

SPRUCE UP TIMBER SALE
IDC02-TS-2021.0002
DELIVERED LOG APPRAISAL

Formula: Delivered Log price - Logging Costs - Loading - Transportation - Development = Appraised Value

DLP-LC-Lo-Tr-Dp = ApV

Yarding Method	TRACTOR	Skyline Cable			
System % by volume	62%	38%			
Stump to landing-OBT	\$28/ton	\$40/ton			
Weighted yarding cost	62% * \$28 = 17.36	38% * \$40 = 15.20			
Transportation	27.00				
	tons/load (Industry standard used for total load calculations)				Total = \$32.56

- Piling of created slash on landing(s) & roadside areas included in on-board-truck (OBT) costs.

1st Quarter 2020 Delivered log prices; Idaho Forest Group, LLC Grangeville, Id.

	1st qtr 20				
21"+ YPine \$/MBF		calculate	\$0.00	per ton	1
Bull Pine \$/MBF		calculate	\$0.00	per ton	11800
Lodgepole\$/MBF	435	calculate	\$75.00	per ton	11600
Douglas-fir \$/MBF	525	calculate	\$87.50	per ton	12000
WL \$/MBF	525	calculate	\$87.50	per ton	12000
Spruce \$/MBF	435	calculate	\$76.32	per ton	11400
SAF \$/MBF	250	calculate	\$43.86	per ton	11400
Grand Fir \$/MBF	500	calculate	\$80.65	per ton	12400
Cedar \$/MBF		calculate	#DIV/0!	per ton	
Hemlock \$/MBF		calculate	#DIV/0!	per ton	
White Pine \$/MBF		calculate	#DIV/0!	per ton	
PULP (all spp)	173	calculate	\$32.00	per ton	10000

Spp/Products	TONS	Del Value	MBF
18"+ YPine sawlogs	0	\$0	
Bull-Pine sawlogs	0	\$0	
Lodgepole Pine saw	1108	\$83,100.00	191
Douglas-fir sawlogs	4488	\$392,700	748
W-Larch sawlogs	666	\$58,275.00	111
E Spruce sawlogs	108	\$8,242.11	19
Subalpine Fir sawlog	63	\$2,763.16	11
G Fir sawlogs	5983	\$482,500	965
Cedar \$/MBF	0	#DIV/0!	
Hemlock sawlogs	0	#DIV/0!	
White Pine sawlogs	0	#DIV/0!	
PULP (all spp)	6300	\$201,600	1160
Total tons	12,415	\$1,027,580	2,045

Transportation:

	10 hrs.	10 hrs.	7 hrs.
	IFG	Gville area	Clw. Fiber
# trips	2	2	1
Hourly cost	\$100	\$100	\$100
Daily cost	\$1,000	\$1,000	\$700
Tons/Day	54	54	27
Cost/ton	\$18.52	\$18.52	\$25.93
Tons hauled	12,415	4,200	2,100

Pulp/Biomass is a mandatory removal product, estimated 5,800 tons. **(See exhibit F, Cruise Summary Worksheet for estimated species, dead standing, and downed material).**
 In addition, an estimated 13,000 trees (5" to 7.9" dbh) to be removed as post/pole material or pulp products, approx. 500 tons. Total non-sawlog tons = 6,300

Estimate that 2/3 of the pulp (4200 tons of dead standing/downed D.F. & L.P.P.) is houselog/firewood/post & pole material to be delivered to the Grangeville area.

Weighted average pulp/other products haul; Grangeville @ \$18.52 x 4,200 = \$77,784 + Clw. Fiber @ \$29.63 x 2,100 = \$62,223 = \$140,007 ./. 6,300 total tons = **\$22.22 ave. haul**

Development Cost Allowance

All Roads	\$71,069	See Road Summary Worksheet, Exhibit E
Slash	\$38,750	Purchaser responsibilities - Appraisal allowance to perform machine piling activity slash/damaged regeneration on all 155 ac. of Tractor unit(s) @ \$250/ac. = \$38,750
Mobilization	\$4,050	Transport 5 pieces @ 6 hrs.each = 30 hrs. @ \$135.00/hr. = \$4,050
Truck Assist	\$3,750	Assist log trucks during haul out of North Spur road unit 8T & 9C - Approx. 75 loads @ \$50/load using large skidder
Total Allow	\$117,619	
Allowance per Ton	\$9.47	

For sale/species volume breakdown, see Unit Cruise Summary Worksheet, Exhibit F

	YP	BP	LPP	DF	WL	SP	SAF	GF	Cedar	HEM	WP	PULP	Net Sale Value
AVG Delivered Log Price/TON: DLP	\$82.77	\$0.00	\$0.00	\$75.00	\$87.50	\$87.50	\$76.32	\$43.86	\$80.65	\$0.00	\$32.56	\$32.56	
AVG Logging Costs/TON: On Board Truck	\$32.56	\$32.56	\$32.56	\$32.56	\$32.56	\$32.56	\$32.56	\$32.56	\$32.56	\$32.56	\$32.56	\$32.56	
Loading Costs:													
Transportation: Trucking	\$18.52	\$18.52	\$18.52	\$18.52	\$18.52	\$18.52	\$18.52	\$18.52	\$18.52	\$18.52	\$18.52	\$22.22	
Development Allowance:	\$9.47	\$9.47	\$9.47	\$9.47	\$9.47	\$9.47	\$9.47	\$9.47	\$9.47	\$9.47	\$9.47	\$0.00	
Appraised Stumpage Value (per ton)			\$14.45	\$26.95	\$26.95	\$15.77	-\$16.69	\$20.10				-\$22.78	\$10.66 per ton
Appraised Stumpage Value (total)			\$16,010	\$120,951	\$17,949	\$1,703	-\$1,052	\$120,258				-\$143,514	\$132,344.00
Appraised Stumpage Value (per MBF)			\$83.82	\$161.70	\$161.70	\$89.61	-\$95.60	\$124.62				"See notes below"	\$64.72 per mbf

Total sale value with pulp = \$138,644.00

Notes: Pulp is a mandatory removal product, the price is \$1.00/ton * 6,300 tons = \$6,300.00. This stumage value is added to the total appraised sawlog value to determine **Total Sale Value.**

