



"STEWARDSHIP IN FORESTRY"

District: Southwest

Timber Sale Appraisal
Perkins North Salvage
Sale 343-14-444

Date: June 03, 2014

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$50,373.57	\$0.00	\$50,373.57
		Project Work:	\$(1,000.00)
		Advertised Value:	\$49,373.57



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timber description

Location: State lands accessed via Mt Reuben Rd, west of Glendale Oregon, T33S-R7W-
Portions of Section 2 and 3

Stand Stocking: 60%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	18	0	80
Sugar Pine	21	0	80

Volume by Grade	2S	3P	3S	4S	5S	Total
Douglas - Fir	108	3	99	15	0	225
Sugar Pine	0	0	0	4	2	6
Total	108	3	99	19	2	231

comments: Salvage of fire-killed timber.

Project Costs of \$1,000 for miscellaneous, road closure, road blading, waterbars, ditches, pull back, if needed

Local Pond Values Used- June July Price Quote for DF = \$570
 Grand fir \$539.70 - \$339.70 = \$200.00
 Incense Cedar \$639.70 - \$339.70 = \$300.00
 Madrone \$379.70 - \$339.70 = \$40.00

Ground-based logging



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logging conditions

combination#: 1	Douglas - Fir	100.00%	
	Sugar Pine	100.00%	
yarding distance:	Medium (800 ft)	downhill yarding:	No
logging system:	Wheel Skidder	Process:	Manual Delimiting
tree size:	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF		
loads / day:	2.0	bd. ft / load:	4,000
cost / mbf:	\$187.31		
machines:	Feller Buncher w/ Delimber		



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logging costs

Operating Seasons:	1.00	Profit Risk:	20.00%
Project Costs:	\$1,000.00	Other Costs (P/R):	\$0.00
Slash Disposal:	\$500.00	Other Costs:	\$0.00

Miles of Road

Road Maintenance: \$0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
3.0	3.0	0.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	4.0
Sugar Pine	\$0.00	3.0	4.0

Local Pond Values

Date	Specie	Grade	Value
2/25/14	Douglas - Fir	2S	\$570.00
2/25/14	Douglas - Fir	3S	\$550.00
2/25/14	Douglas - Fir	4S	\$530.00
2/25/14	Sugar Pine	4S	\$450.00
2/25/14	Sugar Pine	5S	\$350.00
2/25/14	Sugar Pine	6S	\$250.00



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logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$187.31	\$5.83	\$18.98	\$65.00	\$0.00	\$55.42	\$2.16	\$5.00	\$0.00	\$339.70
Sugar Pine									
\$187.31	\$5.83	\$18.98	\$65.00	\$0.00	\$55.42	\$2.16	\$5.00	\$0.00	\$339.70

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$561.53	\$221.83	\$0.00
Sugar Pine	\$0.00	\$416.67	\$76.97	\$0.00



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summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Sugar Pine	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	225	\$221.83	\$49,911.75
Sugar Pine	6	\$76.97	\$461.82

Gross Timber Sale Value

Recovery: \$50,373.57

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TIMBER SALE SUMMARY

Perkins North Salvage
Contract No. 343-14-444

- Type of Sale:** Recovery sale, sealed bid auction. Fire salvage of 19 acres of the volume as cruised and 14 additional uncruised acres available at buyer's option.
- Revenue Distribution:** 100% BOF
- Sale Acreage:** There's 19.3 cruise acres, split 12 acres for Area 1, 7 acres for Area 3, and 14 optional acres in Area 2. Acreage was determined by ArcGIS software and GPS traverse.
- Volume:** All trees within the Timber Sale Areas are designated for sale, excluding those trees marked with red paint. The volume/acre estimate is expanded over the 19 acres of Areas 1 and 3. Area 2 consists of scattered retention trees and is not accounted for in the volume estimate. The total volume is estimated to 13.5% standard error, meaning the actual volume will fall between 199 and 261 MBF (68% of the time). The volume of individual species will be more variable due to the smaller sample compared to the total volume sample. See the cruise report for more detail.

SPECIES	2 SAW	3 SAW	4 SAW	5SAW	3P	NET VOL (MBF)
Douglas-fir	108	99	15		3	224
Sugar Pine			4	2		6
Total						230

- Timber Description:** The timber in Areas 1 and 3 consists of Douglas-fir and Sugar pine which was recently thinned and then burned in the 2013 wildfires. Area 2 consists of scattered retention trees and this volume is not accounted for in the volume estimate. The averages for DBH for take trees are: Douglas-fir 18", and Sugar Pine 21". The cruise report gives a breakdown of log lengths and scaling diameters by species for the combined cruise.
- Topography and Logging Method:** Ground based logging is possible throughout the sale area, however, line pulling will be necessary and tipping trees toward the road. The sale is suited for shovel logging or yoader logging with short cable corridors.
- Access:** Existing roads provide access to all Sale Areas. Haul routes are located on Private, BLM, and State maintained roads. Road license agreements will be required for hauling on non-state roads. The appraisal includes costs for road grading and maintenance during and at the close of the sale. Details are included in the sale prospectus.
- Projects:** No projects are required for this sale.
- Road Maintenance:** The appraisal includes a cost of \$5.83MBF for normal road maintenance (grading, cleaning ditches, etc.).
- Other Costs:** The appraisal includes a cost of \$5/ MBF for Scaling and \$2.07/MBF for slash disposal. Costs not accounted for in the appraisal are the responsibility of the Purchaser.
- Slash Disposal:** Purchaser will pile slash on landings with an excavator or log loader, sorting out firewood into a separate pile. ODF will burn the slash piles.