and continue for 0.4 miles to access Fitzgerald Pit.





**TIMBER NOTICE OF SALE**

**SALE NAME:** SHOE SHINER

**AGREEMENT NO:** 30-95934

**AUCTION:** February 22, 2018 starting at 10:00 a.m., **COUNTY:** Cowlitz  
Pacific Cascade Region Office, Castle Rock, WA

**SALE LOCATION:** Sale located approximately 16 miles east of Toutle, Washington

**PRODUCTS SOLD AND SALE AREA:** All timber, except trees marked with blue paint, trees bound by yellow "Leave Tree Area" tags, and all down timber existing 3 years prior to the day of sale bound by: white "Timber Sale Boundary" tags, and the 4250 road in Unit 1; white "Timber Sale Boundary" tags and the 2730 road in Units 2, 3, 4, 5 and 6; white "Timber Sale Boundary" tags, and reprod in Unit 7; and white "Timber Sale Boundary" tags and the 4290 road in Unit 8. All timber bound by orange "Right-of-Way" tags in Units 9, 10, and 11 on part(s) of Sections 13 all in Township 9 North, Range 2 East, Sections 15, 16, 17, 18, 19 and 20 all in Township 9 North, Range 3 East, W.M., containing 261 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

Species	Avg DBH	Ring Count	Total MBF	MBF by Grade								
				1P	2P	3P	SM	1S	2S	3S	4S	UT
Douglas fir	15.4	7	2,925						968	1,480	458	19
Hemlock	14.3	7	2,079						633	1,005	379	62
Noble fir	15.4		1,664						621	747	267	29
Red alder	10.3		80							9	64	7
Sale Total			6,748									

**MINIMUM BID:** \$1,660,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** July 31, 2020 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$166,000.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Cable and Ground based equipment. Harvesting activities are estimated to be 53% ground-based, 47% cable. Ground-based harvesting equipment is restricted to slopes of 40% and less. See Clause H-140 for further harvest requirements. A detailed felling and yarding plan shall be required prior to any harvest activities and approved in writing by the Contract Administrator.



## TIMBER NOTICE OF SALE

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**ROADS:** 36.90 stations of required construction. 46.18 stations of required reconstruction. 32.65 stations of optional construction. 49.46 stations of optional reconstruction. 352.56 stations of required pre-haul maintenance. 15.40 stations of required abandonment. 9.37 stations of required abandonment, if built. Rock for construction and reconstruction may be obtained from the 4250 P potential rock source, 4290 Pit, the 2730F Pit, located in Township 09 North, Range 03 East, Section 20 and the 2730C Pit, located in Township 09 North, Range 03 East, Section 17. See Road Plan for rock specifications. Road construction will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator.

### ACREAGE DETERMINATION

**CRUISE METHOD:** Acreage was determined by a combination of GIS and GPS. Cruise was completed using variable plot (Units 1-8) and individual tree sampling (Units 9-11) methods.

**FEES:** \$119,777.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

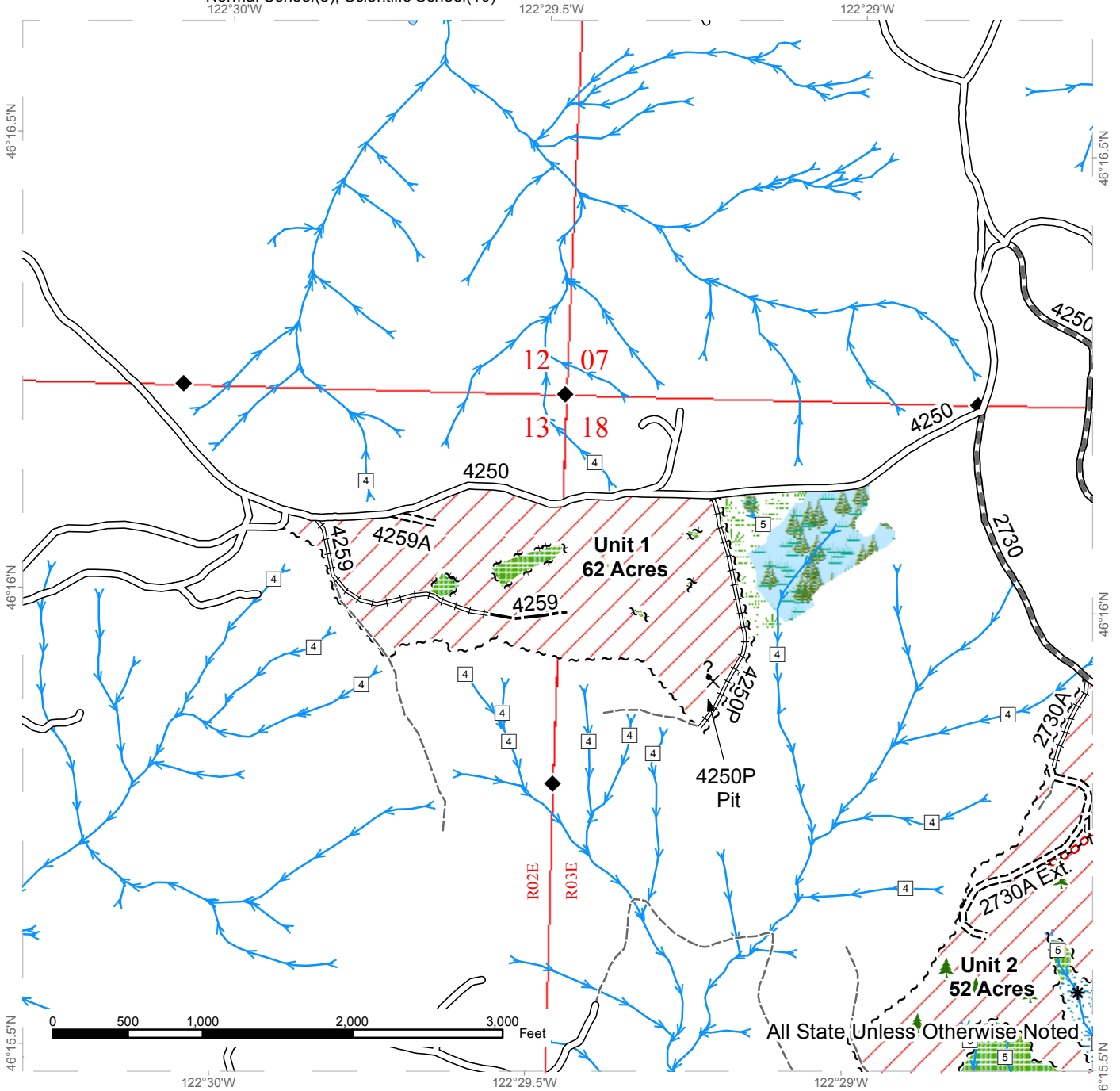
**SPECIAL REMARKS:** Portions of Unit 4 may need to be yarded over the RMZs. Corridors shall not be cut to facilitate in yarding operations due to inner gorges and unstable slopes. All wood must have full suspension over the canopies of the RMZ and leave tree clumps when yarding logs across. Profiles were run using a Madill 172 Tower and a Bowman V Super Sky Car from Unit 4 to Unit 2. ABA keys will be checked out to prospective purchasers, contractors, and personnel having business on DNR property. Keys may be obtained from the Pacific Cascade Region, Product Sales Staff. At the conclusion of DNR operations or contracts, keys are to be returned to Pacific Cascade Region office.



# TIMBER SALE MAP

**SALE NAME:** SHOE SHINER  
**AGREEMENT #:** 30-095934  
**TOWNSHIP(S):** T09R03E, T09R03E  
**TRUST(S):** Common School and Indemnity (3), Agricultural School(4), Normal School(8), Scientific School(10)  
 122°30'W

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 1985-2983



All State, Unless Otherwise Noted

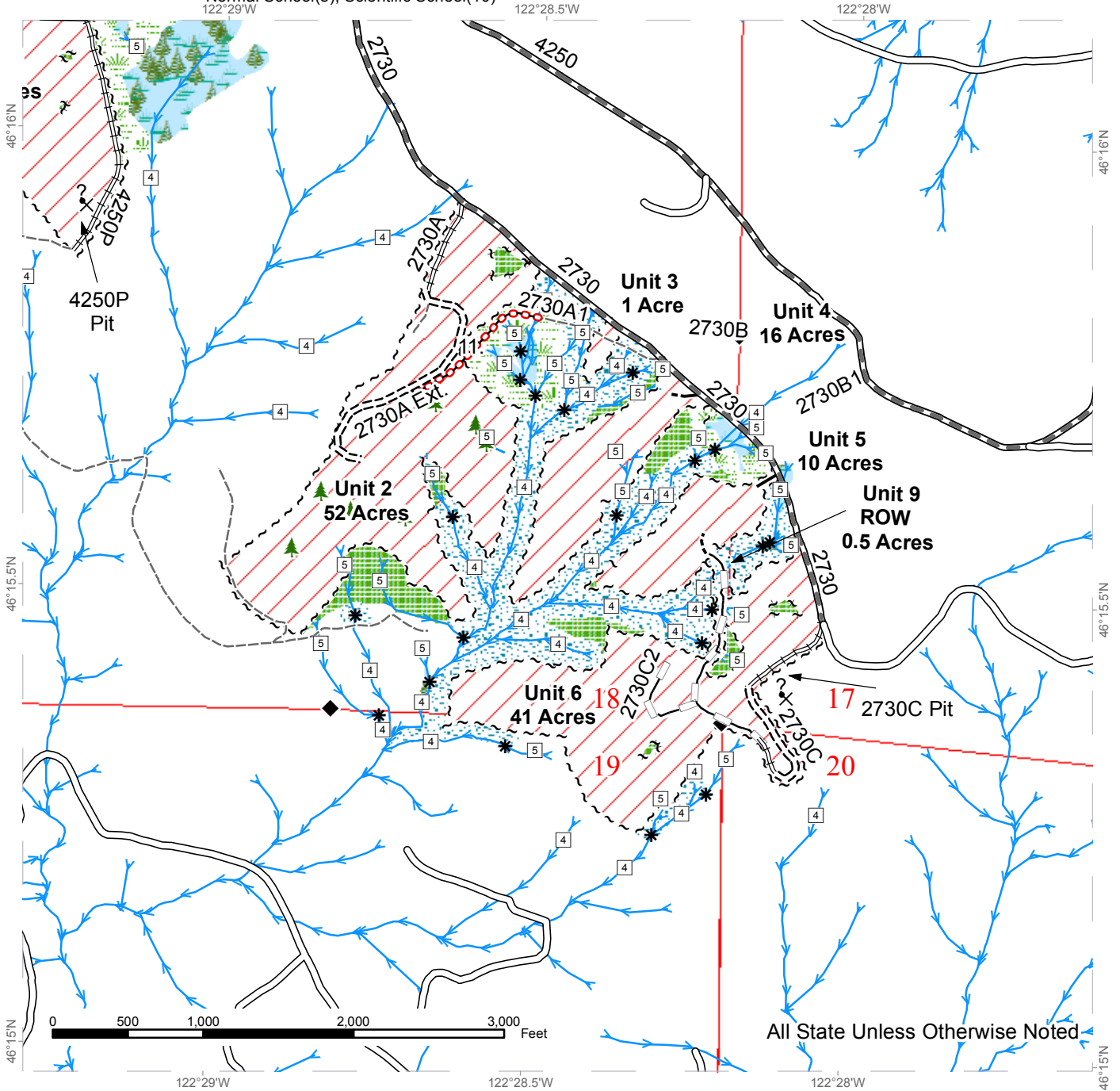
	Variable Retention Harvest		Existing Roads		Streams
	Leave Tree Area		Required Pre-Haul Maintenance		Stream Type
	Riparian Mgt Zone		Required Construction		Stream Type Break
	Forested Wetland		Required Reconstruction		Monumented Corners
	Wetland Mgt Zone		Optional Construction		Leave Trees
	Sale Boundary Tags		Required Abandonment		Potential Rock Source
	Leave Tree Tags		Old Grades/Trails		



# TIMBER SALE MAP

**SALE NAME:** SHOE SHINER  
**AGREEMENT #:** 30-095934  
**TOWNSHIP(S):** T09R03E, T09R03E  
**TRUST(S):** Common School and Indemnity (3), Agricultural School(4), Normal School(8), Scientific School(10)  
 122°29'W

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 1985-2983  
 122°28.5'W



All State Unless Otherwise Noted

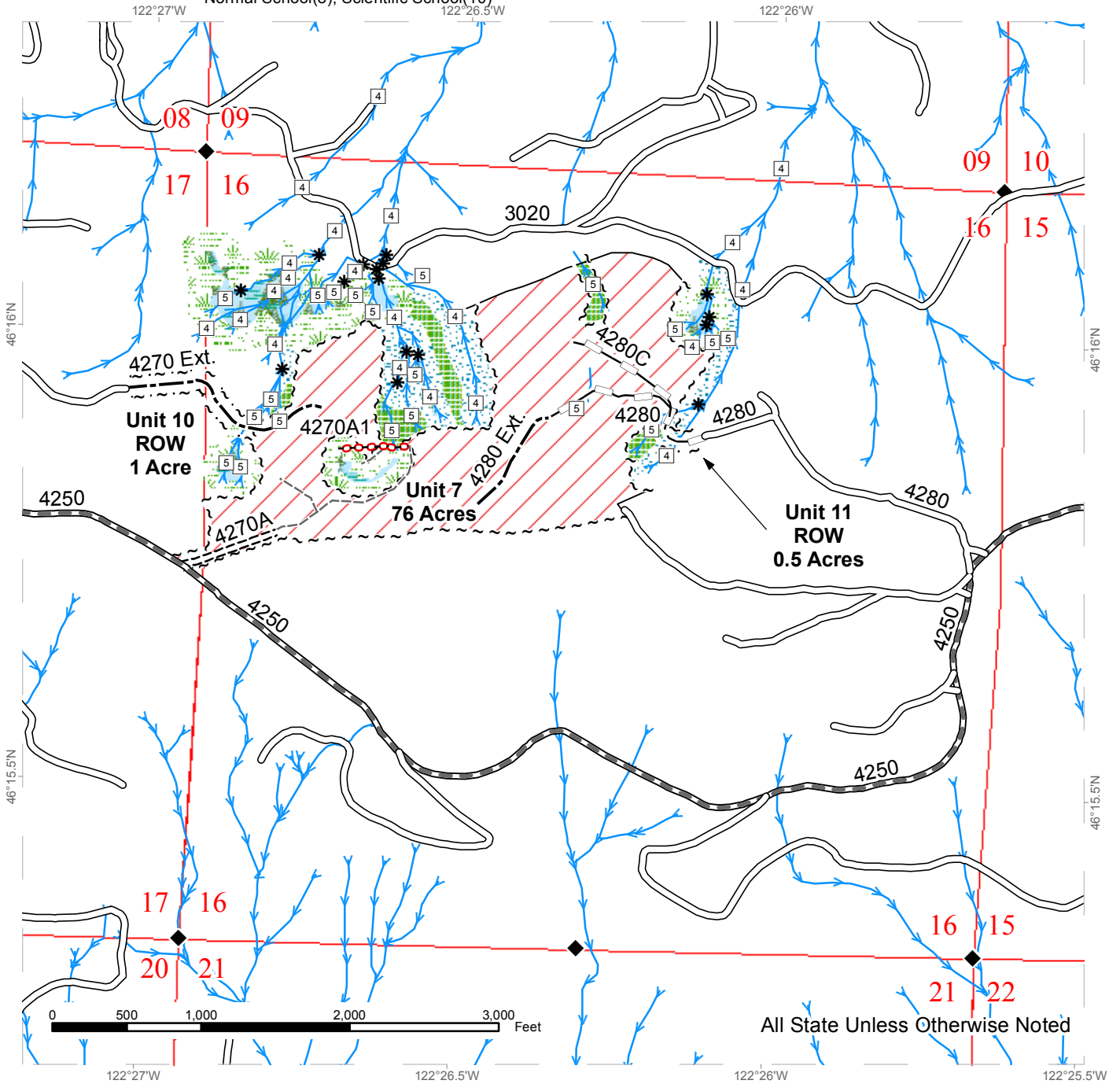
Variable Retention Harvest	Existing Roads	Streams
Leave Tree Area	Required Pre-Haul Maintenance	Stream Type
Riparian Mgt Zone	Required Construction	Stream Type Break
Forested Wetland	Required Reconstruction	Monumented Corners
Wetland Mgt Zone	Optional Construction	Leave Trees
Sale Boundary Tags	Optional Reconstruction	Potential Rock Source
Right of Way Tags	Required Abandonment	
Leave Tree Tags	Old Grades/Trails	



# TIMBER SALE MAP

**SALE NAME:** SHOE SHINER  
**AGREEMENT #:** 30-095934  
**TOWNSHIP(S):** T09R03E, T09R03E  
**TRUST(S):** Common School and Indemnity (3), Agricultural School(4),  
 Normal School(8), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 1985-2983



All State Unless Otherwise Noted

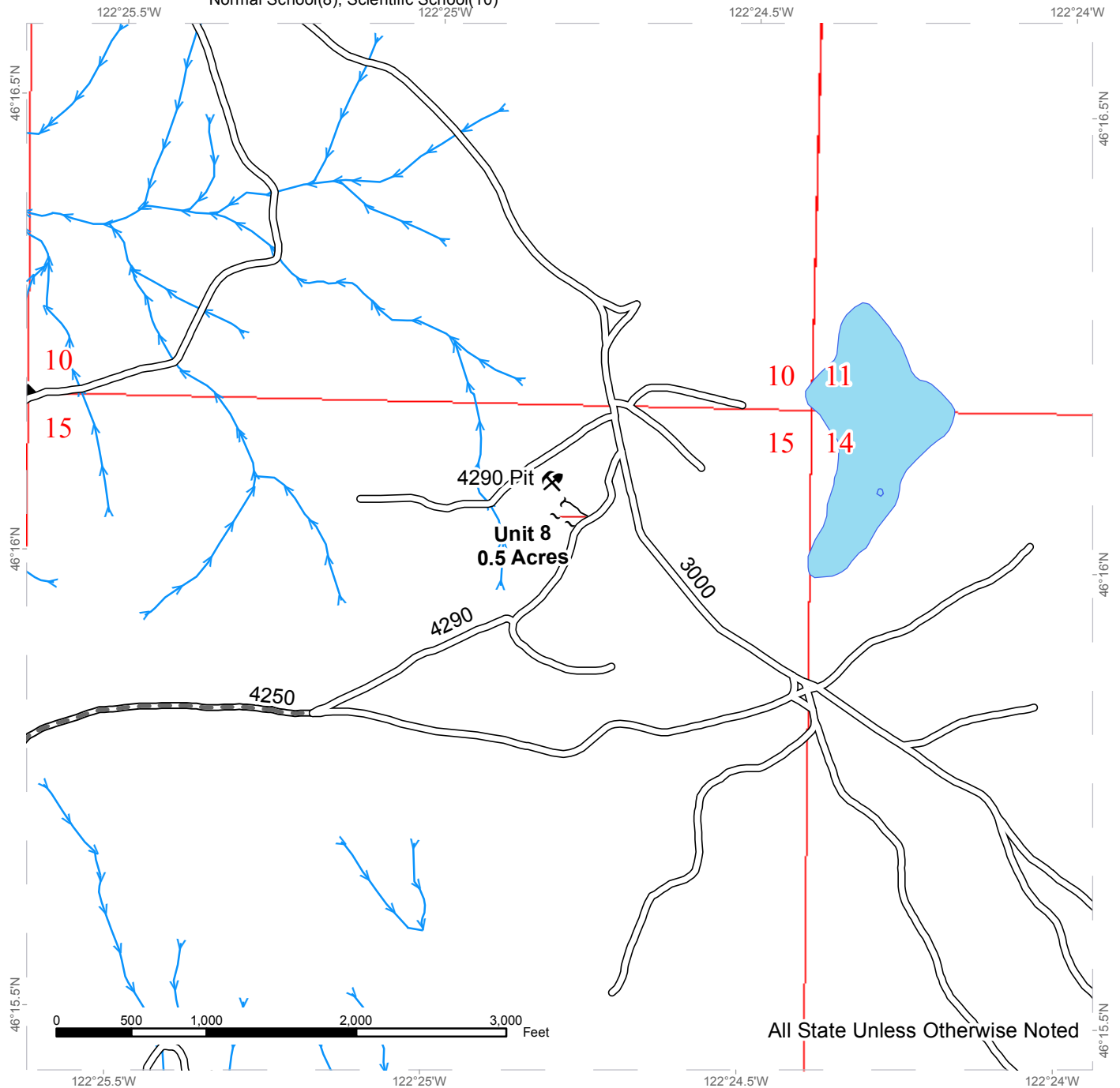
	Variable Retention Harvest		Existing Roads		Streams
	Leave Tree Area		Required Pre-Haul Maintenance		Stream Type
	Riparian Mgt Zone		Required Construction		Stream Type Break
	Forested Wetland		Optional Construction		Monumented Corners
	Wetland Mgt Zone		Optional Reconstruction		
	Sale Boundary Tags		Required Abandonment		
	Right of Way Tags		Old Grades/Trails		
	Reprod				



# TIMBER SALE MAP

**SALE NAME:** SHOE SHINER  
**AGREEMENT #:** 30-095934  
**TOWNSHIP(S):** T09R03E, T09R03E  
**TRUST(S):** Common School and Indemnity (3), Agricultural School(4), Normal School(8), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 1985-2983



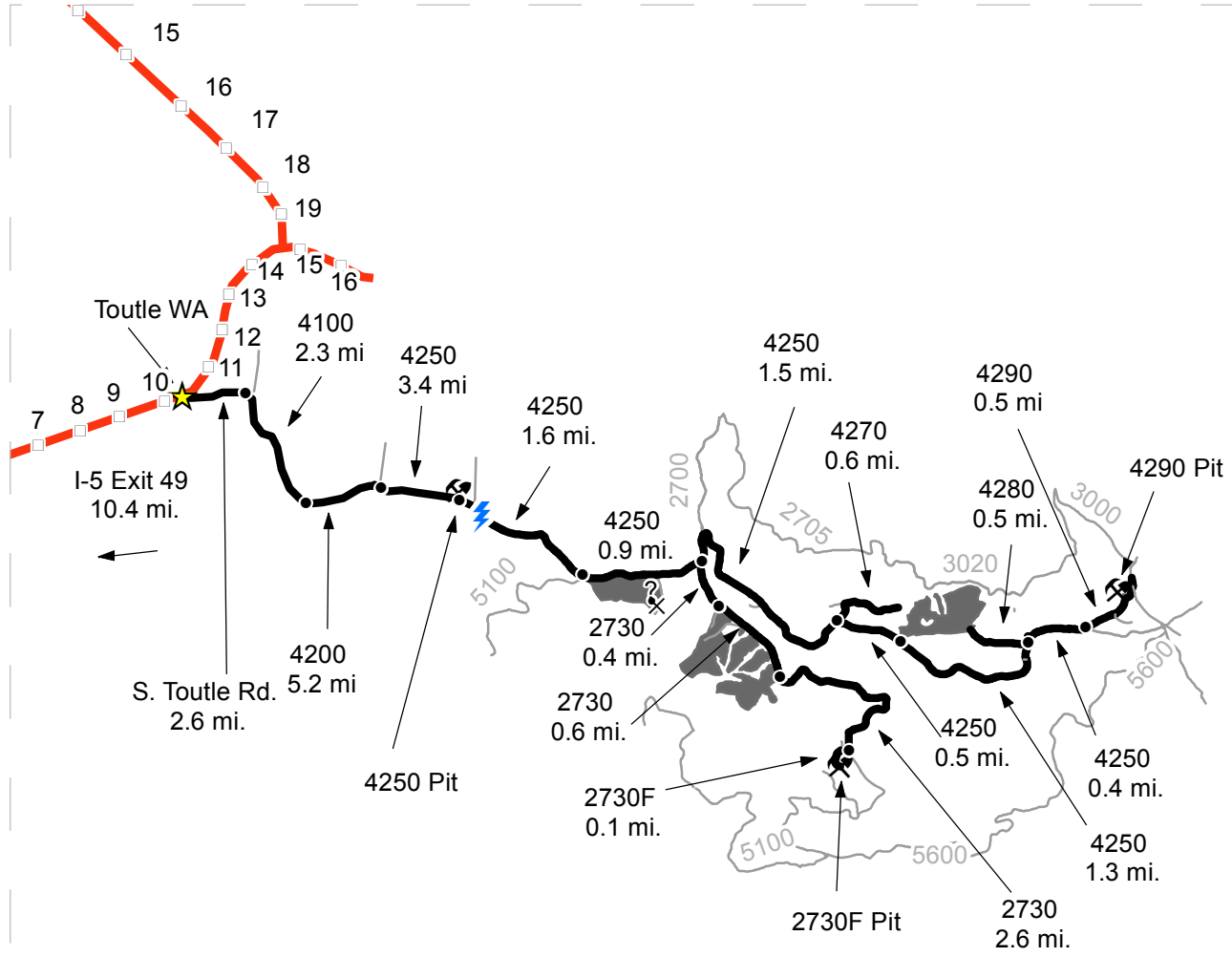
Sale Area - Fourth Symbol	Existing Roads	Streams
Sale Boundary Tags	Required Pre-Haul Maintenance	Stream Type
Reprod		Stream Type Break
		Monumented Corners
		Existing Rock Pit



# DRIVING MAP

**SALE NAME:** SHOE SHINER  
**AGREEMENT#:** None  
**TOWNSHIP(S):** T09R03E  
**TRUST(S):** Agricultural School(4), Normal School(8), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 1985-2983



	Timber Sale Unit
	Highways
	Haul Route
	Other Route
	Milepost Markers
	Existing Rock Pit
	Potential Rock Source

**DRIVING DIRECTIONS:**  
 Take Exit 49 off I-5. Follow SR 504 east for 10.4 miles. Turn right onto Sout Toutle Rd. Continue 2.6 miles and turn right onto the 4100 Rd. Drive 2.3 miles on the 4100, to the 4100/4200 intersection. Turn left onto the 4200 and continue for 5.2 miles until reaching the 4200/4250 intersection.

4250 Pit and Shoe Shiner: Turn right and follow for 3.4 miles on the 4250 (The 4250 Pit will be on the left).

Unit 1: From the 4250 pit continue on the 4250 Rd for 1.6 miles to the 4250/5100 intersection (Unit 1 will be on the right)

4250P Pit: Continue on the 4250 to the end of Unit 1. The 4250P Reconstruct will be on right. The pit can be found at the end of the Reconstruction.

Units 2-6: From Unit 1 continue for 0.9 miles on the 4250 Rd. to the 2730/4250 junction. Turn right onto the 2730 Rd and follow for 0.4 miles. Units 2-6 will be on their right over the next 0.6 miles.

2730C Pit: Follow the 2730 to the end of Unit 6. The 2730 reconstruct will be on the right. The pit can be found on the left side of the road at the first curve.

2730F Pit Access: From Unit 6 continue on the 2730 Rd. for 2.6 miles to the 2730F/2730 intersection. Turn right onto the 2730 and follow for 0.1 miles and the pit will be on the left.

Unit 7 and 4290 Pit: From Unit 1 continue on the 4250 for 2.9 miles (Unit 7 will be on the left) Continue on the 4250 for 1.7 miles to the 4290/4250 junction. Turn left onto the 4290 and follow for 0.5 miles, the pit will be on the left.







TIMBER NOTICE OF SALE

SALE NAME: FIR TRADER VRH VDT

AGREEMENT NO: 30-96013

AUCTION: February 22, 2018 starting at 10:00 a.m., COUNTY: Cowlitz
Pacific Cascade Region Office, Castle Rock, WA

SALE LOCATION: Sale located approximately 16 miles east of Woodland

PRODUCTS SOLD AND SALE AREA: All timber, except leave trees marked with blue paint, and snags bound by the following: white "Timber Sale Boundary" tags in Unit 1; white "Timber Sale Boundary" tags, reprod and the WS-8012 Road in Unit 2; white "Timber Sale Boundary" tags, reprod and the WS-8000 road in Unit 3. All timber as described in Schedule A bounded by the following: white "Timber Sale Boundary" tags and reprod in Unit 4; and white Timber Sale Boundary" tags, reprod and the N-6690 Road in Units 5 and 6. All timber bound by orange "Right of Way" tags in Units 7, 8 and 9. on part(s) of Sections 12 all in Township 6 North, Range 2 East, Sections 2, 3 and 6 all in Township 6 North, Range 3 East, W.M., containing 268 acres, more or less.

CERTIFICATION: This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

ESTIMATED SALE VOLUMES AND QUALITY:

Table with columns: Species, Avg DBH, Ring Count, Total MBF, Total \$/MBF, and MBF by Grade (1P, 2P, 3P, SM, 1S, 2S, 3S, 4S, UT). Rows include Douglas fir, Hemlock, Silver fir, Red alder, and Sale Total.

MINIMUM BID: \$227/MBF (est. value \$469,000.00) BID METHOD: Sealed Bids

PERFORMANCE SECURITY: \$93,800.00 SALE TYPE: MBF Scale

EXPIRATION DATE: October 31, 2020 ALLOCATION: Export Restricted

BIDDABLE SPECIES: Douglas fir

BID DEPOSIT: \$46,900.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

HARVEST METHOD: Cable, Shovel, Track skidder and Rubber tired skidder. This sale is estimated to be 95% ground based and 5% cable yarding. A detailed felling and yarding plan shall be required prior to any harvest activities. Shovel yarding is restricted to slopes of 45% or less. For additional harvest requirements, refer to the H-140 and H-141 clauses in the contract. Ground Based Yarding will not be permitted from October 1 to May 1 unless authorized in writing by the Contract Administrator.

ROADS: 142.27 stations of required reconstruction. 28.96 stations of optional construction. 19.91 stations of optional reconstruction. 42.49 stations of required pre-haul maintenance.



## TIMBER NOTICE OF SALE

Rock for construction, reconstruction, and pre-haul maintenance under this contract shall be obtained from the WS-8000 Pit and the N-6692A-2 Pit. Rock amounts used in accordance with the quantities on the ROCK LIST. Rock sources are subject to written approval by the Contract Administrator before their use. 78" x 60' culvert installation on the WS-8006 at station 46+84. Road construction will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator. The hauling of forest products will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** The sale acres were determined by GPS (Trimble) delineation. Cruise was completed using variable plot cruise methods and individual tree sampling methods.

**FEES:** The Purchaser shall pay fees of \$31,930.00 to the Weyerhaeuser Company. for a Road Use Permit between the State and Weyerhaeuser Company. This fee must be paid within 30 days after the State enters into a timber sale contract for the Fir Trader VRH VDT Timber Sale. \$48,990.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

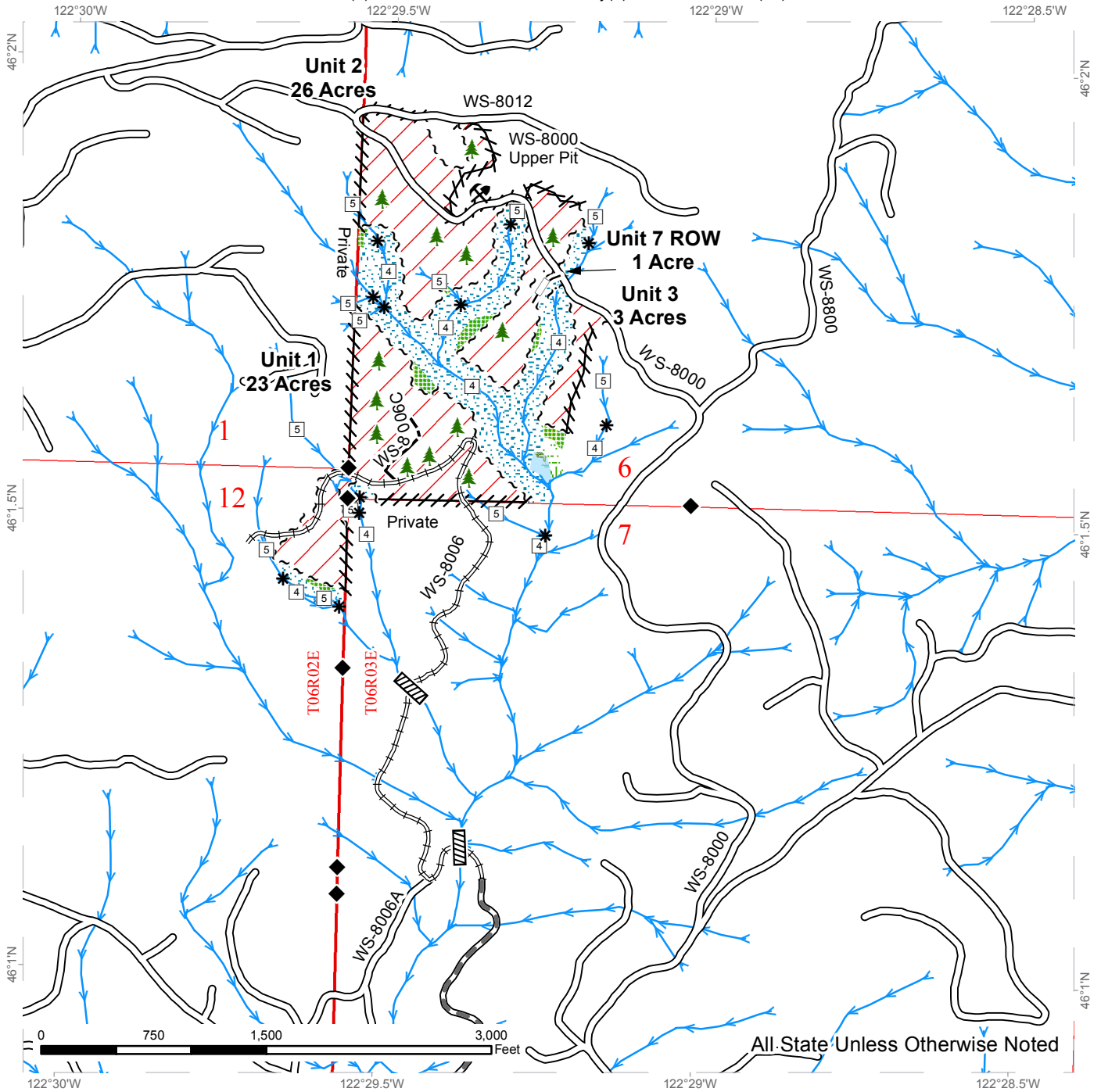
**SPECIAL REMARKS:** This sale has approximately 99 MBF of high quality DF 2 sawlog, 247 MBF of high quality DF 3 sawlog, 9 MBF of high quality WH 2 sawlog, 61 MBF of high quality WH 3 sawlog, and 71 MBF of high quality SF 3 sawlog. See cruise for more details. Right-of-Way Units 10 and 11 are located on private land, see RUP for further details.. See driving map for gate locations. PCP 1-1 gate keys may be obtained from the Pacific Cascade Region office.



# TIMBER SALE MAP

**SALE NAME:** FIR TRADER VRH VDT  
**AGREEMENT #:** 30-096013  
**TOWNSHIP(S):** T07R03E, T06R03E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 2113-2921



All State Unless Otherwise Noted

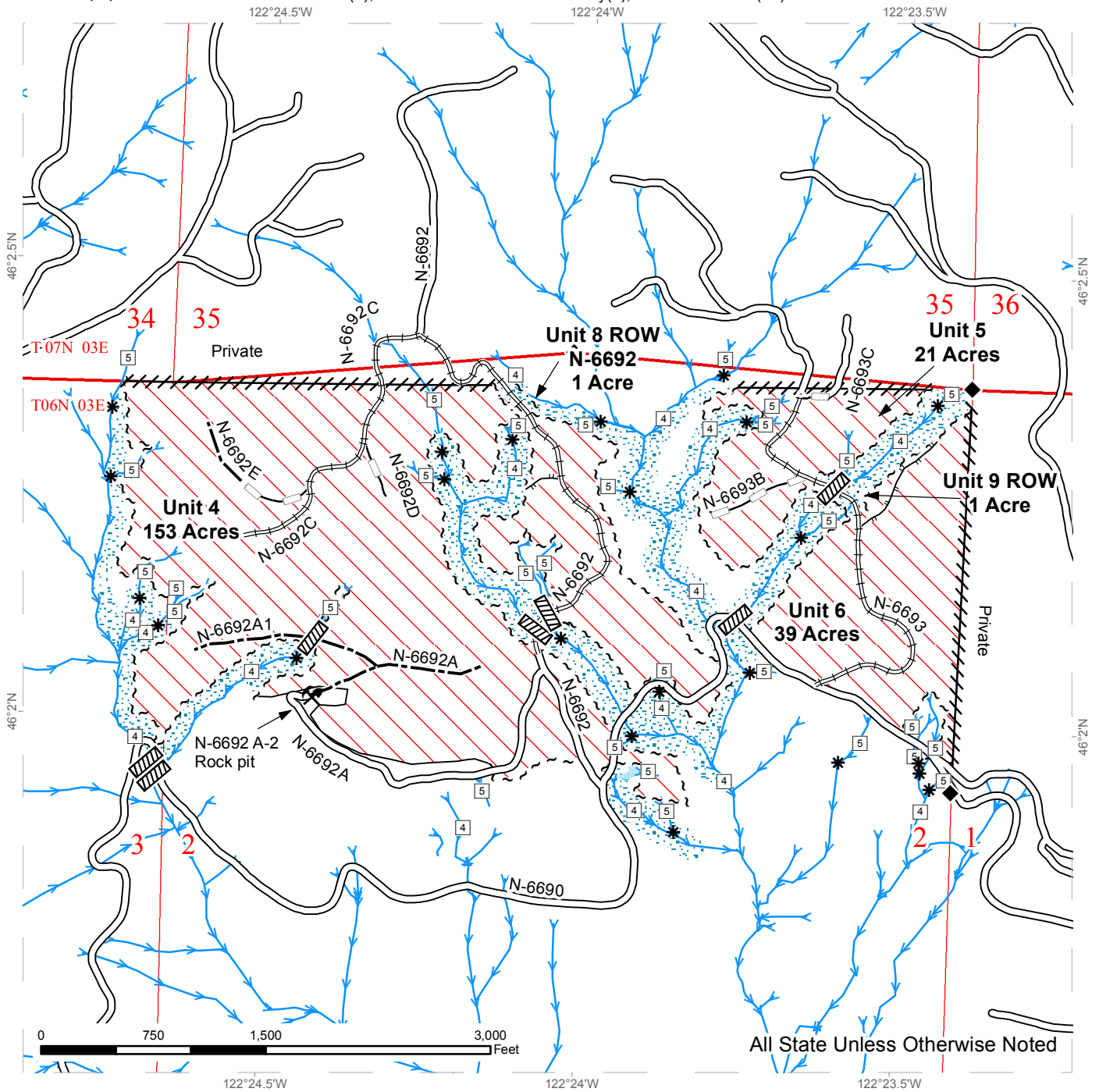
Variable Retention Harvest	Existing Roads	Streams
Leave Tree Area	Required Pre-Haul Maintenance	Stream Type
Riparian Mgt Zone	Required Reconstruction	Stream Type Break
Forested Wetland	Optional Construction	Survey Monument
Wetland Mgt Zone	Optional Reconstruction	Culvert
Sale Boundary Tags		Leave Tree Area
Right of Way Tags		Rock Pit
Flag Line		



# TIMBER SALE MAP

**SALE NAME:** FIR TRADER VRH VDT  
**AGREEMENT #:** 30-096013  
**TOWNSHIP(S):** T07R03E, T06R03E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 2113-2921



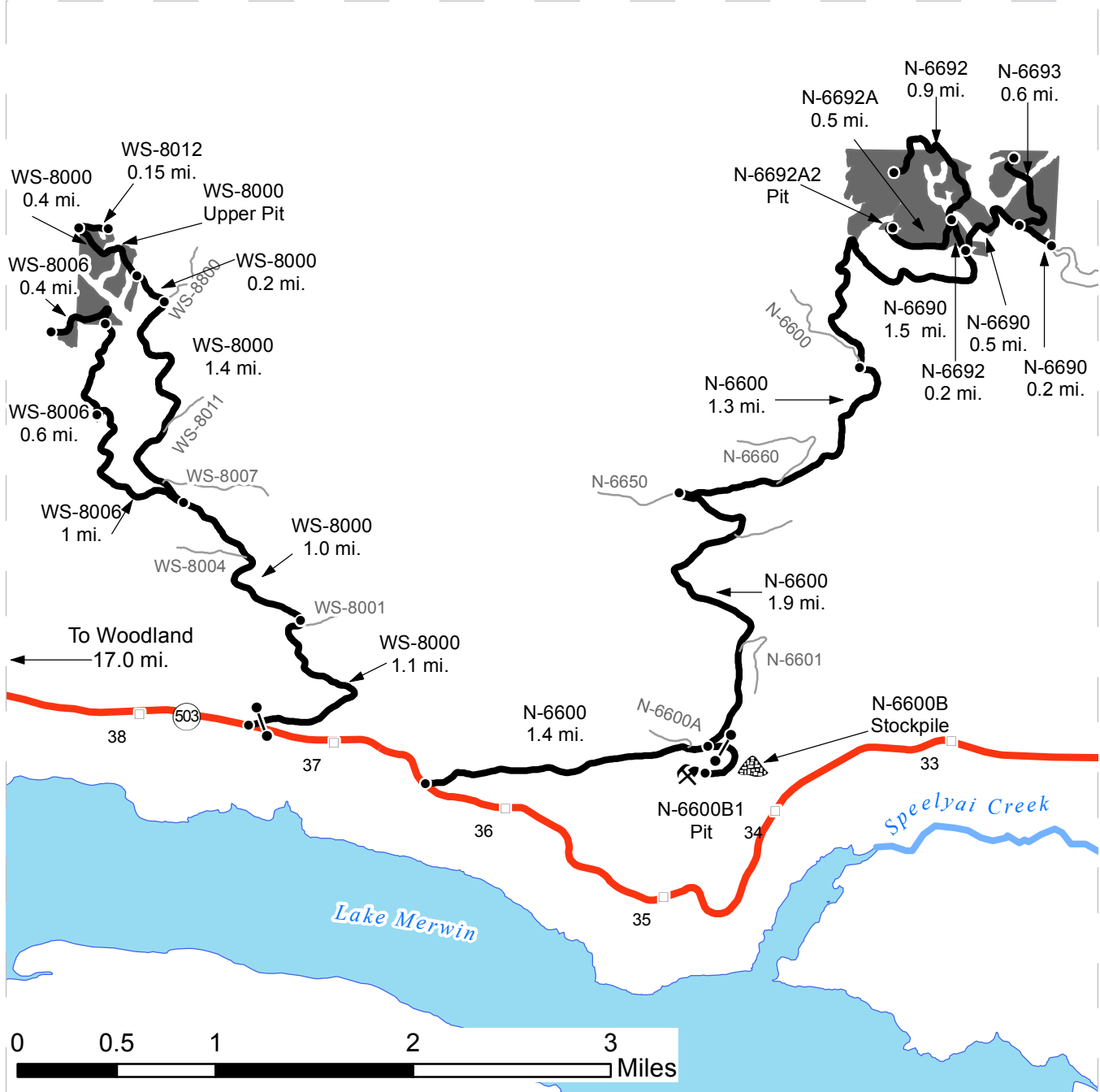
Variable Density Thinning	Existing Roads	Streams
Riparian Mgt Zone	Required Reconstruction	Stream Type
Forested Wetland	Optional Construction	Stream Type Break
Sale Boundary Tags	Optional Reconstruction	Survey Monument
Right of Way Tags	Designated Skid Trail	Culvert
Flag Line		Rock Pit
Timber Type Change		



# DRIVING MAP

**SALE NAME:** FIR TRADER VRH VDT  
**AGREEMENT#:** 30-096013  
**TOWNSHIP(S):** T07R03E, T06R03E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 2113-2921



- Timber Sale Unit
- Haul Route
- Other Road
- Milepost Markers
- Highway
- Distance Indicator
- Gate (PCP -1 -1)
- Existing Rock Pit
- Stockpile

**DRIVING DIRECTIONS:**  
 SEE ATTACHMENT.



## Fir Trader VRH VDT

### Driving Directions

#### **Units 1, 2, and 3:**

From State Route 503 (1/2 way between mileposts 38 and 37) turn north onto the WS-8000 road  
Stay on the WS-8000 road for 2.1 miles, keep left on the WS-8006 (not drivable 0.5 mile from 8000/8006  
junction) and continue for 1.6 miles to Unit 1.

From the WS8006/WS-8000 junction continue on WS-8000 1.6 miles to Unit 3.

Continue on WS-8000 for 0.1 miles to Unit 2.

#### **Units 4, 5, and 6:**

From State Route 503 (1/2 way between mileposts 37 and 36) turn north on the N-6600 road  
Continue on the N-6600 road for 4.6 to N-6600 / N-6690 junction, keep right on N-6690 for 1.5 miles to  
Unit 4 (junction of N-6690 / N-6692.) Continue on N-6692 for 0.2 miles; turn left (south) and continue  
for 0.5 miles to N-6692A2 Rock Pit.

Continue on N-6690 for 0.5 miles to Unit 5.

Turn left (north) on the N-6693 and continue for 0.6 miles to Unit 6 (N-6693 not drivable.)

**\*Note:** The N-6692 (beyond the first distance indicator to the north), N-6693 and WS-8006 are not currently drivable.





**TIMBER NOTICE OF SALE**

**SALE NAME:** SWEET TEA

**AGREEMENT NO:** 30-094641

**AUCTION:** February 20, 2018 starting at 10:00 a.m., **COUNTY:** King  
South Puget Sound Region Office, Enumclaw, WA

**SALE LOCATION:** Sale located approximately 11 miles south of North Bend.

**PRODUCTS SOLD  
AND SALE AREA:**

All timber, except trees marked with blue paint or bounded out by yellow leave tree area tags, snags, and down timber existing more than 5 years from the day of sale, bounded by the following: white timber sale boundary tags, and the 5400 and 5410 roads in Unit #1; white timber sale boundary tags in Unit #2;

All timber, except as described in Road Plan clause 3-6 marked with orange right of way tags in Right of Way (ROW) Unit #3;

All forest products above located on part(s) of Sections 24 and 25 all in Township 23 North, Range 7 East, W.M., containing 180 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

Species	Avg DBH	Ring Count	Total MBF	MBF by Grade								
				1P	2P	3P	SM	1S	2S	3S	4S	UT
Douglas fir	13.3	8	1,959						294	833	754	78
Hemlock	8.6	9	227							83	78	66
Red alder	9.3		176							23	114	39
Cottonwood	12.3		99						59		40	
Maple	8.3		68								53	15
Spruce	13.6		14						14			
Red cedar	15.4		4								4	
Sale Total			2,547									

**MINIMUM BID:** \$469,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2019 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$46,900.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Harvesting activities are estimated to be 90 percent ground-based and 10 percent uphill cable. Cable and tracked ground based equipment, with non cable-tethered or self-leveling equipment limited to sustained slopes of 45 percent or less, self-leveling equipment limited to sustained slopes of 65 percent or less, and cable-tethered equipment limited to sustained slopes of 75 percent or less. Rubber tired skidders will not be allowed. Yarding may be restricted during wet weather if rutting becomes excessive, per clause H-017.



## TIMBER NOTICE OF SALE

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Falling, yarding, and timber haul will not be permitted from November 1 to April 30, nor on weekends or state recognized holidays, unless authority to do so is granted, in writing, by the Contract Administrator. If permission is granted to operate from November 1 to April 30, preventative measures may be required to protect water, soil, roads and other forest assets.

**ROADS:**

16.94 stations of required construction. 64.69 stations of required reconstruction. 6.93 stations of optional construction. 367.56 stations of required pre-haul maintenance. 496.27 stations of required post-haul maintenance. 2.64 stations of required abandonment. 6.93 stations of abandonment, if built. Purchaser maintenance on all roads used. Rock for this proposal can be obtained from the State owned Rattlesnake Pit at no cost to the Purchaser or any commercial rock source at the Purchaser's expense. There is approximately 6,000 cubic yards of 1 1/2 foot minus available for use in the Rattlesnake Pit per Road Plan clause 6-3. Purchaser is required to perform rock pit development work according to Road Plan clause 6-10 and Pit Development Plan. Purchaser is responsible to provide a 2,700 cubic yard stockpile of 1 1/2 foot minus rock in addition to rock applied to roads prior to termination of the contract. See Rock List in the Road Plan for additional information.

Road construction equipment and rock haul will not be permitted from November 1 to April 30, nor on weekends, or state recognized holidays, unless authority to do so is granted, in writing, by the Contract Administrator. If permission is granted to operate from November 1 to April 30, the Purchaser may be required to provide a maintenance plan per Road Plan clause 1-26.

**ACREAGE DETERMINATION**

**CRUISE METHOD:** Acreage was determined by traversing boundaries by GPS. Traverse GPS data files are available upon request by emailing [julie.gilling@dnr.wa.gov](mailto:julie.gilling@dnr.wa.gov). See cruise narrative for cruise method.

**FEES:** \$45,209.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** This proposal includes the installation of a 36 inch and multiple 24 inch stream crossing culverts, in addition to crossdrains.

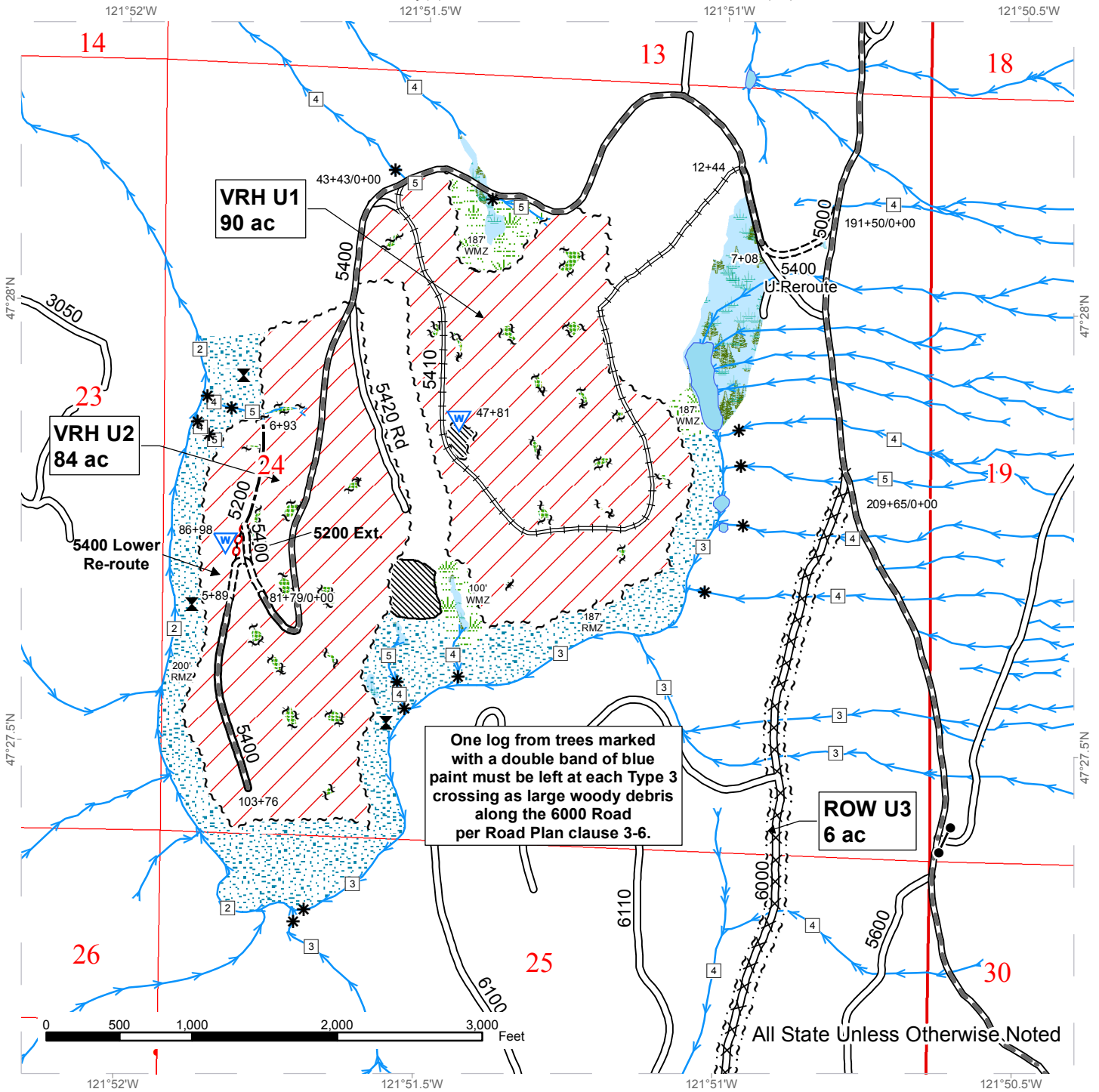
If authority to haul timber and/or operate road construction equipment is granted during the restricted periods, it is anticipated to be very limited due to wet conditions typical in the area.

See map for gate locations. Gate keys may be obtained by contacting the South Puget Sound Region Office at 360-825-1631 or by contacting Zach Beebe at 253-736-4830.

# TIMBER SALE MAP

**SALE NAME:** SWEET TEA  
**AGREEMENT #:** 30-094641  
**TOWNSHIP(S):** T23R07E  
**TRUST(S):** Common School and Indemnity(3), Water Pollution Control Division Trust Land(77)

**REGION:** South Puget Sound Region  
**COUNTY(S):** KING  
**ELEVATION RGE:** 1156-1722



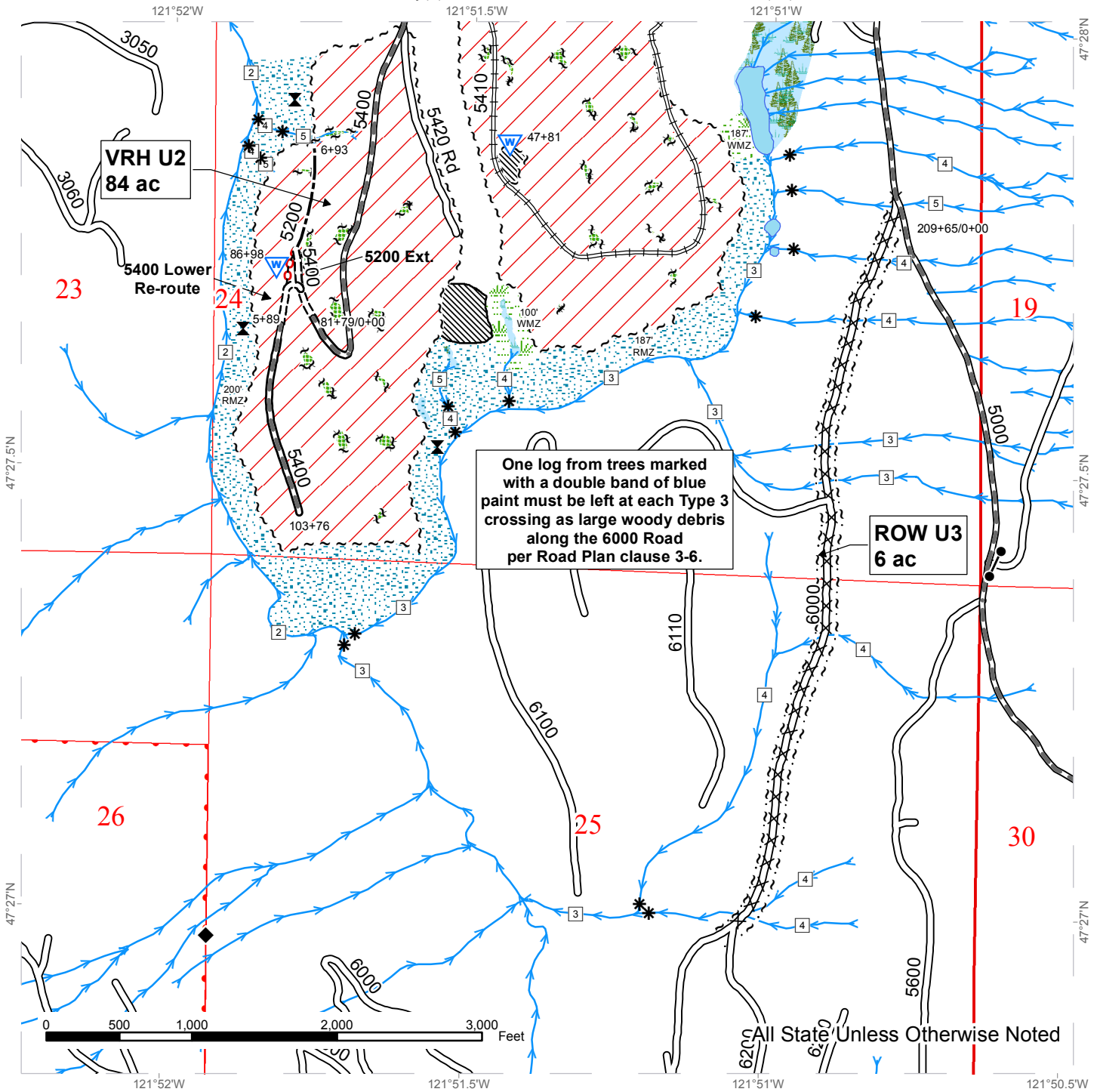
	Variable Retention Harvest		Sale Boundary Tags		Existing Roads
	Leave Tree Area		Leave Tree Tags		Required Post-Haul Maintenance
	Forested Wetland		Right of Way Tags		Required Pre-Haul Maintenance
	Riparian Mgt Zone		Streams		Required Abandonment
	Wetland Mgt Zone		Stream Type		Required Construction
	Relic Pit		Stream Type Break		Required Reconstruction
	Public Land Survey Sections		Potentially Unstable Slopes		Optional Construction
	Open Water		Waste Area		



# TIMBER SALE MAP

**SALE NAME:** SWEET TEA  
**AGREEMENT #:** 30-094641  
**TOWNSHIP(S):** T23R07E  
**TRUST(S):** Common School and Indemnity(3), Water Pollution Control Division Trust Land(77)

**REGION:** South Puget Sound Region  
**COUNTY(S):** KING  
**ELEVATION RGE:** 1156-1722

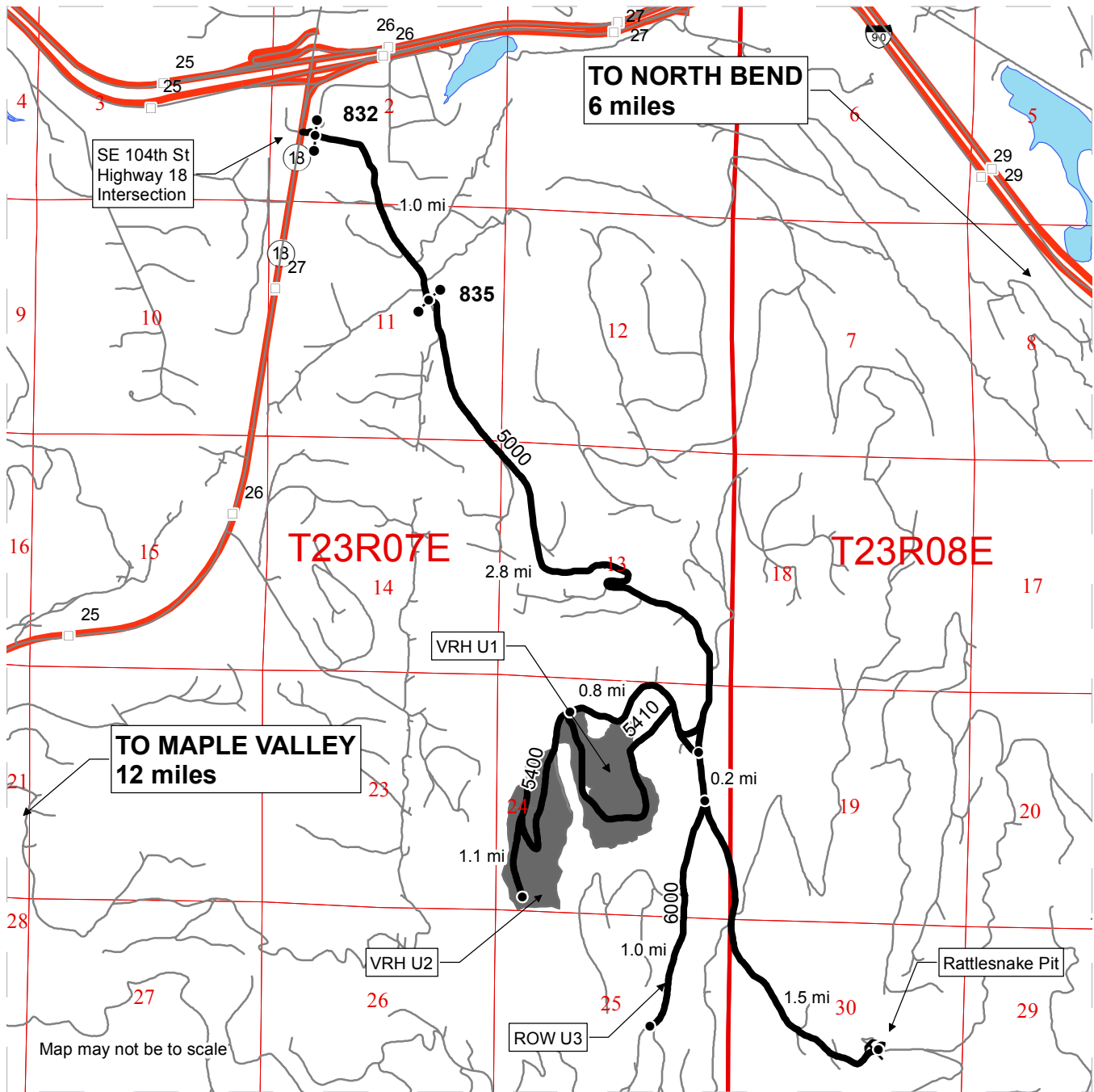


Variable Retention Harvest	Sale Boundary Tags	Existing Roads
Leave Tree Area	Leave Tree Tags	Required Post-Haul Maintenance
Forested Wetland	Right of Way Tags	Required Pre-Haul Maintenance
Riparian Mgt Zone	Streams	Required Abandonment
Wetland Mgt Zone	Stream Type	Required Construction
Relic Pit	Stream Type Break	Required Reconstruction
Public Land Survey Sections	Potentially Unstable Slopes	Optional Construction
Open Water	Waste Area	Survey Monument

# DRIVING MAP

SALE NAME: SWEET TEA  
 AGREEMENT#: 30-094641  
 TOWNSHIP(S): T23R07E  
 TRUST(S): Common School and Indemnity(3), Water Pollution Control Division Trust Land(77)

REGION: South Puget Sound Region  
 COUNTY(S): KING  
 ELEVATION RGE: 1156-1722



- Timber Sale Unit
- Highway
- Haul Route
- Other Road
- Milepost Markers
- Distance Indicator
- Gate (Master 786)
- Rock Pit

**DRIVING DIRECTIONS:**  
**FROM HWY 18 and SE 104th St**  
**TO UNITS 1 and 2**  
 Take right onto the 5000 Rd (Rattlesnake ML) through gate 832. Continue for 1.0 mile through gate 835. Continue for 2.8 miles and take right onto the 5400 Rd. Continue for 0.8 mile and Unit 1 will be on the left. Continue for 1.1 miles more to arrive at the southern end of Unit 2.  
**TO UNIT 3**  
 From the 5000/5400 Rd Int. continue on the 5000 Rd for 0.2 mile and take a right on the 6000 Rd. The Unit will be on either side of the road for 1.0 mile.  
**TO RATTLESNAKE PIT**  
 From the 5000/6000 Rd Int. continue on the 5000 Rd for 1.5 miles, the pit will be on the left.







**TIMBER NOTICE OF SALE**

**SALE NAME:** CATT BACK

**AGREEMENT NO:** 30-094074

**AUCTION:** February 20, 2018 starting at 10:00 a.m., **COUNTY:** Lewis  
South Puget Sound Region Office, Enumclaw, WA

**SALE LOCATION:** Sale located approximately 19 miles east of Mineral.

**PRODUCTS SOLD  
AND SALE AREA:**

All timber, except trees marked with blue paint or bounded out by yellow leave tree area tags, snags, and down timber existing more than 5 years from the day of sale, bounded by the following: white timber sale boundary tags in Unit #1;

White timber sale boundary tags and the 15-2 Road in Unit #2;

All timber bounded by white timber sale boundary tags and the 17 Road in Unit #3;

All timber marked with orange paint in Right of Way A;

All timber bounded by orange right of way boundary tags in Right of Way B;

All forest products above located on part(s) of Sections 13, 24 and 25 all in Township 14 North, Range 6 East, W.M., containing 94 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572) and FSC 100% raw materials under the Forest Stewardship Council® Standard (cert no: BV-FM/COC-080501).

**ESTIMATED SALE VOLUMES AND QUALITY:**

Species	Avg DBH	Ring Count	Total MBF	MBF by Grade								
				1P	2P	3P	SM	1S	2S	3S	4S	UT
Hemlock	10.4	6	2,048						106	936	803	203
Douglas fir	12.4	6	364						136	105	107	16
Silver fir	13.9		117						46	40	31	
Red cedar	11		76							7	69	
Noble fir	14		47						29	11	7	
Cottonwood	22.5		22						21		1	
Red alder	10.2		9								9	
Sale Total			2,683									

**MINIMUM BID:** \$586,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2019 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$58,600.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Harvesting activities are estimated to be 48 percent uphill cable, and 52 percent ground based harvest. Cable or ground based equipment, with cable-tethered equipment limited



## TIMBER NOTICE OF SALE

to sustained slopes 70 percent or less, non-tethered self-leveling equipment limited to sustained slopes 60 percent or less, and all other ground based equipment limited to sustained slopes 45 percent or less. Yarding may be restricted during wet weather if rutting becomes excessive, per clause H-017.

Falling, yarding and timber haul will not be permitted from November 1 to May 15, nor on weekends, or State recognized holidays, unless authority to do so is granted, in writing, by the Contract Administrator. If permission is granted to operate from November 1 to May 15, preventative measures may be required to protect water, soils, roads and other forest assets.

### **ROADS:**

44.50 stations of required reconstruction. 10.48 stations of optional construction. 433.11 stations of required pre-haul maintenance. 477.61 stations of post-haul maintenance. 10.48 stations of post-haul maintenance, if constructed. Purchaser maintenance on the 15, 15-2, 15-3, and 15-3-1 roads. Designated maintenance on all other roads used. Rock for this proposal can be obtained from the state owned Griffin Rock Pit at no cost to the Purchaser or any commercial rock source at the Purchaser's expense.

Rock pit development work is required in the Griffin Pit per Road Plan clause 6-10. Purchaser will be required to provide a stockpile of 1,500 cubic yards of 3 inch minus crushed rock per Road Plan clause 6-65.

Road construction and rock haul will not be permitted from November 1 to May 15, nor on weekends, or state recognized holidays, unless authority to do so is granted, in writing, by the Contract Administrator. If permission is granted to operate from November 1 to May 15, the Purchaser may be required to provide a maintenance plan per Road Plan clause 1-26.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** Unit acreage was determined by traversing boundaries by GPS. Right of way acreage was determined by multiplying length times width. Traverse GPS data files are available upon request by emailing [julie.gilling@dnr.wa.gov](mailto:julie.gilling@dnr.wa.gov). See Cruise narrative for the cruise method.

**FEES:** \$47,623.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** In addition to the above restrictions, no activity will be permitted between December 1 and March 31, unless approved in writing by the Contract Administrator. The closure is to protect heavily used winter recreation facilities managed by Mount Tahoma Trails Association (MTTA) that are located in the vicinity of the proposal, as well as the haul route, which is utilized for winter recreation. The only foreseeable exception to this closure would be an unseasonably low snow pack with frozen ground, or operations in a location that would not cause conflict with any MTTA recreation facilities.

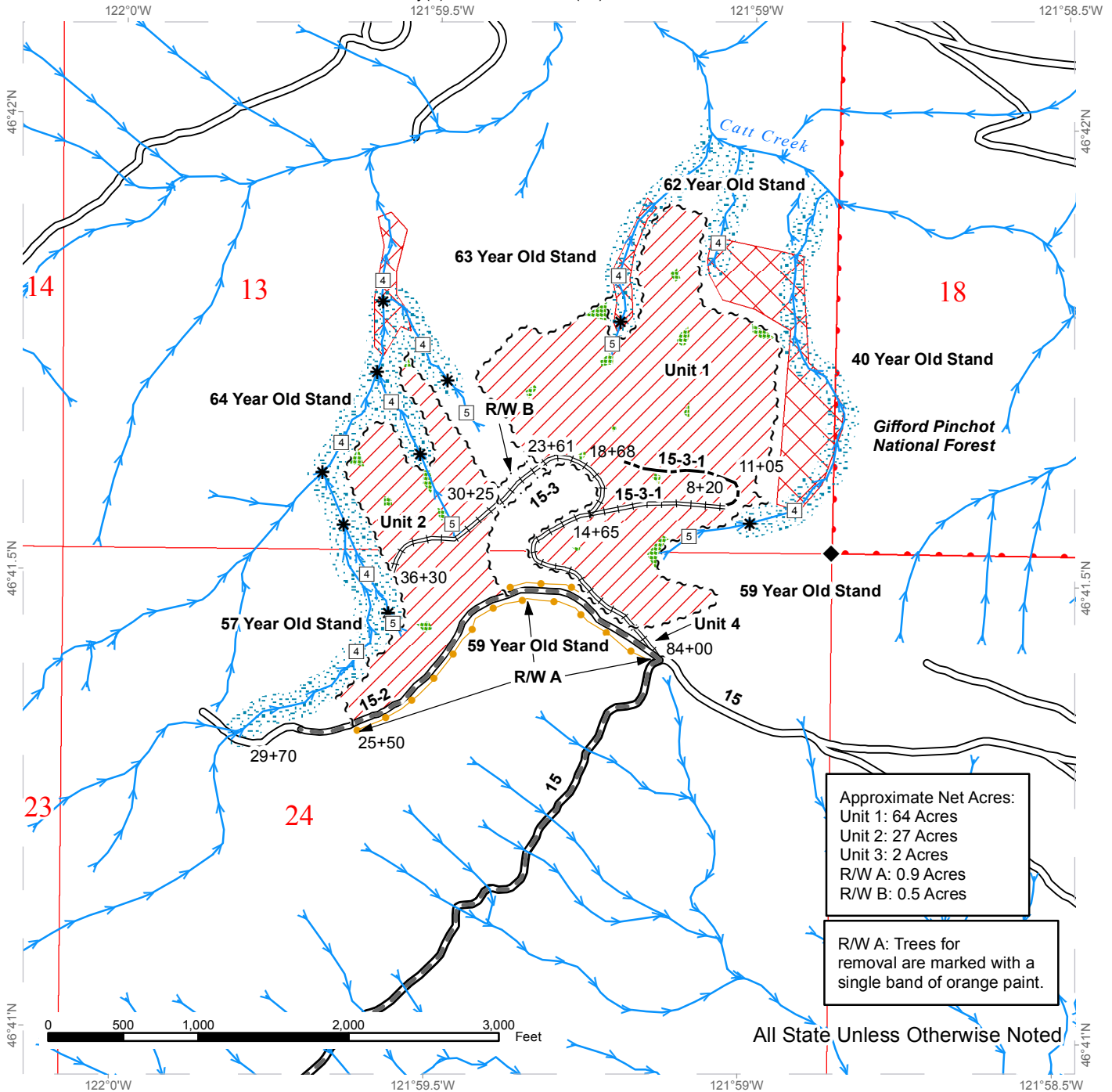
Purchaser shall cut all vine maple and sever from the stump within the harvest area.

See map for gate locations. Gate keys may be obtained by contacting the South Puget Sound Region Office at 360-825-1631 or by contacting Mike Fowler at 360-819-3406.

# TIMBER SALE MAP

**SALE NAME:** CATT BACK  
**AGREEMENT #:** 30-094074  
**TOWNSHIP(S):** T14R06E  
**TRUST(S):** Common School and Indemnity(3), Scientific School(10)

**REGION:** South Puget Sound Region  
**COUNTY(S):** LEWIS  
**ELEVATION RGE:** 2,241 - 4,098



**Approximate Net Acres:**  
 Unit 1: 64 Acres  
 Unit 2: 27 Acres  
 Unit 3: 2 Acres  
 R/W A: 0.9 Acres  
 R/W B: 0.5 Acres

R/W A: Trees for removal are marked with a single band of orange paint.

All State Unless Otherwise Noted

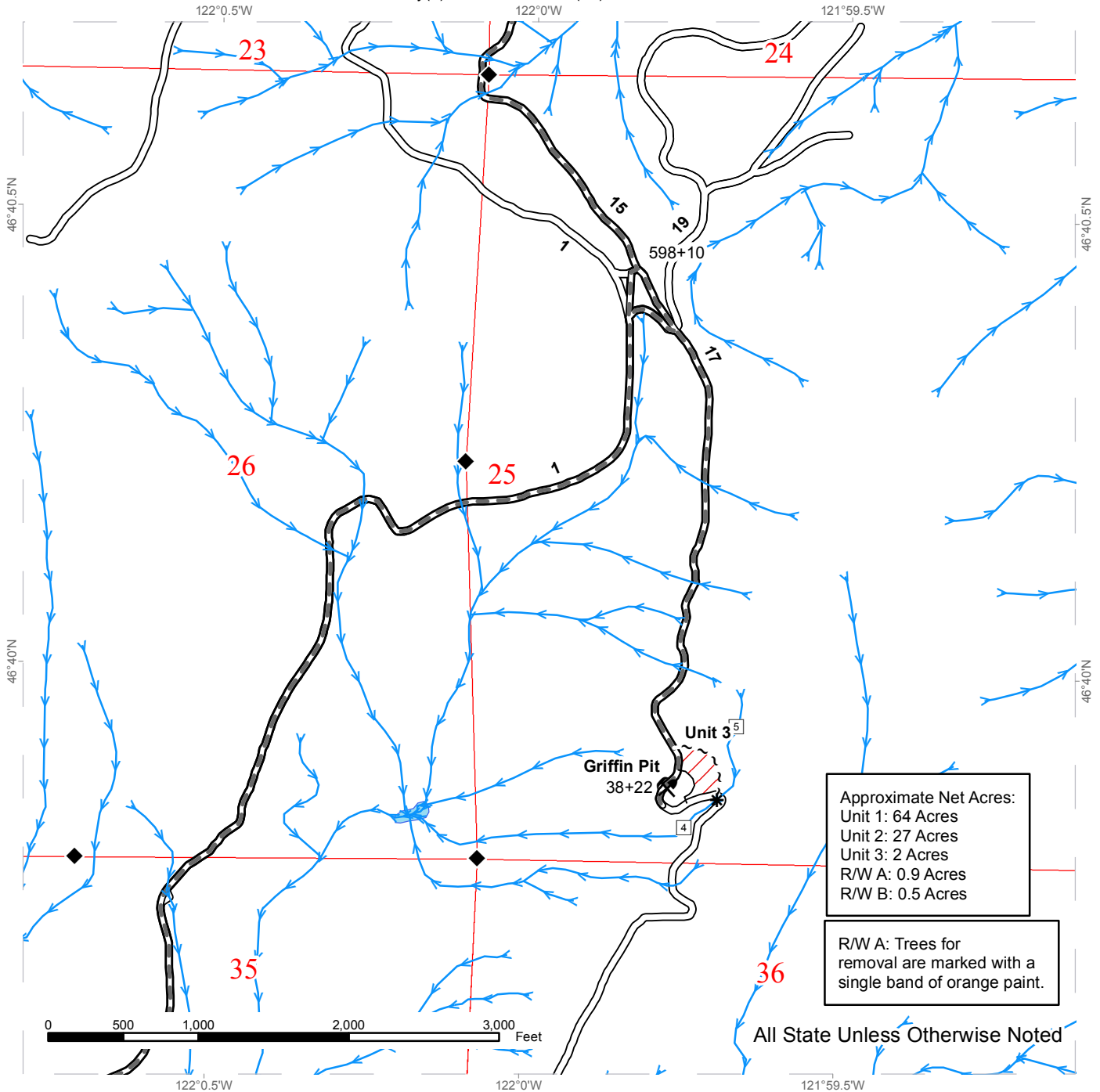
~ ~ ~ Sale Boundary Tags	Riparian Mgt Zone	* Stream Type Break
~ ~ ~ Right of Way Tags	Existing Roads	Streams
Daylighting	Required Pre-Haul Maintenance	Monumented Corners
Variable Retention Harvest	Required Reconstruction	Public Land Survey Sections
Tagged Leave Tree Area	Optional Construction	DNR Managed Lands
Tailhold Restriction Area	Stream Type	



# TIMBER SALE MAP

**SALE NAME:** CATT BACK  
**AGREEMENT #:** 30-094074  
**TOWNSHIP(S):** T14R06E  
**TRUST(S):** Common School and Indemnity(3), Scientific School(10)

**REGION:** South Puget Sound Region  
**COUNTY(S):** LEWIS  
**ELEVATION RGE:** 2,241 - 4,098



**Approximate Net Acres:**  
 Unit 1: 64 Acres  
 Unit 2: 27 Acres  
 Unit 3: 2 Acres  
 R/W A: 0.9 Acres  
 R/W B: 0.5 Acres

R/W A: Trees for removal are marked with a single band of orange paint.

All State Unless Otherwise Noted

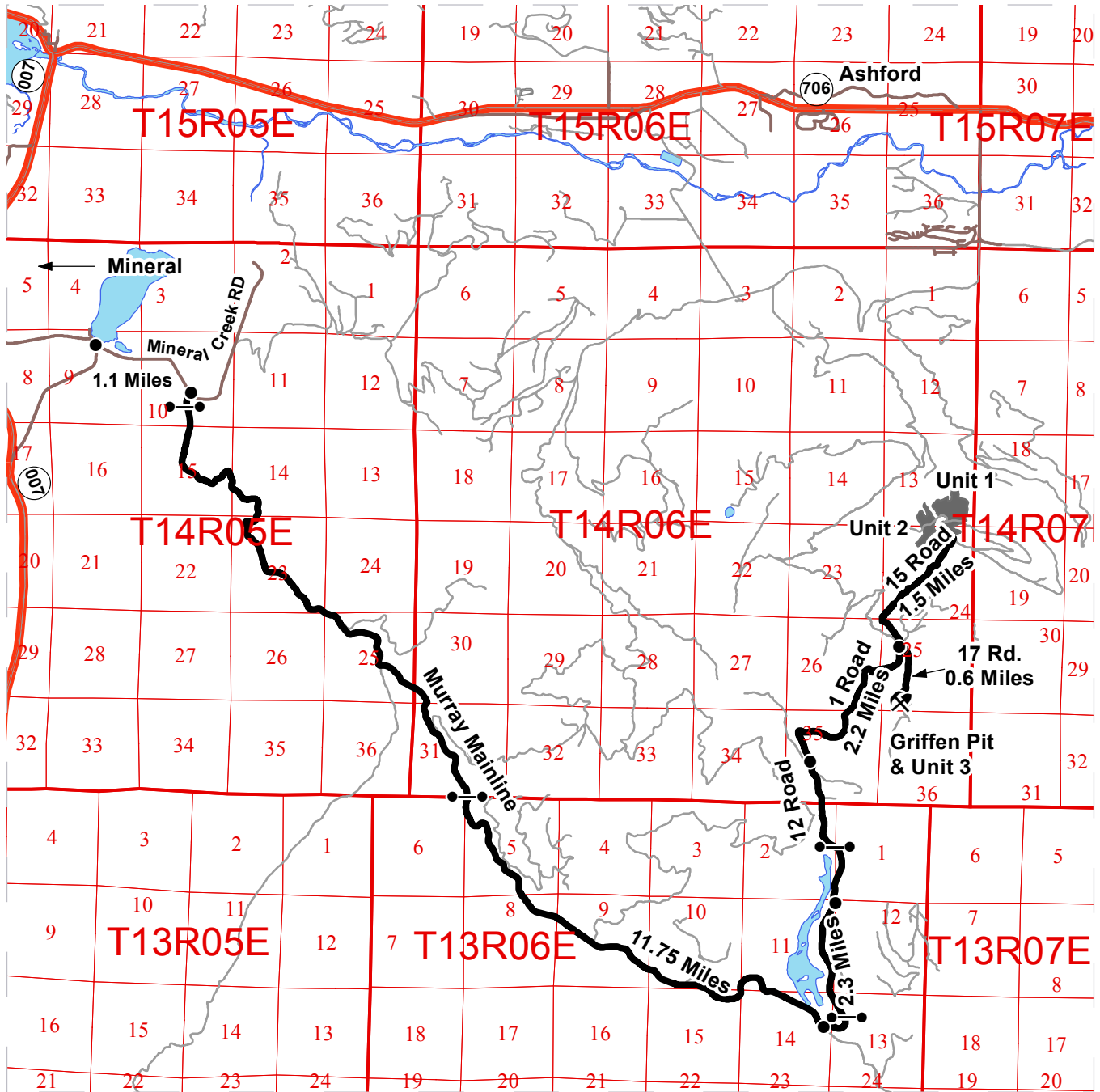
~ ~ ~	Sale Boundary Tags	*	Stream Type Break
—	Timber Type Change	→	Streams
////	Variable Retention Harvest	◆	Monumented Corners
—	Existing Roads	⚒	Existing Rock Pit
—	Required Pre-Haul Maintenance	□	Public Land Survey Sections
□	Stream Type	□	DNR Managed Lands



# DRIVING MAP

**SALE NAME:** CATT BACK  
**AGREEMENT#:** 30-094074  
**TOWNSHIP(S):** T14R07E, T14R06E  
**TRUST(S):** Common School and Indemnity(3), Scientific School(10)

**REGION:** South Puget Sound Region  
**COUNTY(S):** LEWIS  
**ELEVATION RGE:** 2,241 - 4,098 ft.



	Timber Sale Unit
	Highways
	Haul Route
	Other Route
	Distance Indicator
	Gate - CJ-18 key
	Existing Rock Pit

**DRIVING DIRECTIONS:**

This proposal is 18.7 miles east of the town of Mineral. From Mineral, drive east on East Mineral Creek Road for 1.1 miles. Turn right onto the Murray Mainline / 1 Rd. and follow for 11.75 miles. Turn left onto the 12 Road, follow for 2.3 miles, and turn right onto the 1 Road at the 1 Road / 2 Road junction. Continue down the 1 Road for 2.2 miles to come to the 1 Road / 15 Road / 17 Rd. junction. Continue straight down the 15 Road for 1.5 miles. Turn left onto the 15-2 Road for 0.5 miles and arrive at Unit 2.

**Griffin Pit/Unit 3:**  
 From the 1 Road/ 15 Road/ 17 Road junction turn right onto the 17 Road for 0.6 miles and arrive at Griffin Pit

All mileages are approximate.









**TIMBER NOTICE OF SALE**

**SALE NAME: MOJO**

**AGREEMENT NO: 30-95618**

**AUCTION:** February 20, 2018 starting at 10:00 a.m.,  
Northeast Region Office, Colville, WA

**COUNTY:** Okanogan

**SALE LOCATION:** Sale located approximately 13 miles southwest of Okanogan, WA

**PRODUCTS SOLD  
AND SALE AREA:**

All green Douglas-fir and western larch 7 inches and greater in diameter at breast height and all green ponderosa pine 8 inches and greater in diameter at breast height not banded by blue paint, except for leave trees bounded by yellow leave tree area tags in Units 1, 2, 3, 4, 6, 7 and 9 bounded by white timber sale boundary tags. All green Douglas-fir and western larch 7 inches and greater in diameter at breast height and all green ponderosa pine 8 inches and greater in diameter at breast height not banded by purple paint, except for leave trees bounded by yellow leave tree area tags in Units 5 and 8 bounded by white timber sale boundary tags on part(s) of Sections 9, 10, 11, 15, 16 and 21 all in Township 33 North, Range 24 East, W.M., containing 568 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

Species	Avg Ring DBH	Total MBF	MBF by Grade									
			P	SM	1S	2S	3S	4S	5S	6S	UT	
Douglas fir	13.5	4,136				879	2,401		834			22
Ponderosa pine	13.8	1,712							198	1,514		
Larch	12	208				17	136	54				1
Sale Total		6,056										

**MINIMUM BID:** \$615,000.00

**BID METHOD:** Sealed Bids

**PERFORMANCE**

**SECURITY:** \$100,000.00

**SALE TYPE:** Lump Sum

**EXPIRATION DATE:** November 30, 2019

**ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$61,500.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Rubber tired skidder, Track skidder and Dozer. Falling and Yarding will not be permitted from March 1 to April 30 unless authorized in writing by the Contract Administrator due to spring breakup.

**ROADS:** 24.92 stations of required construction. 6.91 stations of optional construction. 425.44 stations of required prehaul maintenance. 49.03 stations of optional prehaul maintenance, 24.17 stations of required abandonment which 17.87 stations are required to occur at the start of operations. Road construction will not be permitted from November 15 to May 31 unless authorized in writing by the Contract Administrator due to frozen conditions and spring breakup. The hauling of forest products will not be permitted from March 1 to April 30 unless authorized in writing by the Contract Administrator due to spring breakup.



## TIMBER NOTICE OF SALE

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### ACREAGE DETERMINATION

**CRUISE METHOD:** Acreage determined using GPS methods. Acreage shown above is net harvest acres in harvest units. Ponderosa pine: 8.0 - 17.5 inches dbh has a minimum top of 5.6 inch dib. All other species: 7.0 - 17.5 inches dbh has minimum top of 4.6 inch dib. All species 17.6 inches and greater dbh have a minimum top dib of 40% of dob at 16 feet or a 6 inch top whichever is greater. Utility wood: comprised of non-board foot volume and volume below the minimum top diameter of 5.0 inches or 40% of dob at 16 feet to a minimum of a 2.6 inch top.

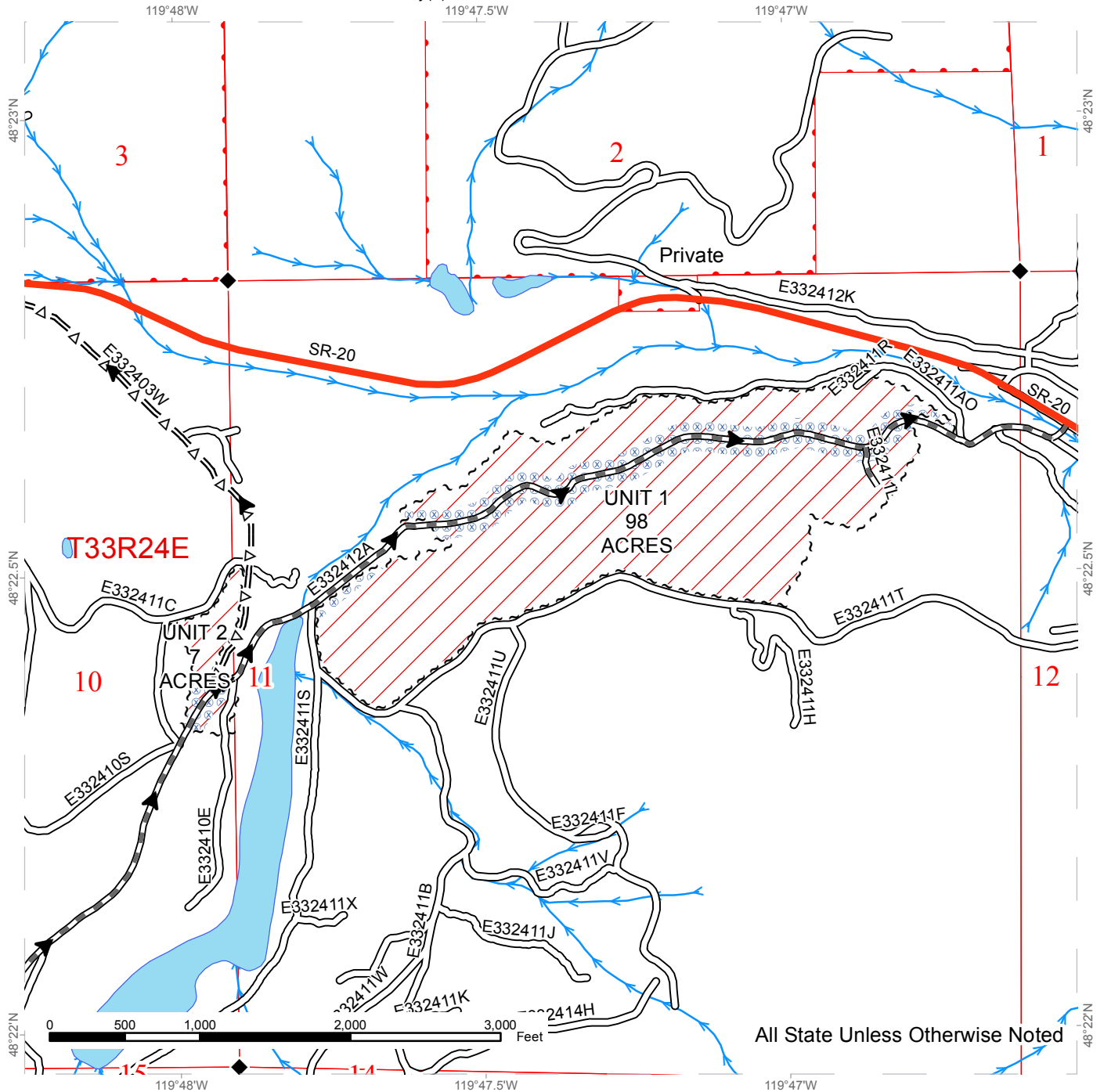
**FEES:** \$107,494.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** None

# TIMBER SALE MAP

**SALE NAME:** MOJO  
**AGREEMENT #:** 30-095618  
**TOWNSHIP(S):** T33R24E  
**TRUST(S):** Common School and Indemnity(3)

**REGION:** Northeast Region  
**COUNTY(S):** OKANOGAN  
**ELEVATION RGE:** 2662-3795

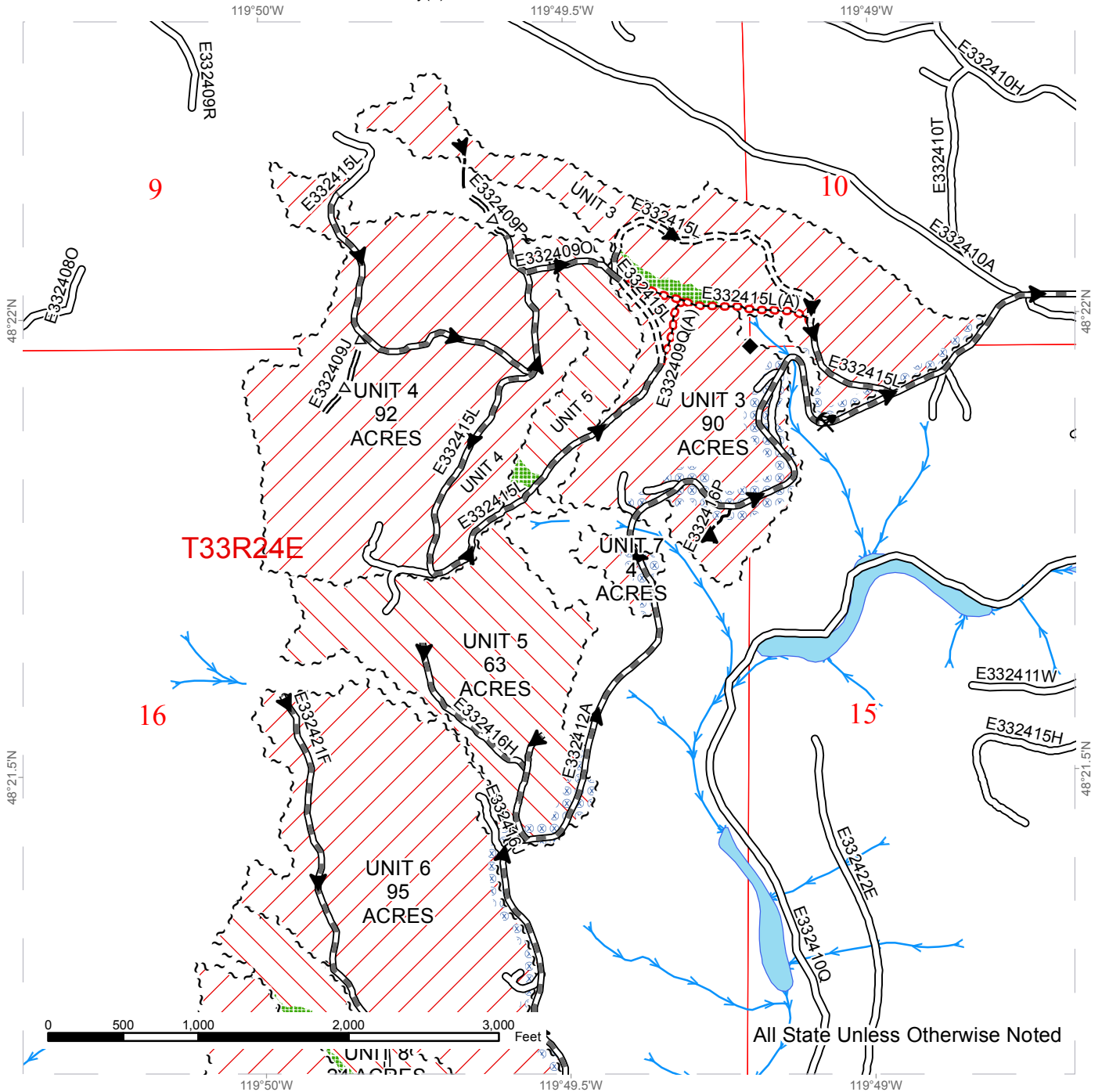


~ ~ ~	Sale Boundary Tags	—	Existing Road	→	Streams
///	Variable Retention Harvest	=Δ=	Optional Pre-Haul Maintenance	◆	Survey Monument
- - -	Uneven Aged Harvest	—	Required Pre-Haul Maintenance	▶	Haul Route
⊘ ⊘ ⊘	Extreme Hazard Abatement				

# TIMBER SALE MAP

**SALE NAME:** MOJO  
**AGREEMENT #:** 30-095618  
**TOWNSHIP(S):** T33R24E  
**TRUST(S):** Common School and Indemnity(3)

**REGION:** Northeast Region  
**COUNTY(S):** OKANOGAN  
**ELEVATION RGE:** 2662-3795

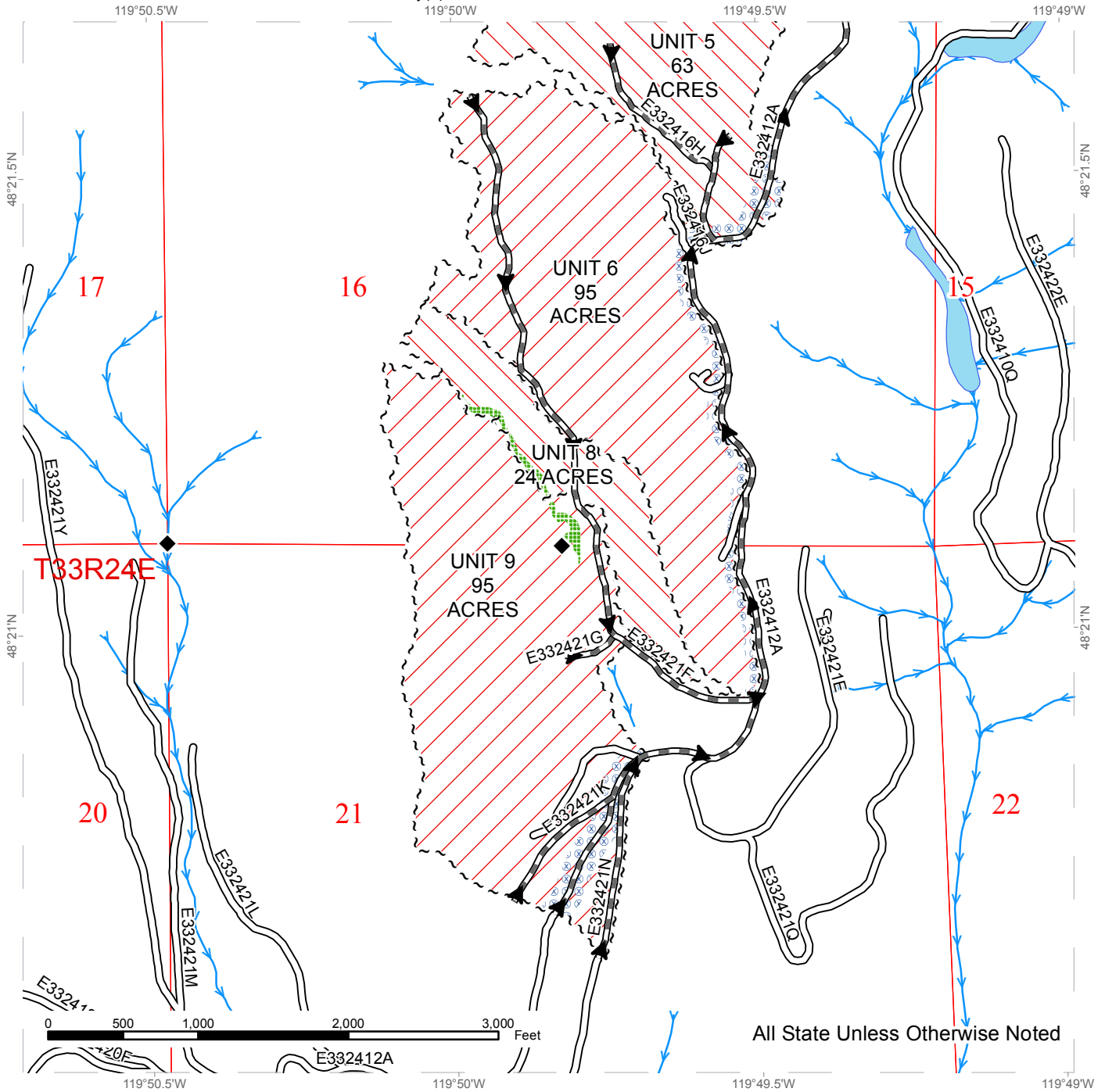


--- Sale Boundary Tags	⊕⊕⊕ Required Abandonment	→ Streams
/// Variable Retention Harvest	==== New Construction	◆ Survey Monument
- - - Uneven Aged Harvest	— Existing Road	⚡ Rock Pit
⊙⊙⊙ Extreme Hazard Abatement	- - - Optional Construction	
■ Leave Tree Areas	=Δ= Optional Pre-Haul Maintenance	
	▬ Required Pre-Haul Maintenance	
	▶ Haul Route	

# TIMBER SALE MAP

**SALE NAME:** MOJO  
**AGREEMENT #:** 30-095618  
**TOWNSHIP(S):** T33R24E  
**TRUST(S):** Common School and Indemnity(3)

**REGION:** Northeast Region  
**COUNTY(S):** OKANOGAN  
**ELEVATION RGE:** 2662-3795

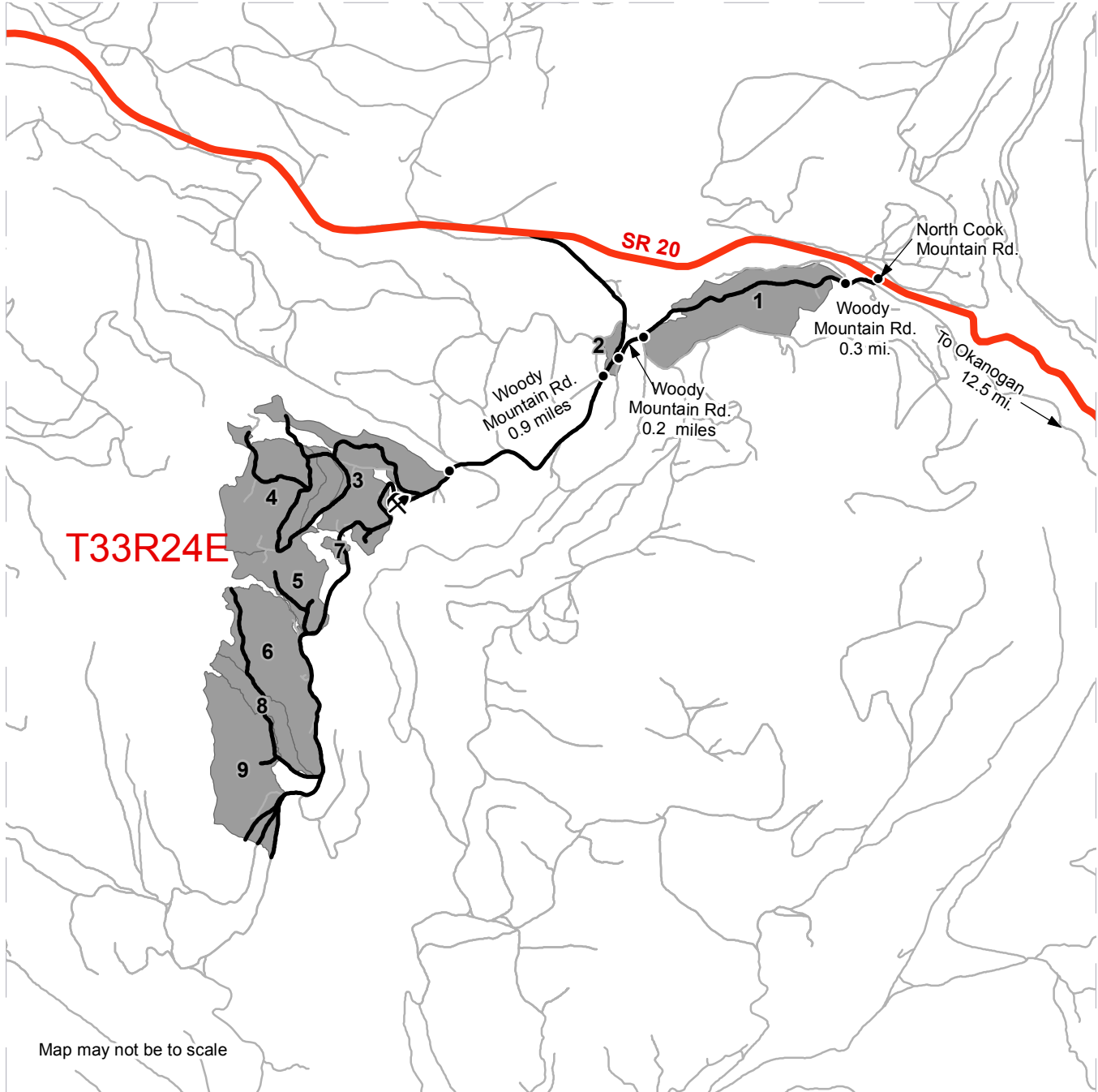


--- Sale Boundary Tags	— Existing Road	→ Streams
Variable Retention Harvest	▬ Required Pre-Haul Maintenance	◆ Survey Monument
Uneven Aged Harvest	▶ Haul Route	
Extreme Hazard Abatement		
Leave Tree Areas		







# DRIVING MAP

**SALE NAME:** MOJO  
**AGREEMENT#:** 30-095618  
**TOWNSHIP(S):** T33R24E  
**TRUST(S):** Common School and Indemnity(3)

**REGION:** Northeast Region  
**COUNTY(S):** OKANOGAN  
**ELEVATION RGE:** 2662-3795



Map may not be to scale

	Timber Sale Unit
	Highway
	Haul Route
	Other Road
	Distance Indicator
	Rock Pit

**DRIVING DIRECTIONS:**

From the south end of the city of Okanogan, drive northwesterly on SR 20 approximately 12.5 miles to North Cook Mountain Road. Turn left onto North Cook Mountain Road, then take an immediate right turn onto Woody Mountain Road after crossing the first cattle guard. Travel 0.3 miles on Woody Mountain Road to Unit 1. Continue on the Woody Mountain Road to the end of Unit 1 and go 0.2 miles to access Unit 2 and then travel 0.9 miles to access all remaining units.





**TIMBER NOTICE OF SALE**

**SALE NAME:** GRASSHOPPER Sorts

**AGREEMENT NO:** 30-94850 - 30-96855

**AUCTION:** February 21, 2018 starting at 10:00 a.m.  
Northwest Region Office, Sedro Woolley, WA

**COUNTY:** Skagit

**SALE LOCATION:** Sale located approximately 10 miles northwest of Burlington, WA.

**PRODUCTS SOLD**

**AND SALE AREA:** All delivered forest products, except trees marked with blue paint on the bole and root collar and forest products tagged out by yellow leave tree area tags, from an area bounded by white timber sale boundary tags and orange right-of-way tags meeting the specifications described below; on parts of Sections 9, 10, and 15 all in Township 36 North, Range 3 East W.M., containing 75 acres, more or less.

**MINIMUM BID AND ESTIMATED LOG VOLUMES:**

Agreement #	Sort #	Species and Sort Specifications	Average Log Length	Estimated Volume		Tons Per MBF	Minimum Bid Delivered Prices		Total Appraised Value	Bid Deposit
				Mbf	Tons		\$/mbf	\$/Ton		
94850	01	DF Sawlog 20"+ SED	32	449	2200	4.9	\$650.00		\$291,850.00	\$29,185.00
94851	02	DF Sawlog 12"-19" SED	28	1428	8282	5.8	\$650.00		\$928,200.00	\$92,820.00
94852	03	DF Sawlog 5"-11" SED	26	505	3636	7.2	\$675.00		\$340,875.00	\$34,087.50
94853	04	WW Sawlog 12"+ SED	32	237	1540	6.5	\$575.00		\$136,275.00	\$13,627.50
94854	05	WW Sawlog 5"-11" SED	26	265	1934	7.3	\$550.00		\$145,750.00	\$14,575.00
96855	06	RC Sawlog 5"+ SED	28	101	586	5.8	\$1,400.00		\$141,400.00	\$140.00
94856	07	RA Sawlog 12" + SED	24	51	306	6	\$800.00		\$40,800.00	\$4,080.00
94857	08	RA Sawlog 5"-11" SED		69	490	7.1	\$725.00		\$50,025.00	\$5,002.50
94858	09	Conifer Utility		47	423	9		\$28.00	\$11,844.00	\$1,184.40
94859	10	Hardwood Utility		32	288	9		\$30.00	\$8,640.00	\$864.00

**Totals:** **3184 19685 \$1,955,659.00**

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**BID METHOD:** Sealed Bids **UNIT OF MEASURE:** MBF Scale/Tonnage Scale

**EXPIRATION DATE:** December 6, 2018 **ALLOCATION:** Export Restricted

**PAYMENT SECURITY:** To be determined by the State as described in Clause P-045.2 of the Purchaser's Contract.





## TIMBER NOTICE OF SALE

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### **BIDDING**

#### **PROCEDURES:**

A separate sealed bid and envelope must be submitted for each log sort. Prospective Purchasers may bid on any or all log sorts. On the day of sale the Purchaser must bring their bid deposit up to 10% of their total bid price. Complete bidding procedures and auction information may be obtained from the Northwest Region Office in Sedro Woolley WA. Phone number (360)856-3500.

### **TIMBER EXCISE**

#### **TAX:**

Purchaser must pay the forest excise taxes associated with the log sorts delivered to them. The tax rate for this sale is 4.2 %. Taxable Stumpage = Total Delivered Value – (Harvest Cost + Estimated Haul Cost + ARRF). For more information contact the Department of Revenue, Forest Tax Section at 1-800-548-8829.

Use the following rates for estimating taxable stumpage:

Harvest Cost = \$0.00 per MBF for sorts 01, 02, 03, 04, 05, 06, 07 and 08 and \$10.00 per Ton for sorts 09 and 10.

Hauling Services Payment Rate per Ton  
= (Base Rate + Mileage Rate) x (Contractor's hauling bid factor)

Base Rate = \$2.35 per ton

Mileage Rate = ((\$0.16 x C miles) + (\$0.11 x A miles)) x Fuel Index Factor

ARRF = \$0.00 per MBF for sorts 09 and 10 and \$26.75 per MBF for sorts 01, 02, 03, 04, 05, 06, 07 and 08.

Note: To calculate ARRF rates per ton use the tons\mbf conversion factor in the table above.

#### **CONFIRMATION:**

Each sort is subject to confirmation following auction. Sorts will not be confirmed until at least 10 days after auction. Final contract award is contingent upon the State's haul cost analysis. Actual haul route may vary and is subject to change at the State's discretion.

#### **SPECIAL REMARKS:**

The successful Purchaser(s) will be required to purchase logs from the sale area upon delivery to their location specified in the bid submitted. Logs will be delivered to the Purchaser's delivery location by the State's contract harvester. Purchaser is responsible for weighing and scaling costs. All tonnage loads will be weighed and all mbf loads will be scaled at State approved locations. The State reserves the right to determine where logs are authorized to be scaled and weighed.

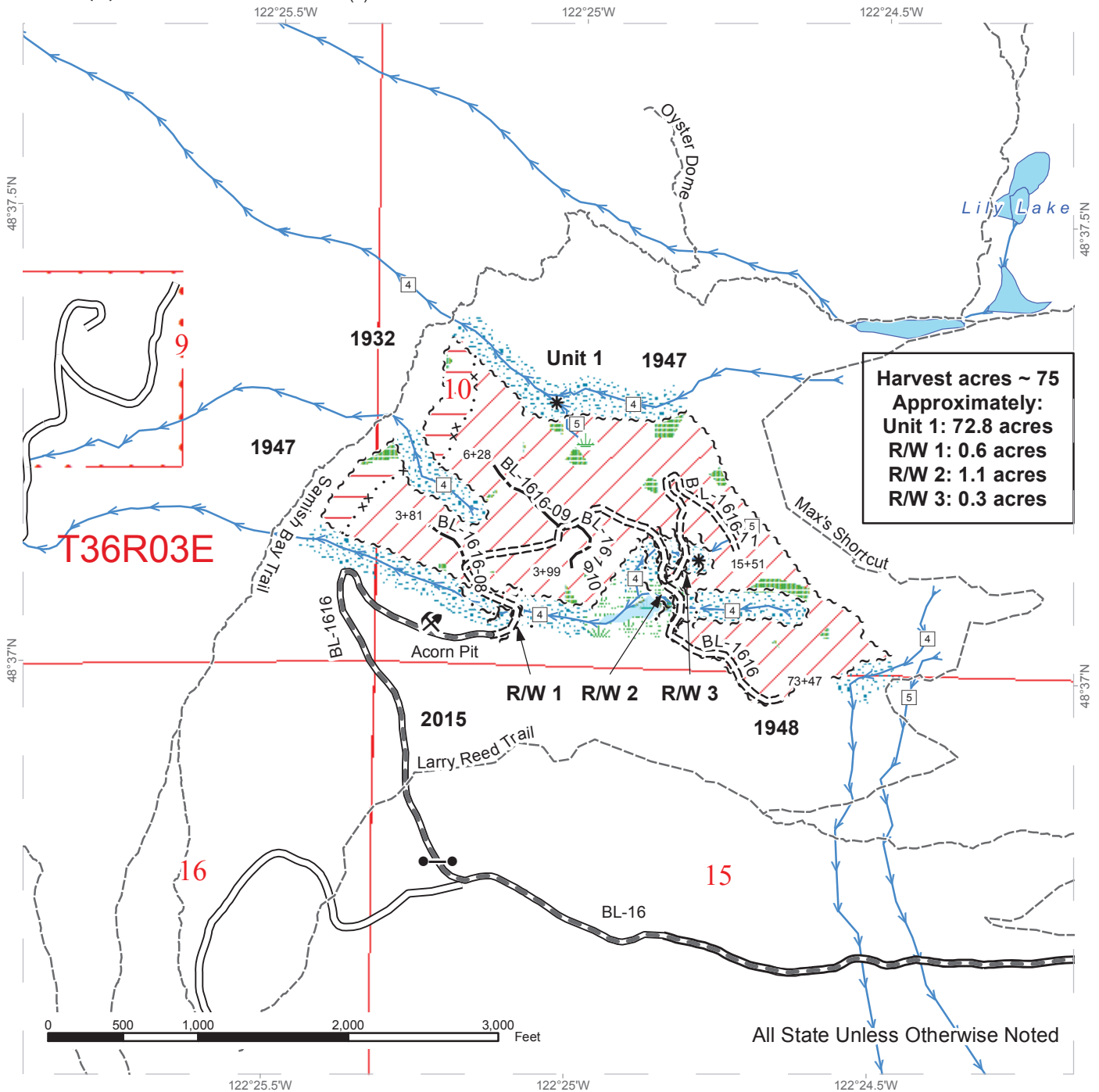
\*Note: Harvesting services bid opening is tentatively scheduled for 01/24/2018, which will establish the Contractor's harvest rate and the Contractor's hauling bid factor. Fuel Index Factor is indexed quarterly by the State. Log deliveries are anticipated to be from June 2018 through October 11, 2018.

For more information regarding this log sort sale visit our web site:  
<http://www.dnr.wa.gov/programs-and-services/product-sales-and-leasing/timber->

# TIMBER SALE MAP

**SALE NAME:** GRASSHOPPER SORTS  
**AGREEMENT #:** 94336  
**TOWNSHIP(S):** T36R03E  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Northwest Region  
**COUNTY(S):** SKAGIT  
**ELEVATION RGE:** 1000-1850



**Harvest acres ~ 75**  
**Approximately:**  
**Unit 1: 72.8 acres**  
**R/W 1: 0.6 acres**  
**R/W 2: 1.1 acres**  
**R/W 3: 0.3 acres**

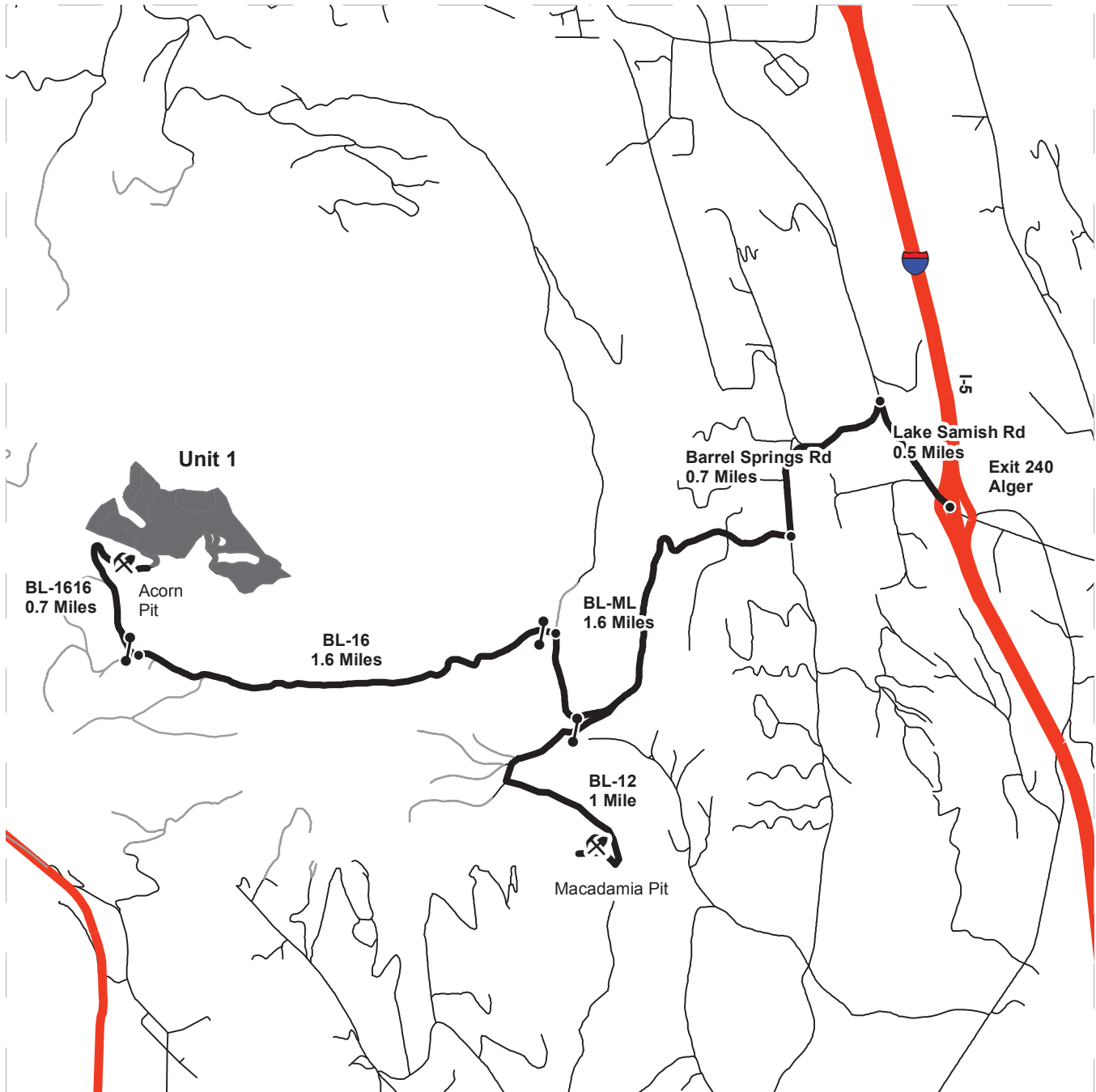
	Variable Retention Harvest		Sale Boundary Tags		Streams
	Trail Restriction Area (VRH)		Special Mgmt Area		Stream Type
	Leave Tree Area		Right of Way Tags		Stream Type Break
	Riparian Mgt Zone		Required Pre-Haul Maintenance		Wetland
	Forested Wetland		Required Construction		Gate
	Wetland Mgt Zone		Existing Roads		Existing Rock Pit
	Blanchard Trails		Optional Construction		



# DRIVING MAP

**SALE NAME:** GRASSHOPPER SORTS  
**AGREEMENT#:** 94336  
**TOWNSHIP(S):** T36R03E  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Northwest Region  
**COUNTY(S):** SKAGIT  
**ELEVATION RGE:** 1000-1850



- Timber Sale Unit
- Highways
- Haul Route
- Other Route
- Distance Indicator
- Gate
- Existing Rock Pit

**DRIVING DIRECTIONS:**

**Unit 1:**  
 From I-5, drive North on Lake Samish Rd for 0.5 miles. Turn left onto Barrel Springs Rd and travel 0.7 miles. Turn right onto the BL-ML and travel 1.6 miles. Turn Left onto the BL-16 and travel 1.6 miles. Turn right onto the BL -1616 and travel 0.7 miles to the beginning of road construction into Unit 1

**Macadamia Pit:**  
 From Barrel Springs Rd, turn right onto the BL-ML and travel for 1.2 miles. Turn left onto the BL-12 and travel for 1 mile to reach the Macadamia pit.




 WASHINGTON STATE DEPARTMENT OF  
**NATURAL RESOURCES**
**TIMBER NOTICE OF SALE**
**SALE NAME:** KING BEAR CAT VRH RMZ Sorts

**AGREEMENT NO:** 30-96558 - 30-96569

**AUCTION:** February 21, 2018 starting at 10:00 a.m.  
 Northwest Region Office, Sedro Woolley, WA

**COUNTY:** Skagit

**SALE LOCATION:** Sale located approximately 18 to 28 miles southeast of Sedro-Woolley, WA.

**PRODUCTS SOLD  
 AND SALE AREA:**

All delivered forest products, except trees marked with blue paint on the bole and root collar and forest products tagged out by yellow leave tree area tags, from an area bounded by white timber sale boundary tags, adjacent young stand, adjacent cleared right of way, flag line, Lake Cavanaugh Road, the BR-ML, BR-17, BR1716, BR-3809, BR-3809-16 and BR-3809-23 roads and orange right-of-way tags meeting the specifications described below meeting the specifications described below; on parts of Section 18 in Township 33 North, Range 6 East, Sections 11, 12, 13, 14, 23, and 24 all in Township 33 North, Range 5 East, Section 34 in Township 34 North, Range 5 East W.M., containing 220 acres, more or less.

**MINIMUM BID AND ESTIMATED LOG VOLUMES:**

Agreement #	Sort #	Species and Sort Specifications	Average Log Length	Estimated Volume		Tons Per MBF	Minimum Bid Delivered Prices		Total Appraised Value	Bid Deposit
				Mbf	Tons		\$/mbf	\$/Ton		
96558	01	DF SL 5-11 DIB		967	0	0	\$0.00		\$0.00	\$0.00
96559	02	DF SL 12-19 DIB		1397	0	0	\$0.00		\$0.00	\$0.00
96560	03	DF SL 20 + DIB		468	0	0	\$0.00		\$0.00	\$0.00
96561	04	WW SL 5-11 DIB		1458	0	0	\$0.00		\$0.00	\$0.00
96562	05	WW SL 12-19 DIB		906	0	0	\$0.00		\$0.00	\$0.00
96563	06	WW SL 20 + DIB		110	0	0	\$0.00		\$0.00	\$0.00
96564	07	RC SL 5+ DIB		1014	0	0	\$0.00		\$0.00	\$0.00
96565	08	RC PO LES		65	0	0	\$0.00		\$0.00	\$0.00
96566	09	RA SL 5+ DIB		142	0	0	\$0.00		\$0.00	\$0.00
96567	10	CW SL 12+ DIB		23	0	0	\$0.00		\$0.00	\$0.00
96568	11	Hardwood UT		62	558	9	\$0.00		\$0.00	\$0.00
96569	12	Conifer UT		112	1008	9	\$0.00		\$0.00	\$0.00

**Totals:**
**6724 1566**
**\$0.00**





WASHINGTON STATE DEPARTMENT OF  
**NATURAL RESOURCES**

## TIMBER NOTICE OF SALE

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be scaled at State approved locations. The State reserves the right to determine where logs are authorized to be scaled and weighed.

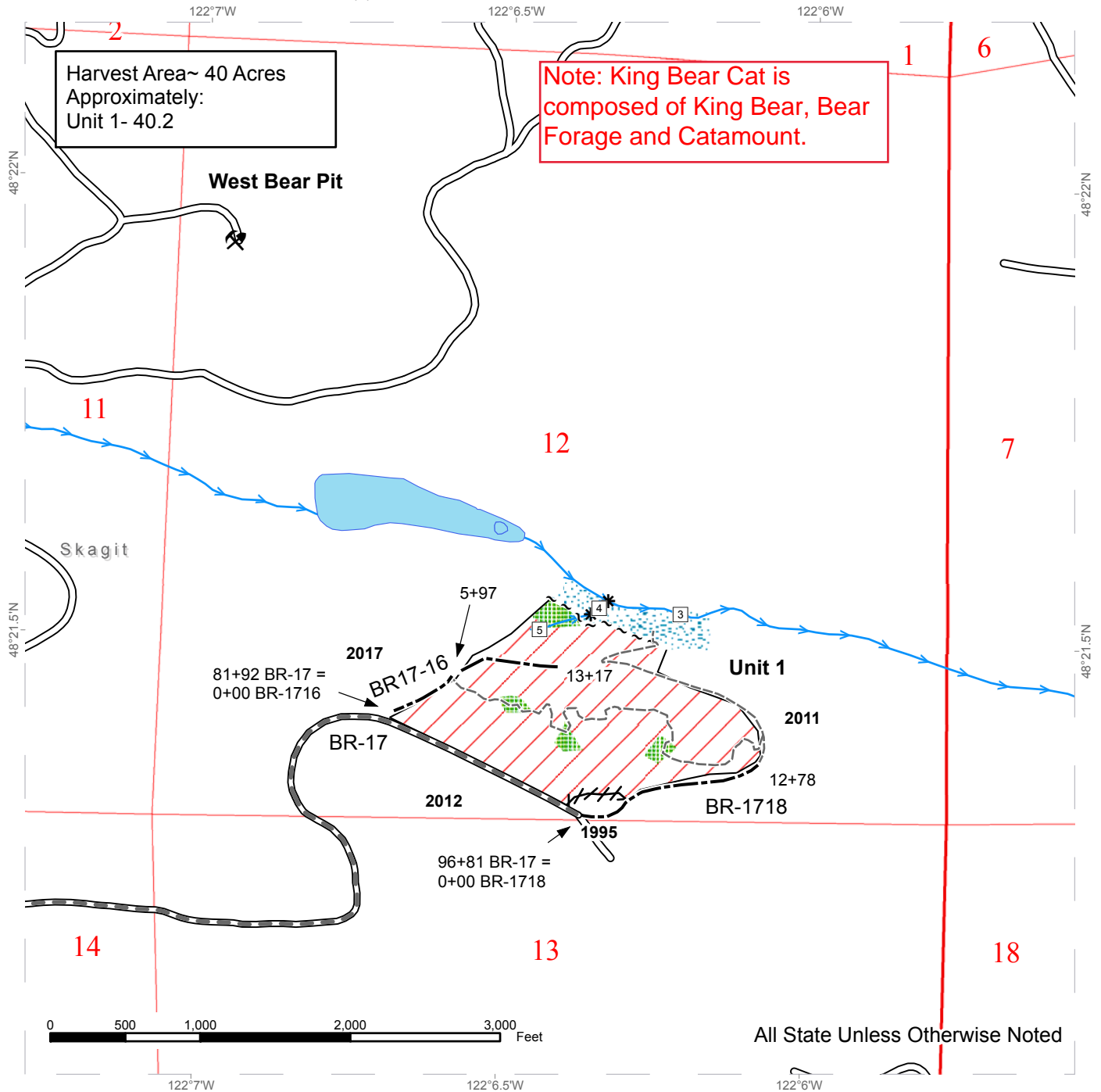
\*Note: Harvesting services bid opening is tentatively scheduled for 01/24/2018, which will establish the Contractor's harvest rate and the Contractor's hauling bid factor. Fuel Index Factor is indexed quarterly by the State. Log deliveries are anticipated to be from June 2018 through December 20, 2018.

For more information regarding this log sort sale visit our web site: <http://www.dnr.wa.gov/programs-and-services/product-sales-and-leasing/timber-sales/timber-auction-packets>. If you have questions call at the Northwest Region Office at or at the Product Sales and Leasing Division Office in Olympia at .

# TIMBER SALE MAP

**SALE NAME:** KING BEAR  
**AGREEMENT #:** 30-095955  
**TOWNSHIP(S):** T33R05E  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Northwest Region  
**COUNTY(S):** SKAGIT  
**ELEVATION RGE:** 1711-1863



Note: King Bear Cat is composed of King Bear, Bear Forage and Catamount.

Harvest Area~ 40 Acres  
Approximately:  
Unit 1- 40.2

All State Unless Otherwise Noted

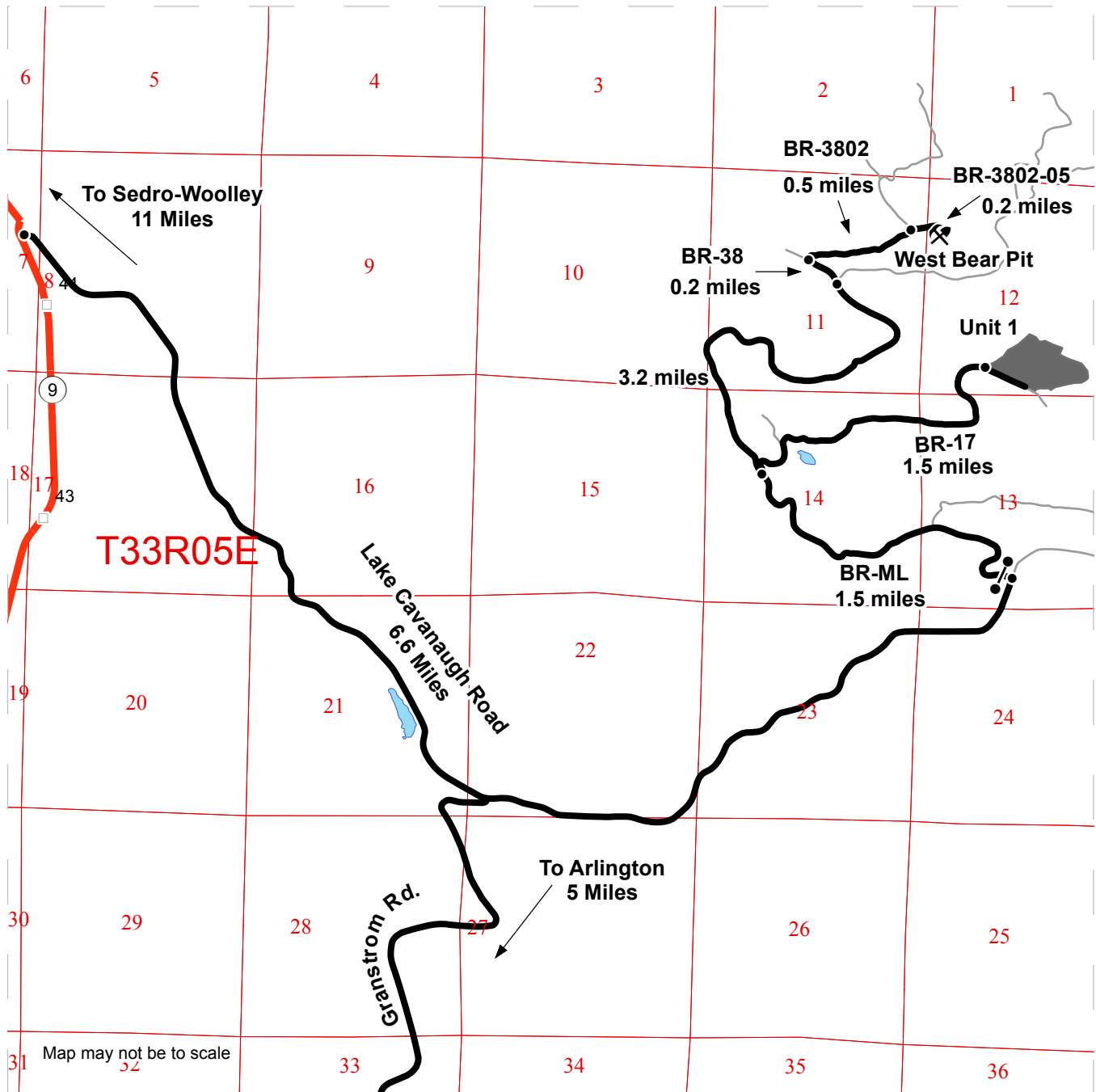
Sale Area	Existing Roads	Streams
Leave Tree Area	Required Pre-Haul Maintenance	Stream Type
Riparian Mgt Zone	Optional Construction	Stream Type Break
Sale Boundary Tags	Trails	Rock Pit
Flag Line		
Timber Type Change		







# DRIVING MAP

**SALE NAME:** KING BEAR  
**AGREEMENT#:** 30-095955  
**TOWNSHIP(S):** T33R05E  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Northwest Region  
**COUNTY(S):** SKAGIT  
**ELEVATION RGE:** 1711-1863



-  Timber Sale Unit
-  Haul Route
-  Other Road
-  Milepost Markers
-  Gate
-  Rock Pit

**DRIVING DIRECTIONS:**

From Sedro-Woolley, travel 11.0 miles south on HWY 9 to Lake Cavanaugh Road. Turn left (east) and travel 6.6 miles until reaching the Bear Creek Mainline (BR-ML) gate on the left (north). Pass through the gate and travel 1.5 miles until reaching BR-17. Turn right on BR-17. Travel 1.5 miles to reach Unit 1.

To access the rock-pit from the junction of the BR-ML and BR-17, travel approximately 3.2 miles on the BR-ML. Continue north along BR-38 for 0.2 mile. Head east on BR-3802 for 0.5 miles. Continue east on BR-3802-05 for 0.2 mile to reach the West Bear rock pit.

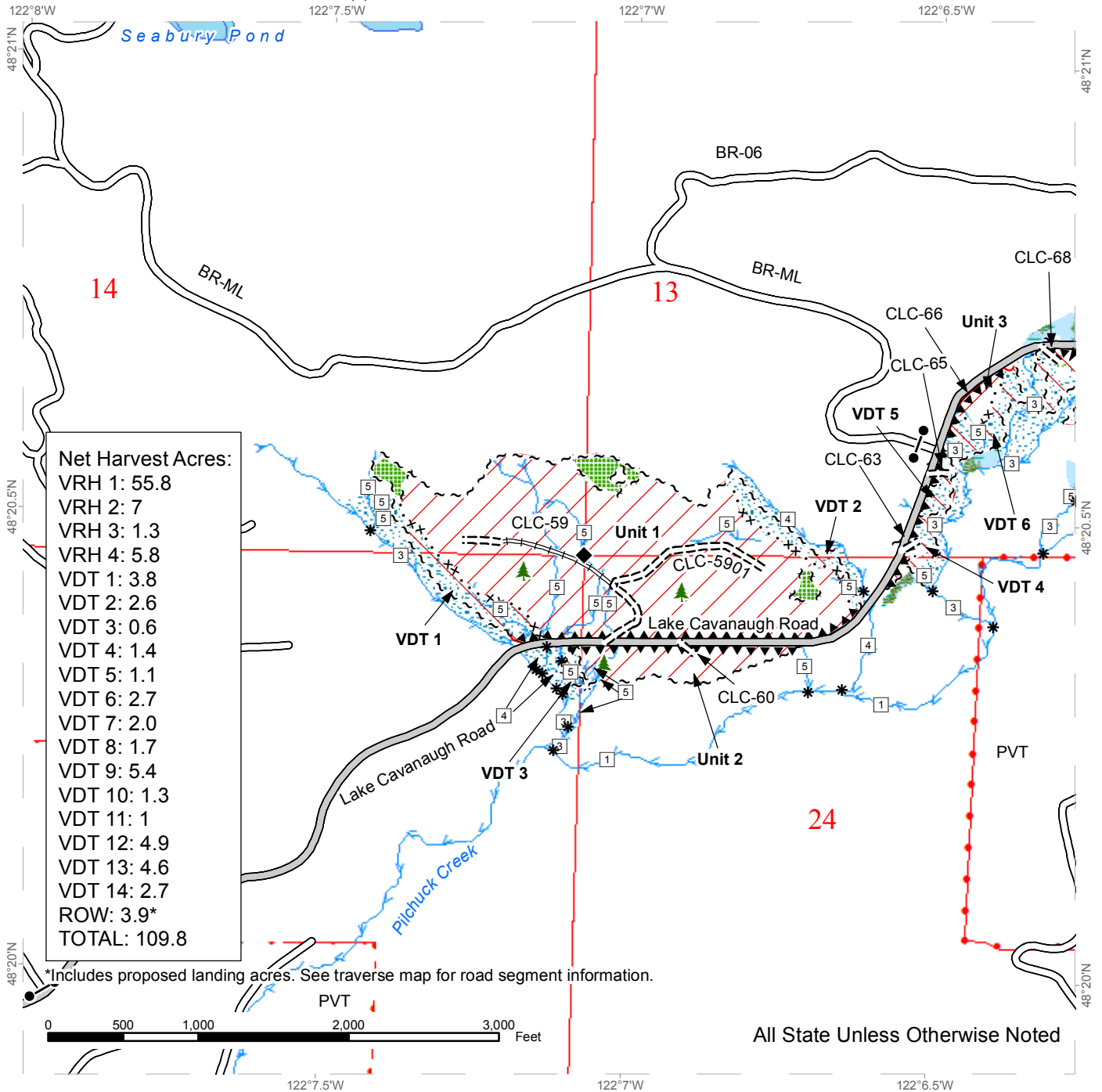




# TIMBER SALE MAP

**SALE NAME:** BEAR FORAGE  
**AGREEMENT #:** 30-095101  
**TOWNSHIP(S):** T33R05E, T33R06E  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Northwest Region  
**COUNTY(S):** SKAGIT  
**ELEVATION RGE:** 792-1112



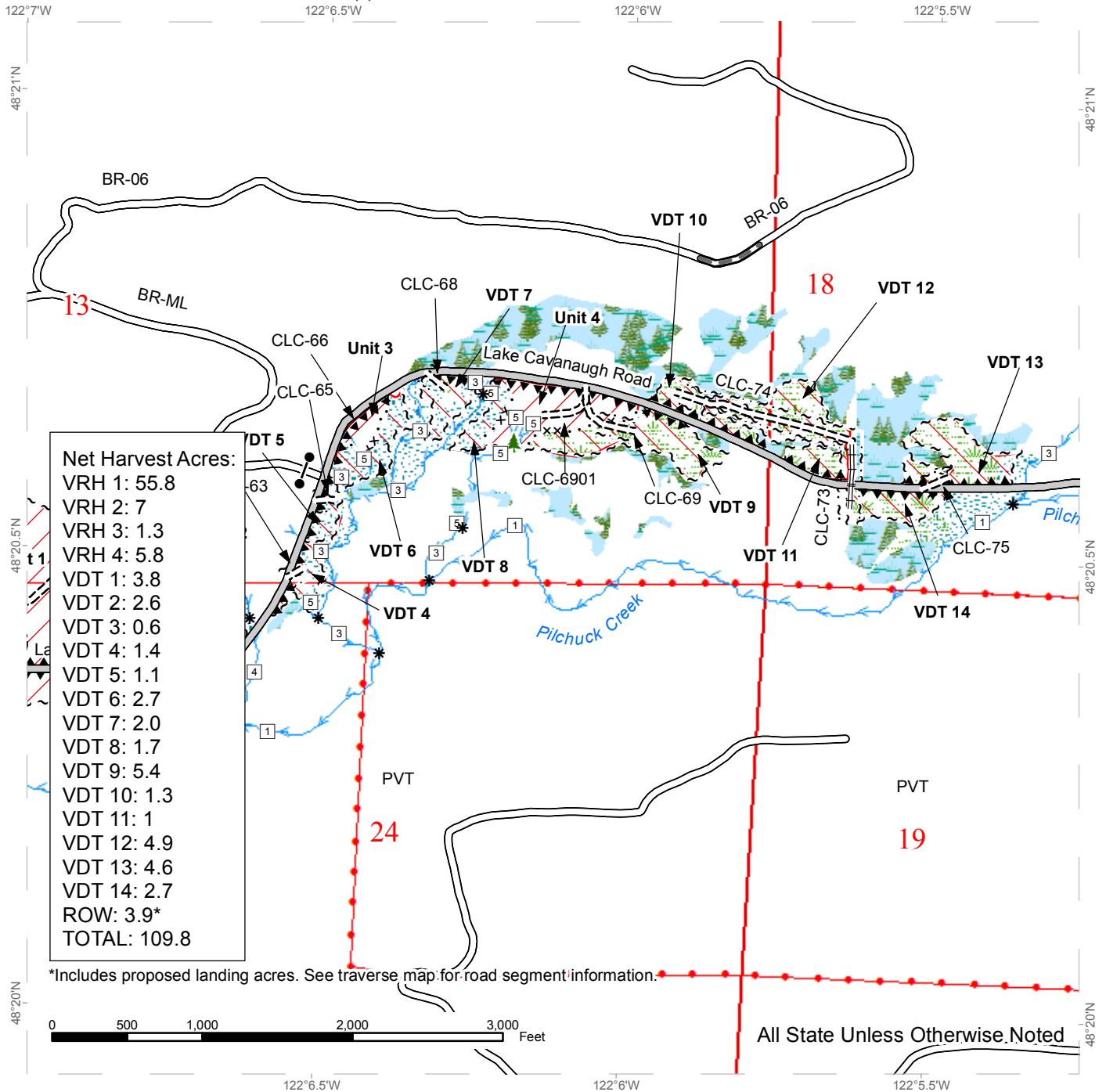
Variable Retention Harvest	Sale Boundary Tags	County Road	Stream Type
Variable Density Thinning	Special Mgmt Area	Existing Roads	Stream Type Break
Leave Tree Area	Leave Tree Tags	Required Construction	Gate
Riparian Mgt Zone	Right of Way Tags	Required Reconstruction	Leave Tree Area <0.25 Acre
Forested Wetland	Hazard Abatement Area	Streams	Survey Monument (Known)
Wetland Mgt Zone			DNR Managed Lands
Open Water			



# TIMBER SALE MAP

**SALE NAME:** BEAR FORAGE  
**AGREEMENT #:** 30-095101  
**TOWNSHIP(S):** T33R05E, T33R06E  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Northwest Region  
**COUNTY(S):** SKAGIT  
**ELEVATION RGE:** 792-1112



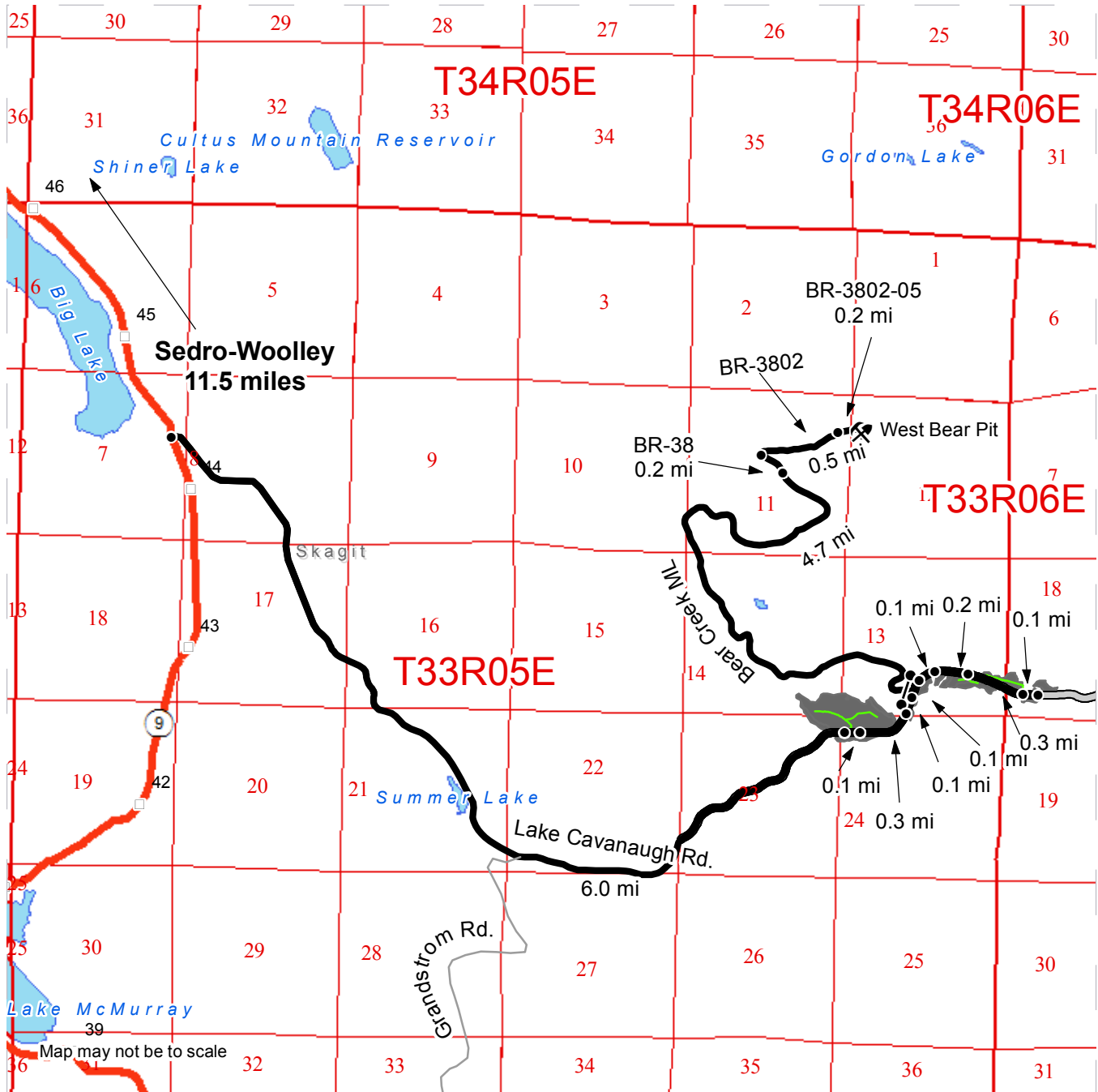
Variable Retention Harvest	Sale Boundary Tags	County Road	Stream Type
Variable Density Thinning	Special Mgmt Area	Existing Roads	Stream Type Break
Leave Tree Area	Leave Tree Tags	Required Pre-Haul Maintenance	Gate
Riparian Mgt Zone	Right of Way Tags	Required Construction	Leave Tree Area <0.25 Acre
Forested Wetland	Hazard Abatement Area	Required Reconstruction	DNR Managed Lands
Wetland Mgt Zone		Streams	
Open Water			



# DRIVING MAP

**SALE NAME:** BEAR FORAGE SORTS  
**AGREEMENT#:** 30-095101  
**TOWNSHIP(S):** T33R05E, T33R06E  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Northwest Region  
**COUNTY(S):** SKAGIT  
**ELEVATION RGE:** 792-1112



	Timber Sale Unit
	Open Water
	Haul Route
	Other Road
	Planned Roads
	County Road
	Highway
	Milepost Markers
	Distance Indicator
	Gate
	Existing Rock Pit

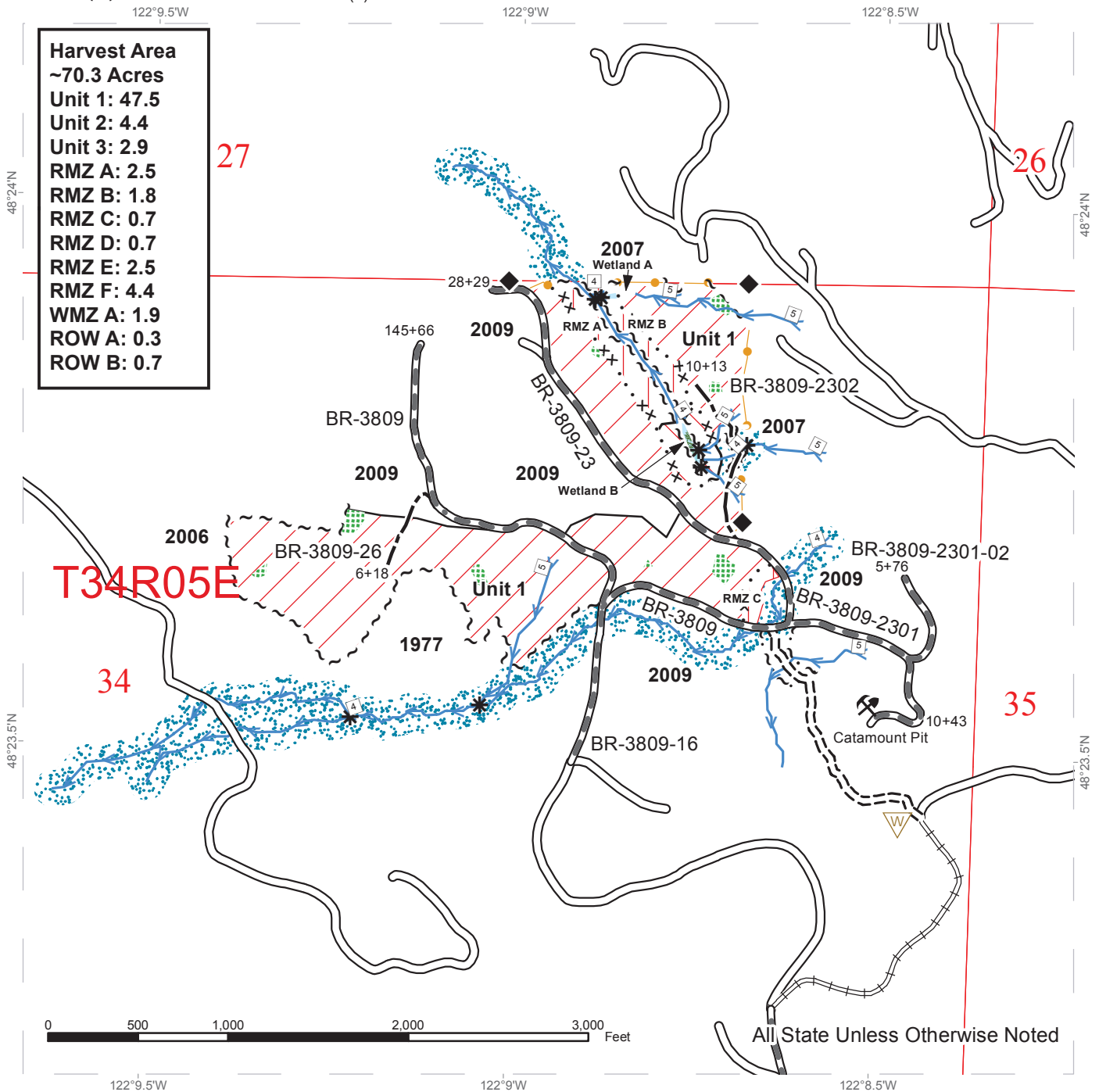
**DRIVING DIRECTIONS:** From Sedro-Woolley:  
 From the junction of Highway 20 and Highway 9 in Sedro-Woolley, travel 11.5 miles south on Highway 9 to Lake Cavanaugh road. Access to every unit is off of Lake Cavanaugh Road. Travel east on Lake Cavanaugh road for 6.0 miles until you reach CLC-59 to access Unit 1, VDT 1 and VDT 2. Continue 0.1 mile east on Lake Cavanaugh Road to access Unit 2 and VDT 3 via CLC-60. Continue for 0.3 mile to access VDT 4 via CLC-63. Continue 0.1 mile to access VDT 5 via CLC-65. Continue 0.1 mile to access Unit 3 and VDT 6 via CLC-66. Continue 0.1 mile to access VDT 7 via CLC-68. Continue east for 0.2 miles to access Unit 4, VDT 8 and VDT 9 via CLC-69. Continue for 0.3 mile to access VDT 10, 11 and 12 via CLC-74, and VDT 14 via CLC-73. Continue for 0.1 mile to reach CLC-75 for access to VDT 13. To access the rock-pit from the Bear Creek Mainline gate, travel approximately 4.7 miles on the Bear Creek Mainline. Continue north along BR-38 for 0.2 mile. Head east on BR-3802 for 0.5 miles. Continue east on BR-3802-05 for 0.2 mile to reach the West Bear rock pit. An F1-3 key is required to access the Bear Creek Mainline gate.



# TIMBER SALE MAP

**SALE NAME:** CATAMOUNT  
**AGREEMENT #:** 30-094823  
**TOWNSHIP(S):** T34R05E  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Northwest Region  
**COUNTY(S):** SKAGIT  
**ELEVATION RGE:** 1787-2235



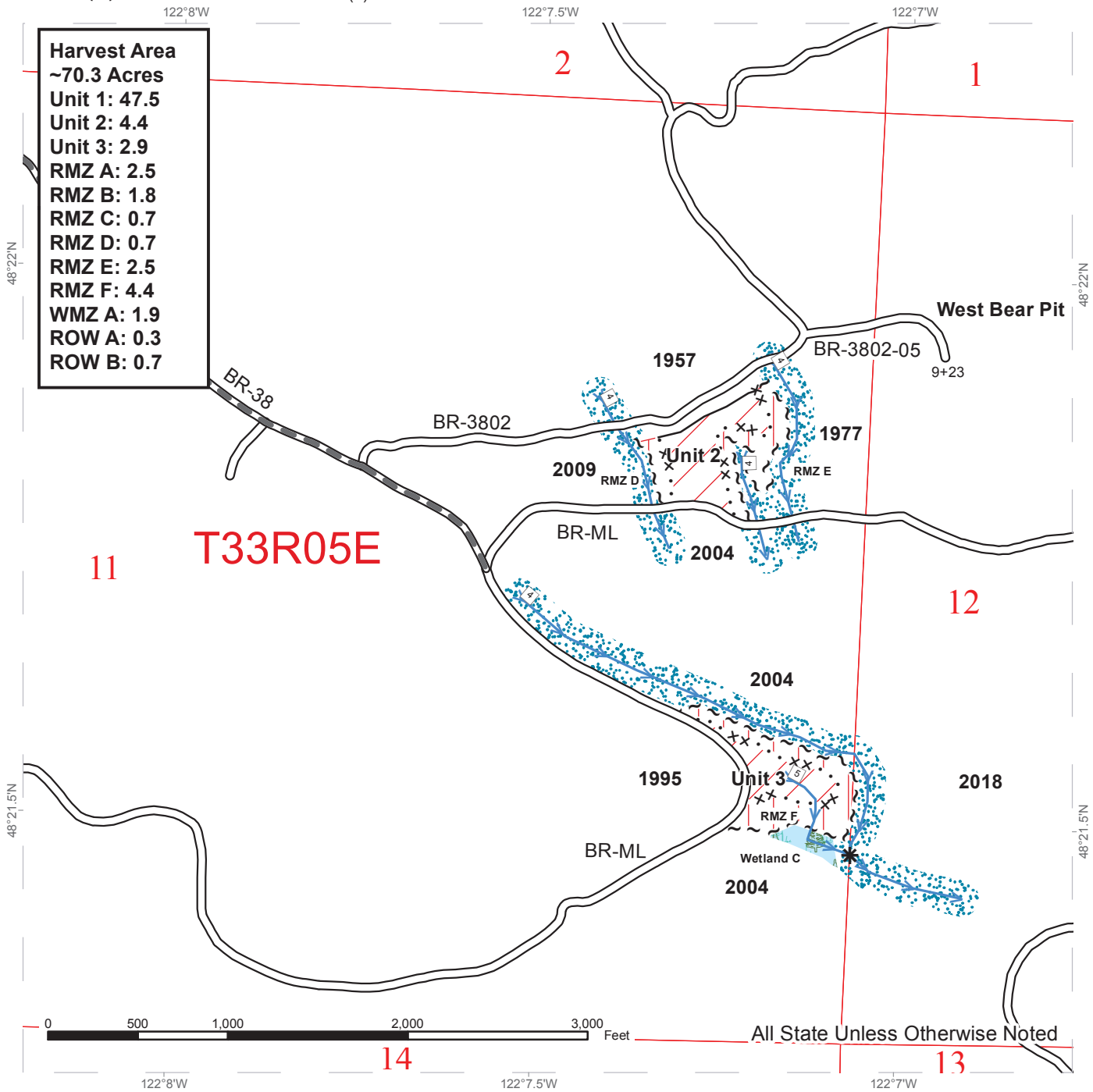
	Variable Retention Harvest		Stream Break		Timber Type Change
	Variable Density Thin		Stream		Wetland
	Existing Roads		Leave Tree Area		WMZ
	Required Pre-Haul Maintenance		Sale Boundary Tags		RMZ
	Required Construction		Special Mgmt Area		Waste Area
	Required Reconstruction		Right of Way Tags		
	Optional Construction		Take / Removal Trees		



# TIMBER SALE MAP

**SALE NAME:** CATAMOUNT  
**AGREEMENT #:** 30-094823  
**TOWNSHIP(S):** T34R05E  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Northwest Region  
**COUNTY(S):** SKAGIT  
**ELEVATION RGE:** 1787-2235



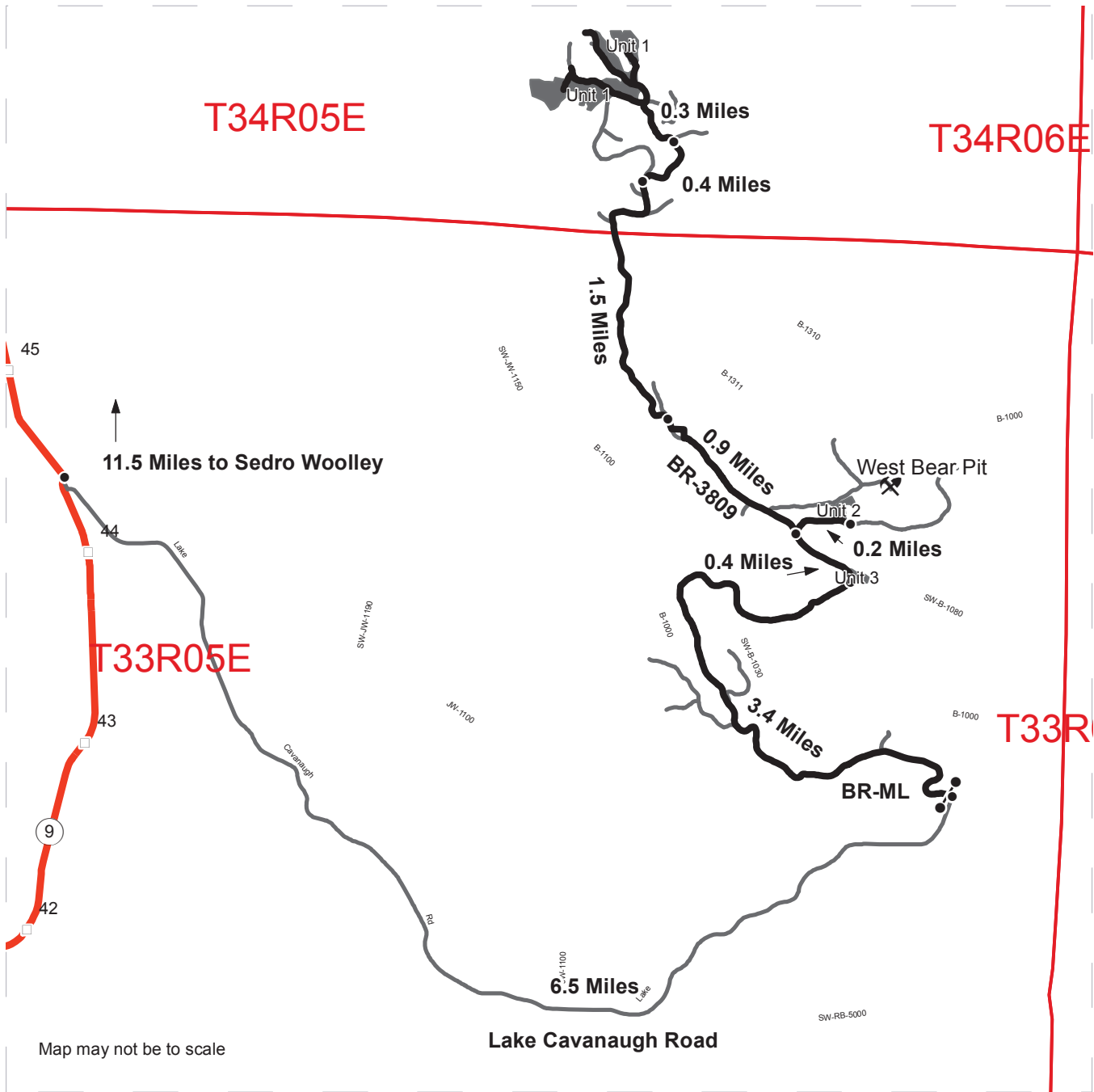
	Variable Retention Harvest		Special Mgmt Area
	Variable Density Thin		Timber Type Change
	Existing Roads		Wetland
	Required Pre-Haul Maintenance		RMZ
	Stream Break		
	Stream		
	Sale Boundary Tags		



# DRIVING MAP

SALE NAME: CATAMOUNT  
 AGREEMENT#: 30-094823  
 TOWNSHIP(S): T34R05E  
 TRUST(S): State Forest Transfer(1)

REGION: Northwest Region  
 COUNTY(S): SKAGIT  
 ELEVATION RGE: 1787-2235



	Timber Sale Unit
	Haul Route
	Other Road
	Milepost Markers
	Distance Indicator
	Gate (F1-3)
	Existing Rock Pit
	Highway

**Driving Directions:**

From Sedro Woolley, drive 11.5 miles south on Highway 9 to Lake Cavanaugh Rd. Take Lake Cavanaugh Rd approx. 6.45 miles to Bear Creek Mainline (BR-ML). To Unit 1: From BR-ML gate, drive 3.8 miles on BR-ML. Stay left, road becomes BR-38. Drive 0.9 miles and take a slight left onto BR-3809. Drive 1.5 miles. Road reconstruction begins here. Reconstruction for the next 0.35 miles. New road construction begins here for 0.28 miles. Arrived at Unit 1. To Unit 2: From BR-ML gate, drive 3.8 miles on BR-ML, turn right and drive 0.2 miles to reach Unit 2. To Unit 3: Drive 3.4 miles on BR-ML to reach Unit 3 on right.






**TIMBER NOTICE OF SALE**
**SALE NAME: UNIVERSAL SORTS**
**AGREEMENT NO: 30-96344 - 30-96354**
**AUCTION: February 22, 2018 starting at 10:00 a.m.**  
 Pacific Cascade Region Office, Castle Rock, WA

**COUNTY: Wahkiakum**
**SALE LOCATION:** Sale located approximately 8 miles east of Cathlamet

**PRODUCTS SOLD  
 AND SALE AREA:**

All delivered timber described below, except for leave trees bounded by yellow "Leave Tree Area" tags and pink flagging and individual trees marked with blue paint, and all down timber existing 5 years prior to the day of sale bound by the following; white "Timber Sale Boundary" tags and pink flagging, and property lines in Unit 1, and 2; white "Timber Sale Boundary" tags, pink flagging, reprod, private property, the E-3231 and the E-3400 in Unit 3; and white "Timber Sale Boundary" tags and pink flagging, reprod, the E-3100, the E-3200, and the E-3400 in Unit 4. All timber bound by the following; orange "Right-of-Way" tags and the E-2200 road in Unit 5; orange "Right-of-Way" tags, E-3500, E-3503, E-3500 Pit and a Type 4 Stream RMZ in Unit 6; and all trees marked with orange paint along the E-3500 road. meeting the specifications described below; on parts of Sections 4, and 5 all in Township 8 North, Range 5 West, Section 33 in Township 9 North, Range 5 West W.M., containing 82 acres, more or less.

**MINIMUM BID AND ESTIMATED LOG VOLUMES:**

Agreement #	Sort #	Species and Sort Specifications	Average Log Length	Estimated Volume		Tons Per MBF	Minimum Bid Delivered Prices		Total Appraised Value	Bid Deposit
				Mbf	Tons		\$/mbf	\$/Ton		
96344	1	DF 5"-11" dib	28'	492	3542	7.2	\$575.00		\$282,900.00	\$0.00
96345	2	DF 12"-19" dib	28'	562	3147	5.6	\$600.00		\$337,200.00	\$0.00
96346	3	DF 20"+ dib	28'	694	3401	4.9	\$525.00		\$364,350.00	\$0.00
96347	4	DF HQ B+ 12"+ dib	28'	1137	5458	4.8	\$650.00		\$739,050.00	\$0.00
96348	5	RA 5"+ dib	28'	166	1079	6.5	\$600.00		\$99,600.00	\$0.00
96349	6	WW 5"-11" dib	28'	283	1726	6.1	\$450.00		\$127,350.00	\$0.00
96350	7	WW 12"+ dib	28'	1088	6310	5.8	\$400.00		\$435,200.00	\$0.00
96351	8	RC 5"+ dib	28'	114	661	5.8	\$1,000.00		\$114,000.00	\$0.00
96352	9	DF Pulp 2"+ dib	N/A	18	234	13		\$28.00	\$6,552.00	\$0.00
96353	10	WW Pulp 2"+ dib	N/A	36	468	13		\$28.00	\$13,104.00	\$0.00
96354	11	HDWD Pulp 2" +	N/A	12	156	13		\$25.00	\$3,900.00	\$0.00

**Totals:**
**4602 26182**
**\$0.00**
**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)





WASHINGTON STATE DEPARTMENT OF  
**NATURAL RESOURCES**

## TIMBER NOTICE OF SALE

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**BID METHOD:** Sealed Bids **UNIT OF MEASURE:** MBF Scale/Tonnage Scale

**EXPIRATION DATE:** October 31, 2018 **ALLOCATION:** Export Restricted

**PAYMENT SECURITY:** To be determined by the State as described in Clause P-045.2 of the Purchaser's Contract.

**BIDDING PROCEDURES:** A separate sealed bid and envelope must be submitted for each log sort. Prospective Purchasers may bid on any or all log sorts. On the day of sale the Purchaser must bring their bid deposit up to 10% of their total bid price. Complete bidding procedures and auction information may be obtained from the Pacific Cascade Region Office in Castle Rock WA. Phone number (360)577-2025.

**TIMBER EXCISE TAX:** Purchaser must pay the forest excise taxes associated with the log sorts delivered to them. The tax rate for this sale is 4.2 %. Taxable Stumpage = Total Delivered Value – (Harvest Cost + Estimated Haul Cost + ARRF). For more information contact the Department of Revenue, Forest Tax Section at 1-800-548-8829.

Use the following rates for estimating taxable stumpage:

Harvest Cost = \$0.00 per MBF for sorts 1, 2, 3, 4, 5, 6, 7 and 8 and \$0.00 per Ton for sorts 9, 10 and 11.

Hauling Services Payment Rate per Ton  
= (Base Rate + Mileage Rate) x (Contractor's hauling bid factor)

Base Rate = \$2.35 per ton

Mileage Rate = ((\$0.16 x C miles) + (\$0.11 x A miles)) x Fuel Index Factor

ARRF does not apply.

Note: To calculate ARRF rates per ton use the tons\mbf conversion factor in the table above.

**CONFIRMATION:** Each sort is subject to confirmation following auction. Sorts will not be confirmed until at least 10 days after auction. Final contract award is contingent upon the State's haul cost analysis. Actual haul route may vary and is subject to change at the State's discretion.

**SPECIAL REMARKS:** The successful Purchaser(s) will be required to purchase logs from the sale area upon delivery to their location specified in the bid submitted. Logs will be delivered to the Purchaser's delivery location by the State's contract harvester. Purchaser is responsible for weighing and scaling costs. All tonnage loads will be weighed and all mbf loads will be scaled at State approved locations. The State reserves the right to determine where logs are authorized to be scaled and weighed.



WASHINGTON STATE DEPARTMENT OF  
**NATURAL RESOURCES**

TIMBER NOTICE OF SALE

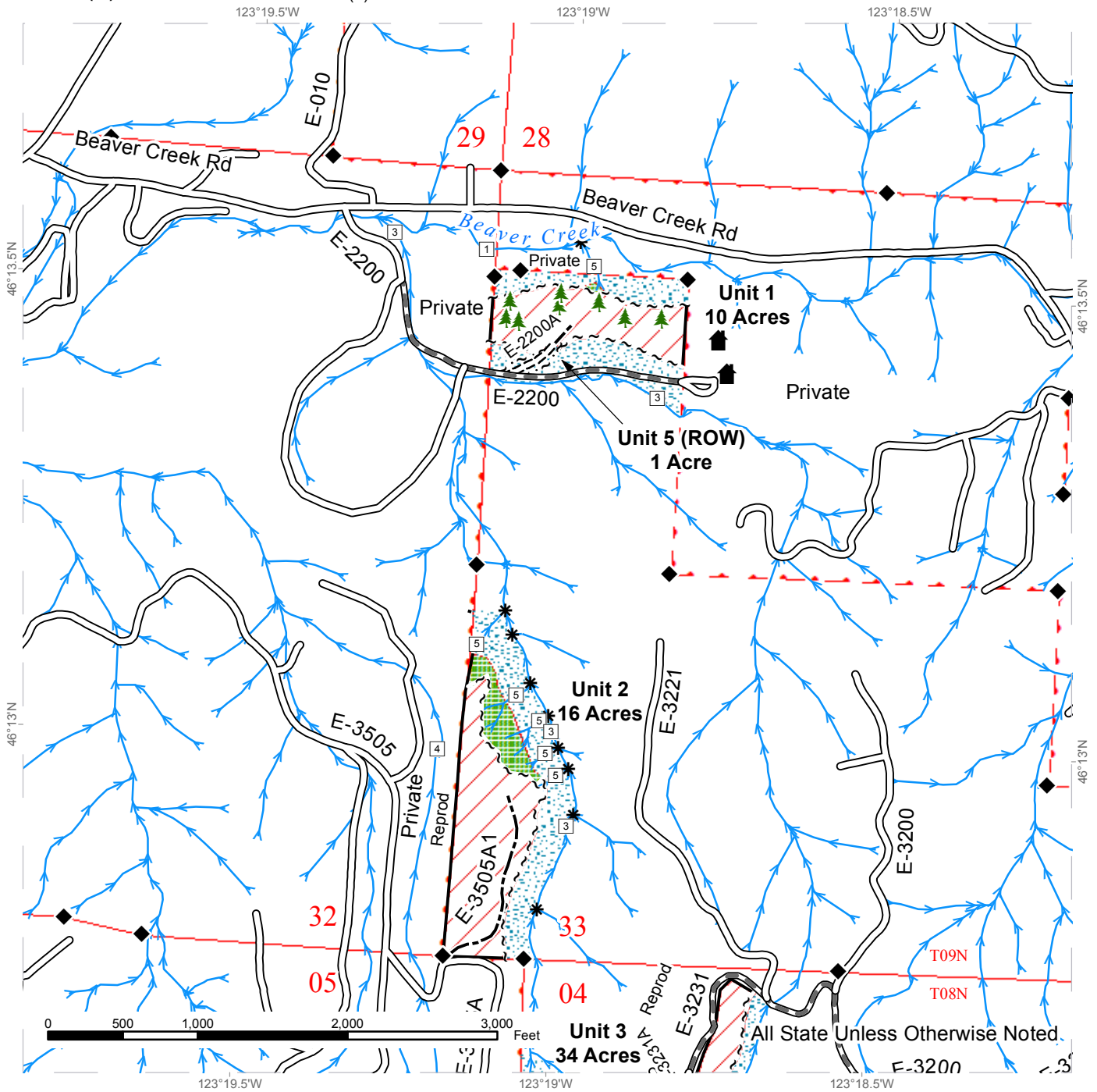
Marbled Murrelet timing restrictions apply, please see clause H-141.1 for further details.

For more information regarding this log sort sale visit our web site:  
<http://www.dnr.wa.gov/programs-and-services/product-sales-and-leasing/timber-sales/timber-auction-packets>. If you have questions call Jon Olson at the Pacific Cascade Region Office at (360)577-2025 or Steve Teitzel at the Product Sales and Leasing Division Office in Olympia at (360)902-1741.

# TIMBER SALE MAP

**SALE NAME:** UNIVERSAL SORTS  
**AGREEMENT #:** 30-096343  
**TOWNSHIP(S):** T08R05W, T09R05W  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** WAHKIAKUM  
**ELEVATION RGE:** 188-1133



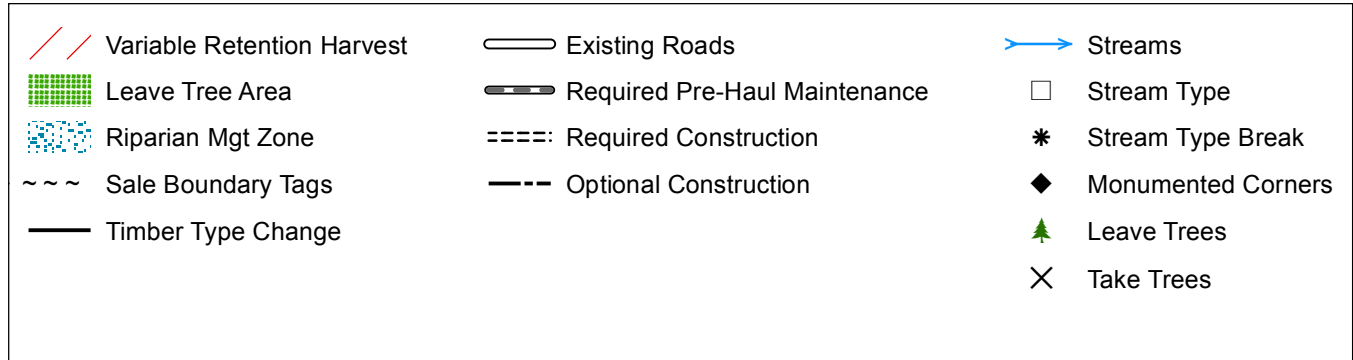
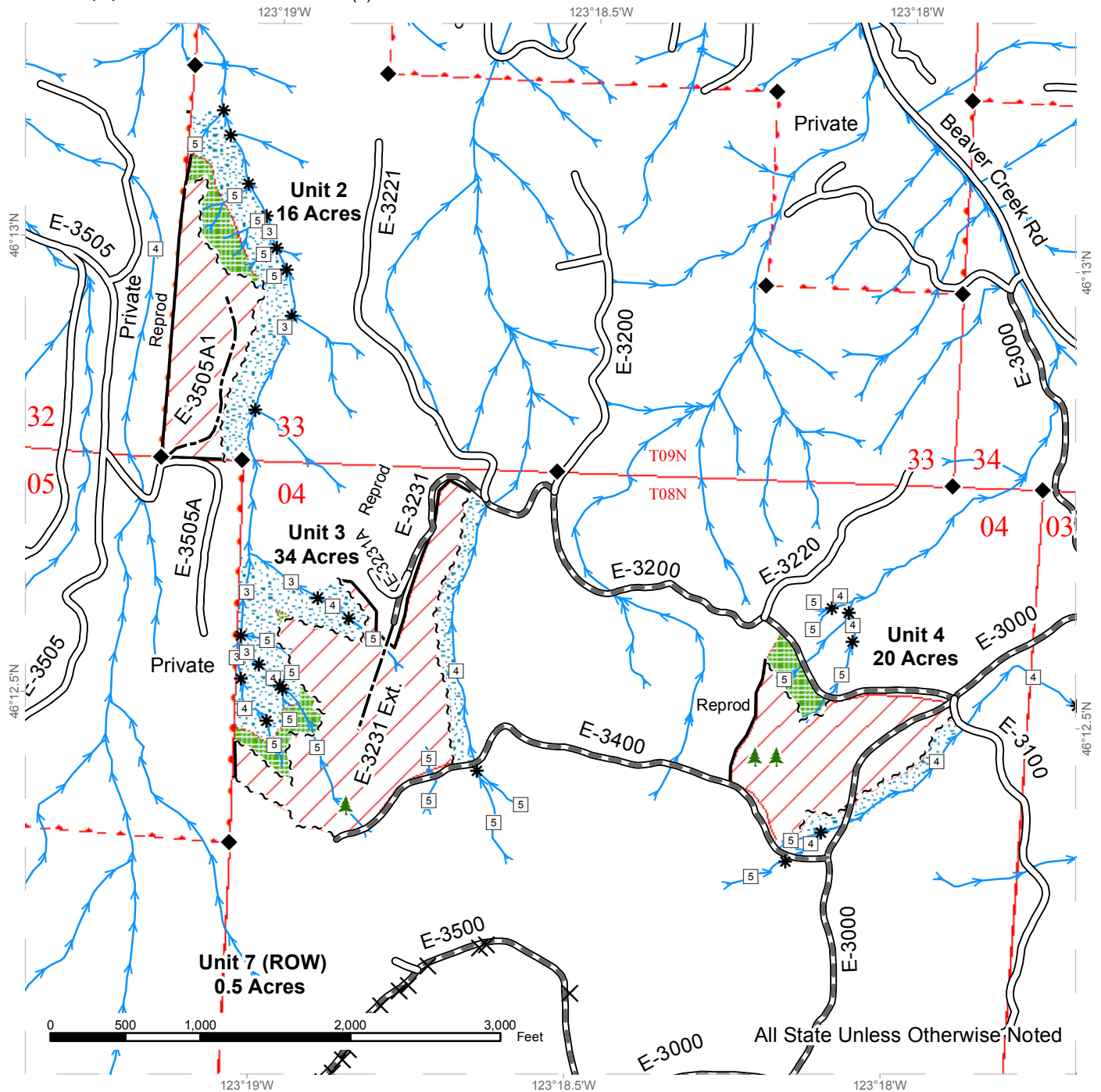
	Variable Retention Harvest		Existing Roads		Streams
	Leave Tree Area		Required Pre-Haul Maintenance		Stream Type
	Riparian Mgt Zone		Required Construction		Stream Type Break
	Sale Boundary Tags		Optional Construction		Monumented Corners
	Right of Way Tags				Leave Trees
	Timber Type Change				Structure



# TIMBER SALE MAP

**SALE NAME:** UNIVERSAL SORTS  
**AGREEMENT #:** 30-096343  
**TOWNSHIP(S):** T08R05W, T09R05W  
**TRUST(S):** State Forest Transfer(1)

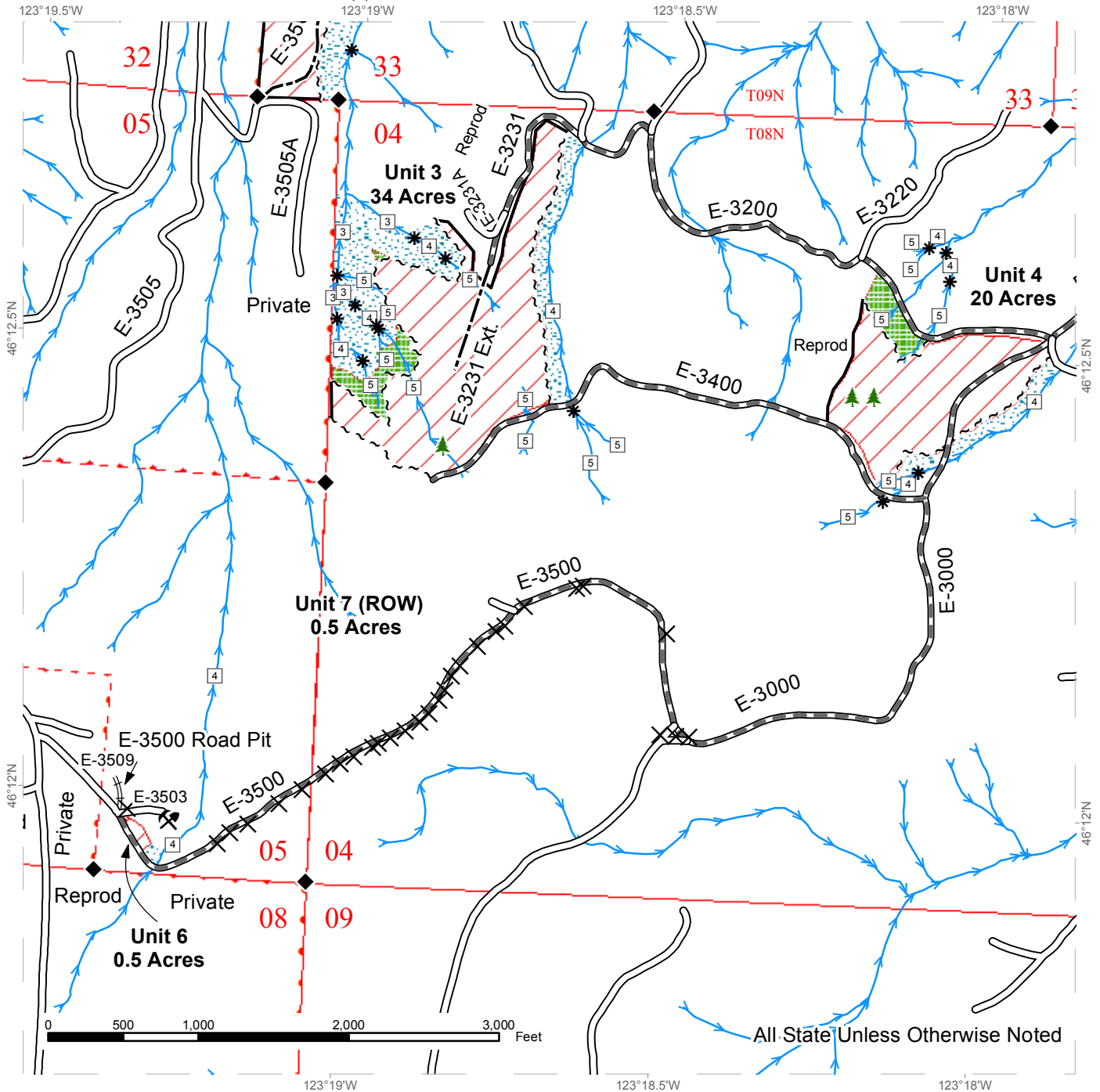
**REGION:** Pacific Cascade Region  
**COUNTY(S):** WAHIAKUM  
**ELEVATION RGE:** 188-1133



# TIMBER SALE MAP

**SALE NAME:** UNIVERSAL SORTS  
**AGREEMENT #:** 30-096343  
**TOWNSHIP(S):** T08R05W, T09R05W  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** WAHKIAKUM  
**ELEVATION RGE:** 188-1133



All State Unless Otherwise Noted

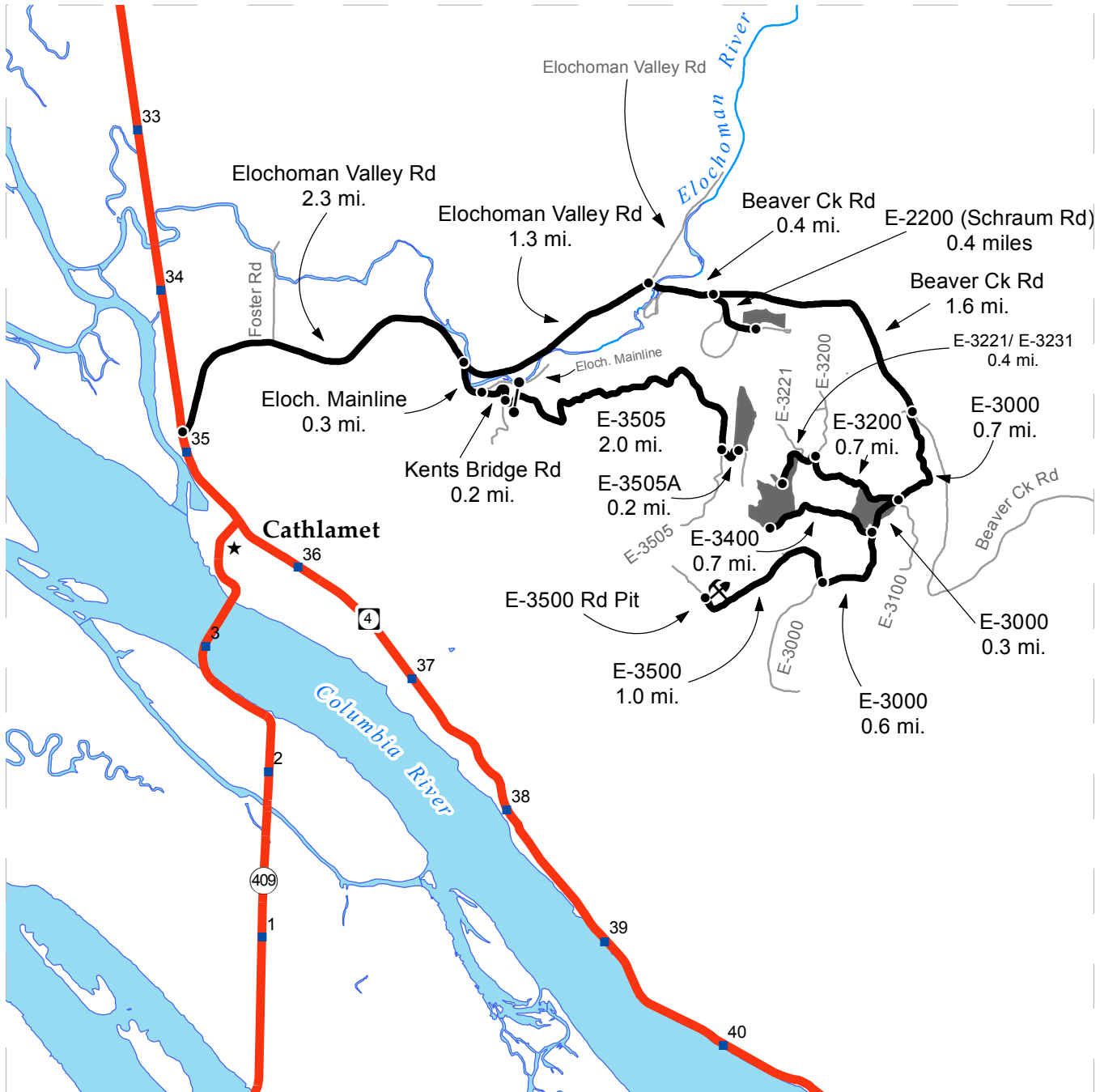
Variable Retention Harvest	Existing Roads	Streams
Leave Tree Area	Required Pre-Haul Maintenance	Stream Type
Riparian Mgt Zone	Required Construction	Stream Type Break
Sale Boundary Tags	Required Reconstruction	Monumented Corners
Timber Type Change	Optional Construction	Leave Trees
		Take Trees
		Existing Rock Pit



# DRIVING MAP

**SALE NAME:** UNIVERSAL SORTS  
**AGREEMENT#:** 30-096343  
**TOWNSHIP(S):** T08R05W, T09R05W  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** WAHKIAKUM  
**ELEVATION RGE:** 188-1133



	Timber Sale Unit
	Highways
	Haul Route
	Other Route
	Distance Indicator
	Town
	Gate (PCP 1-1)
	Existing Rock Pit

**DRIVING DIRECTIONS:**

To access Units 1, 3, and 4: From SR-4 (milepost 35), turn North on the Elochoman Valley Rd and continue for 3.6 miles. Turn right onto Beaver Creek Rd. To access Unit 1 continue on Beaver Creek Rd for 0.4 miles. Turn right onto Schraum Rd and continue for 0.4 miles to Unit 1.

To access Units 3 and 4 continue east on Beaver Creek Rd from Schraum Rd for 1.6 miles and turn right onto the E-3000 Rd. Continue for 0.7 miles to the junction with the E-3200 Rd. Unit 4 is located at this junction. Continue west on the E-3200 Rd for 0.7 miles. Continue on the E-3221 and E-3231 for 0.4 miles to Unit 3. To Access Unit 2: From SR-4 (milepost 35), turn North on the Elochoman Valley Rd and continue for 2.3 miles. Turn right onto the Elochoman Mainline and continue 0.3 miles to the Kents Bridge Rd. Continue 0.2 miles to the E-3505 Rd. Turn left onto the E-3505 Rd and continue 2.0 miles, turn left onto the E-3505A Rd. Continue for 0.2 miles to Unit 2.

E-3500 Road Pit: Travel south 0.9 miles on the E-3000 Rd from the E-3200 Rd junction to the E-3500 Rd. Turn right onto the E-3500 Rd and continue for 1.0 mile to the pit.







**TIMBER NOTICE OF SALE**

**SALE NAME:** *NOOKSACK SALVAGE VDT VRH RMZ*

**AGREEMENT NO:** *30-95988*

**AUCTION:** February 21, 2018 starting at 10:00 a.m., **COUNTY:** Whatcom  
Northwest Region Office, Sedro Woolley, WA

**SALE LOCATION:** Sale located approximately 6 miles southeast of Deming, WA.

**PRODUCTS SOLD  
AND SALE AREA:**

All timber bounded by white timber sale boundary tags, blue special management tags and the MF-ML and MF-18 roads, except cedar salvage (cedar snags, preexisting dead and down cedar trees and cedar logs), trees marked with blue paint on the bole and root collar and forest products tagged out by yellow leave tree area tags in Unit #1A VRH.

All timber bounded by white timber sale boundary tags, property lines, blue special management tags and the MF-1804 Road, except cedar salvage (cedar snags, preexisting dead and down cedar trees and cedar logs), trees marked with blue paint on the bole and root collar and forest products tagged out by yellow leave tree area tags in Unit #1B VRH.

All timber as described for removal in Schedule B located in the RMZ thinning area (beyond the blue special management tags up to the white timber sale boundary tags) within Unit #1B VRH.

All timber as described for removal in Schedule B, bounded by white timber sale boundary tags, Mosquito Lake Road and the MF-ML Road in Unit #1 VDT.

All timber as described for removal in Schedule B, bounded by white timber sale boundary tags, Mosquito Lake Road and the AD-ML Road in Unit #2 VDT.

All timber as described for removal in Schedule B, bounded by white timber sale boundary tags, Mosquito Lake Road and the MQ-ML Road in Unit #3 VDT.

All timber bounded by orange right of way tags, except that title to the timber within the right of way tags is not conveyed to the Purchaser unless the road segment is actually constructed, except as described in Schedule B.

The above described products on part(s) of Sections 18 all in Township 38 North, Range 6 East, Sections 11, 12, 13, 14 and 24 all in Township 38 North, Range 5 East, W.M., containing 387 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)





TIMBER NOTICE OF SALE

ESTIMATED SALE VOLUMES AND QUALITY:

Table with columns: Species, Avg DBH, Ring Count, Total MBF, Total Tons, Price \$/Ton, and MBF by Grade (1P, 2P, 3P, SM, 1S, 2S, 3S, 4S, UT). Rows include Douglas fir, Cottonwood, Red alder, Hemlock, Red cedar, Maple, Other Hardwood, Other Conifer, and Sale Total.

MINIMUM BID: \$35.5/ton (est. value \$685,000.00)

BID METHOD: Sealed Bids

PERFORMANCE SECURITY: \$100,000.00

SALE TYPE: Tonnage Scale

EXPIRATION DATE: March 31, 2020

ALLOCATION: Export Restricted

BIDDABLE SPECIES: Douglas fir

BID DEPOSIT: \$68,500.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

HARVEST METHOD: Cable; cable, shovel, dozer, tracked skidder or forwarder on sustained slopes 40% or less; a feller-buncher may be utilized on sustained slopes 40% or less; a rubber-tired skidder may be utilized on sustained slopes 40% or less, in areas as approved by Contract Administrator in writing; tethered/self-leveling equipment may be utilized on sustained slopes 65% or less with prior written approval from the Contract Administrator. Falling and Yarding will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator (THIS PERTAINS TO GROUND-BASED EQUIPMENT ONLY) to reduce soil damage and erosion.

Additional restrictions apply, see Remarks section below.

ROADS: 116.60 stations of optional construction. 0.98 stations of road to be abandoned if built. 135.37 stations of required pre-haul maintenance.

Rock may be obtained from the following source on State land at no charge to the Purchaser: St. Stephen Pit at station 18+79 of the MF-25 Road.

Development of existing rock source will involve stripping, drilling, shooting, and processing rock to generate riprap, 1 1/2-inch-minus crushed rock and 4-inch minus jaw run rock.

An estimated total quantity of rock needed for this proposal: 204 cubic yards of riprap, 9 cubic yards of 1 1/2-inch-minus crushed rock and 7,863 cubic yards of 4-inch-minus jaw run rock.

Additional restrictions apply, see Remarks section below.



## TIMBER NOTICE OF SALE

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Road work and the hauling of rock will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator to reduce soil damage and siltation. The hauling of forest products will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator to reduce soil damage and siltation.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** Acres determined by GPS traverse. Cruise was conducted via variable plot sample type. See Cruise Narrative for further details. Shapefiles of units are available upon request.

Shapefiles of units are available upon request.

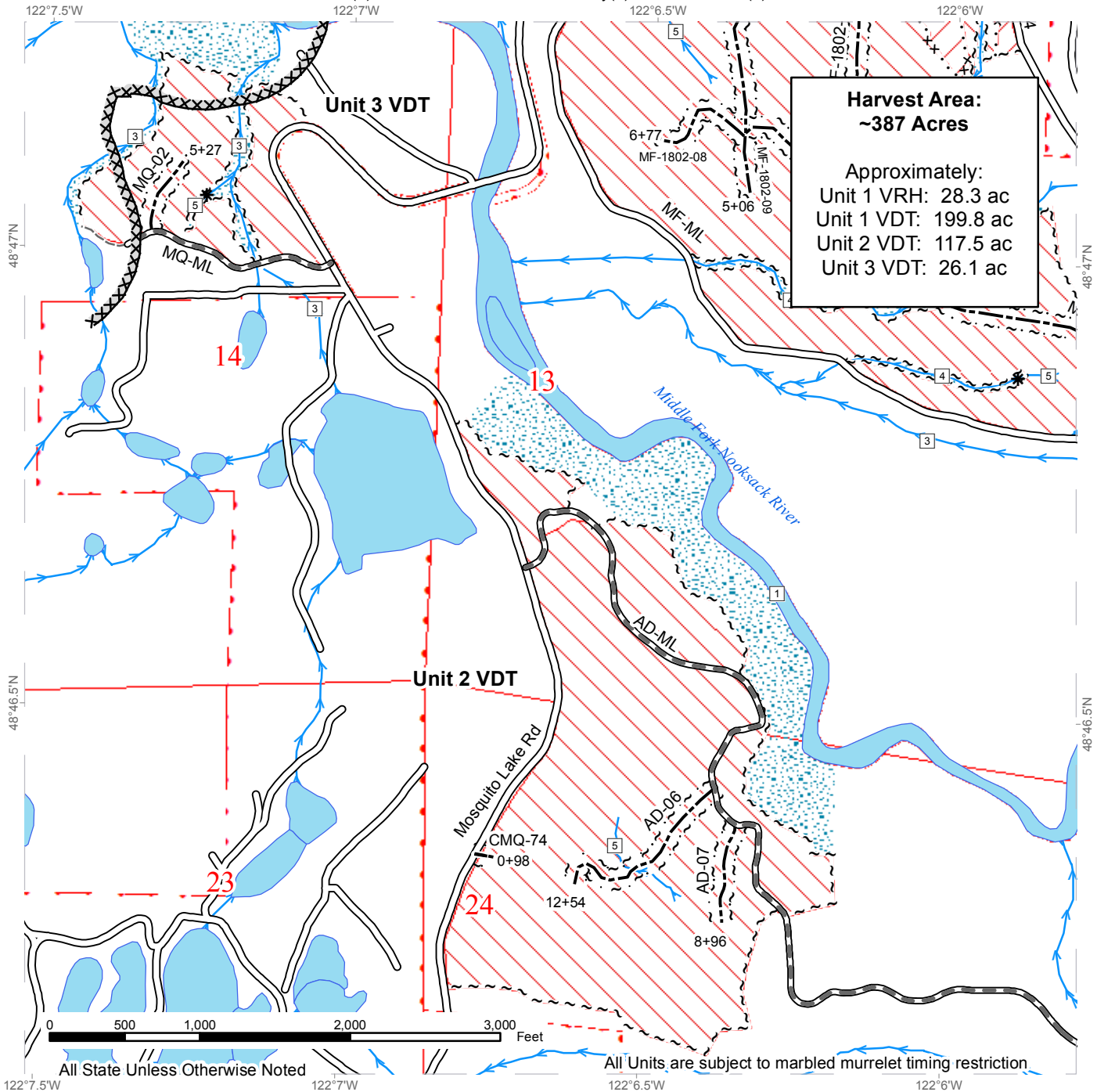
**FEES:** \$45,138.25 is due on day of sale. \$1.13 per ton is due upon removal. These are in addition to the bid price.

- SPECIAL REMARKS:**
1. No falling, bucking, yarding or operation of heavy equipment April 1 to August 31 from one hour before official sunrise to two hours after official sunrise and one before and after official sunset. Timing restrictions will be applied to the entire sale area.
  2. No harvesting shall occur between November 15 and March 15 in the area as shown on the timber sale map.
  3. Falling and yarding in the thinning areas shall not be permitted during the bark slippage season unless authorized in writing by the Contract Administrator. This season is estimated to run from April 1 to July 15, but may vary dependent on weather conditions. If permission is granted to operate during the bark slippage season the Purchaser shall be required to provide a plan outlining mitigation measures.
  4. Purchaser must abide by the requirements included in encroachment permit ENC2017-00744 from Whatcom County for construction of the CMQ-74 Road.
  5. Trees marked with a pink paint "X" represent the last take tree along property line boundaries.

# TIMBER SALE MAP

**SALE NAME:** NOOKSACK SALVAGE VDT VRH RMZ  
**AGREEMENT #:** 95988  
**TOWNSHIP(S):** T38R05E, T38R06E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3), Normal School(8)

**REGION:** Northwest Region  
**COUNTY(S):** WHATCOM  
**ELEVATION RGE:** 504-1301



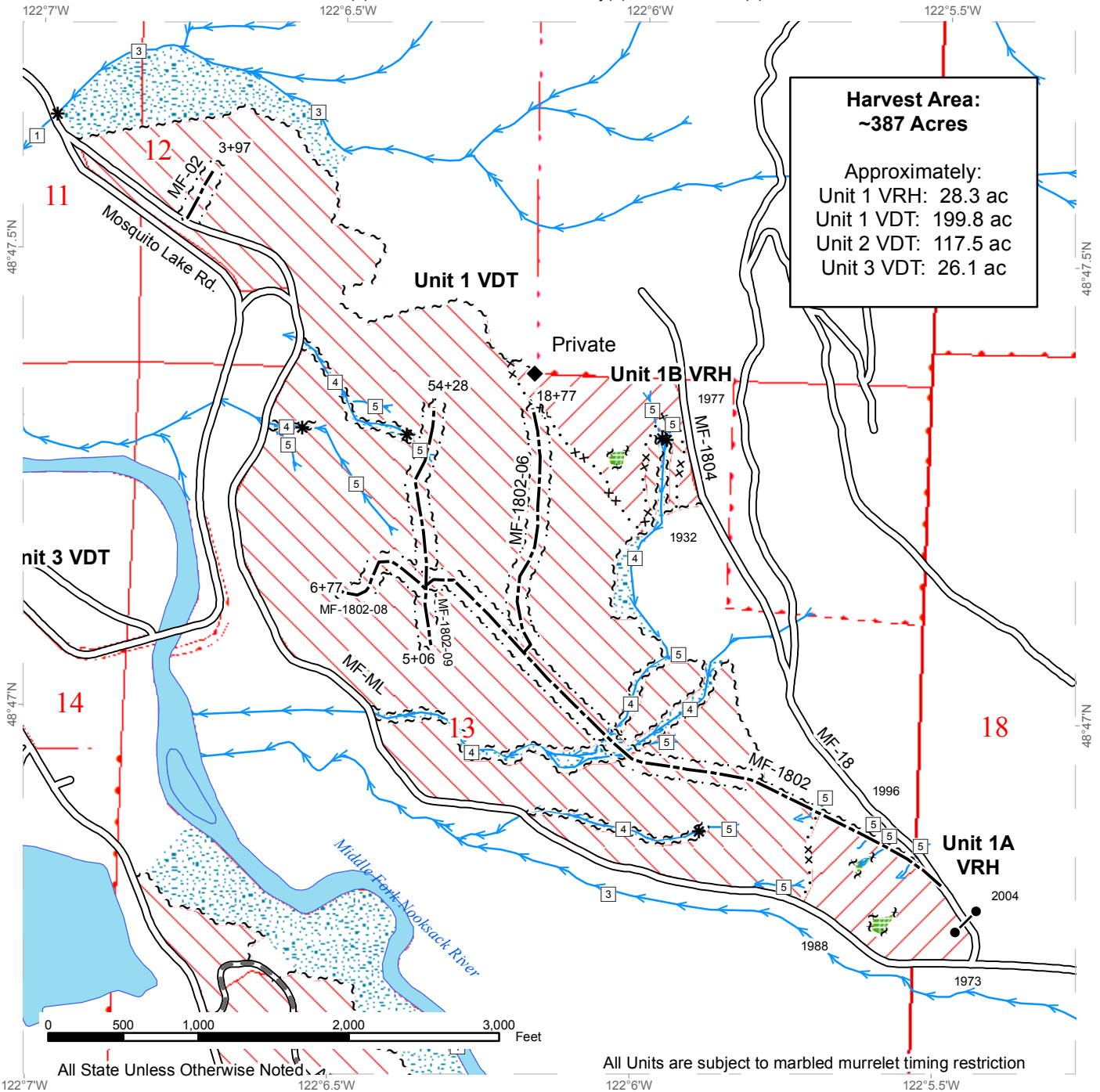
- |                            |                             |                               |
|----------------------------|-----------------------------|-------------------------------|
| Variable Retention Harvest | Wildlife Timing Restriction | Existing Roads                |
| Variable Density Thinning  | Sale Boundary Tags          | Required Pre-Haul Maintenance |
| Riparian Mgt Zone          | Special Mgmt Area           | Optional Construction         |
|                            | Leave Tree Tags             | Old Grades/Trails             |
|                            | Right of Way Tags           | Stream Type                   |
|                            | Property Line               | Stream Type Break             |
|                            | Streams                     |                               |



# TIMBER SALE MAP

**SALE NAME:** NOOKSACK SALVAGE VDT VRH RMZ  
**AGREEMENT #:** 95988  
**TOWNSHIP(S):** T38R05E, T38R06E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3), Normal School(8)

**REGION:** Northwest Region  
**COUNTY(S):** WHATCOM  
**ELEVATION RGE:** 504-1301



**Harvest Area:  
~387 Acres**

Approximately:  
 Unit 1 VRH: 28.3 ac  
 Unit 1 VDT: 199.8 ac  
 Unit 2 VDT: 117.5 ac  
 Unit 3 VDT: 26.1 ac

All State Unless Otherwise Noted

All Units are subject to marbled murrelet timing restriction

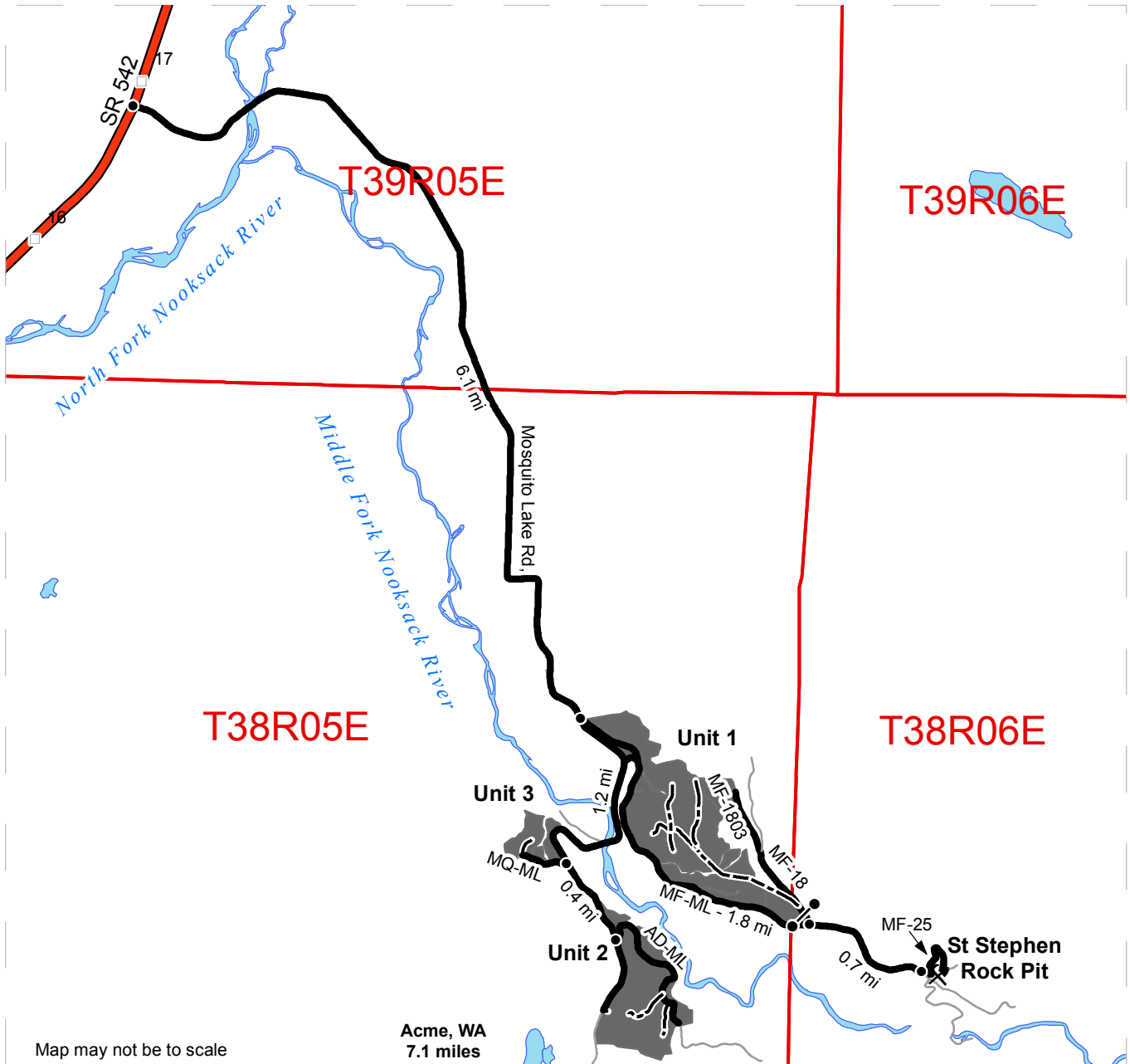
Variable Retention Harvest	Wildlife Timing Restriction	Existing Roads
Variable Density Thinning	Sale Boundary Tags	Required Pre-Haul Maintenance
Leave Tree Area	Special Mgmt Area	Optional Construction
Riparian Mgmt Zone	Leave Tree Tags	Stream Type
	Right of Way Tags	Stream Type Break
	Property Line	Gate (F1-3)
	Streams	



# DRIVING MAP

**SALE NAME:** NOOKSACK SALVAGE  
**AGREEMENT#:** None  
**TOWNSHIP(S):** T38R05E, T38R06E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3), Normal School(8)

**REGION:** Northwest Region  
**COUNTY(S):** WHATCOM  
**ELEVATION RGE:** 504-1301



	Timber Sale Unit
	Haul Route
	Other Road
	New Construction
	Highway
	Milepost Markers
	Distance Indicator

**DRIVING DIRECTIONS:**

**Unit 1:** From the intersection of State Route 542 and Mosquito Lake Rd., head southbound on Mosquito Lake Rd until reaching the MF-ML (USFS-38). The unit runs along the next 1.8 miles of the MF-ML. To access the VRH subunits, turn north on the MF-18 and proceed through the gate with an F1-3 key. Unit 1A is on the west side of the MF-18. To access Unit 1B, continue 0.3 miles on the MF-18, veer west onto the MF-1803, and continue until reaching the harvest unit on the west side of the road.

**Unit 3:** From the intersection of the MF-ML and Mosquito Lake Rd., continue southbound on Mosquito Lake Rd. for approximately 1 mile before reaching the unit on the west side of the road. Continue for 0.2 miles to reach the MQ-ML.

**Unit 2:** From the intersection of the MQ-ML and Mosquito Lake Rd., continue southbound on Mosquito Lake Rd. for 0.4 miles before reaching the AD-ML on the east side. The unit is accessible from the AD-ML and continues for 0.5 miles down Mosquito Lake Rd.

**Rock Pit:** From the intersection of the MF-18 and MF-ML, continue on the MF-ML for 0.7 miles and turn left onto the MF-25. Continue until reaching the rock pit.

