



United States
Department of
Agriculture

Forest Service

Tongass
National Forest
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Navy Timber Sale

Draft Environmental Impact Statement

Wrangell Ranger District
Wrangell, Alaska



Table 3-4 - TM-4: Alternative Volumes, Costs, and Values ¹

	Alt A	Alt B	Alt C	Alt D	Alt E	Alt F
Sitka Spruce (MBF)	0	14,659	23,706	8,037	13,144	4,285
Hemlock (MBF)	0	24,354	37,396	15,025	17,515	7,610
Yellow-cedar (MBF)	0	6,798	11,519	3,641	5,792	1,988
Western Redcedar (MBF)	0	8,223	13,325	4,673	6,670	2,465
Total Net Sawlog MBF	0	54,034	85,946	31,376	43,121	16,348
Logging Cost per MBF	0	\$389.90	\$401.21	\$374.78	\$409.73	\$379.77
Road Cost per MBF	0	\$65.28	\$57.29	\$42.14	\$40.78	\$21.99
Indicated Value	0	\$(9,978,327) ¹	\$(15,951,801)	\$(4,711,581)	\$(7,547,760)	\$(2,175,631)
Indicated Bid Value/MBF	0	\$(184.67)	\$(185.60)	\$(150.17)	\$(174.99)	\$(133.08)

¹ () indicates negative value

² some numbers may not total due to rounding

Source: K. Welch, NEAT-R version 2.13

The harvest volumes, indicated value, costs and net stumpage values used in this document are current estimates. These estimates are useful for comparing the relative differences among alternatives and may be used for determining estimated sale volume, costs or values. Merchantable timber within units and any road right-of-way located on National Forest System lands will be cruised to determine the quantity, quality and value of timber for the contract under which that volume of timber is offered. The final sale appraisal will include current quarter selling values, current cost information and a normal profit and risk allowance to determine the minimum advertised stumpage value at the time of offering.

Financial Efficiency Analysis

One method to compare the effects of the different alternatives is through a financial efficiency analysis. A financial efficiency analysis is a comparison of those costs and benefits that can be quantified in terms of actual dollars spent or received within the project area. This type of analysis does not account for non-market benefits, opportunity costs, individual values, or other values, benefits, and costs that are not easily quantifiable. This is not to imply that such values are not significant or important, but to recognize that non-market values are difficult to represent by appropriate dollar figures. Therefore, financial efficiency should not be viewed as a complete answer but as one tool decision makers can use to gain information about resources, alternatives, and trade-offs between costs and benefits.

Forest Service Costs

Financial efficiency analysis compares estimated Forest Service direct expenditures with estimated financial revenues. Average financial costs used in the Alaska Region's budget allocation process are