

## APPENDIX T: Labor Cost, Wage Income and Potential Job Estimates

Assumptions and data used for jobs created analysis for invasive plant treatments on the Forest and Scenic Area. Assumptions prepared by Elisabeth Grinspoon, Social Scientist, January 2006.

Treatment Type	Acres	Labor (\$)	Equipment (\$)	Herbicide (\$)	Total (\$)	Labor Cost (\$)	Wage Income	Jobs @ \$20,000/year
<b>Alternative 1 - No Action Alternative</b>								
Herbicide Treatment	4500				\$175.00	\$630,000.00		
Manual Treatment	625				\$340.00	\$212,500.00		
Mechanical Treatment	510				\$100.00	\$20,400.00		
Monitoring	6175				\$2.00	\$12,350.00		
Planning	1915				\$2.00	\$3,830.00		
<b>Sub-total</b>						<b>\$879,080.00</b>	<b>\$703,264.00</b>	<b>\$35.16</b>
<b>Alternative 2 - Proposed Action</b>								
Herbicide Treatment with Clopyralid, Backpack Spray	3374	\$184.00	\$20.00	\$38.00	\$242.00	\$620,750.86		
Herbicide Treatment with Clopyralid, Truck Mounted Boom	10084	\$9.00	\$8.00	\$38.00	\$55.00	\$90,757.80		
Herbicide Treatment with AQ Glyphosate, Backpack Spray	2225	\$184.00	\$20.00	\$21.00	\$225.00	\$409,362.54		
Herbicide Treatment with AQ Glyphosate, Stem Injection	1214	\$184.00	\$0.00	\$21.00	\$205.00	\$223,290.62		
Herbicide Treatment with Glyphosate, Stem Injection	10	\$184.00	\$0.00	\$29.00	\$213.00	\$1,848.10		

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Treatment Type	Acres	Labor (\$)	Equipment (\$)	Herbicide (\$)	Total (\$)	Labor Cost (\$)	Wage Income	Jobs @ \$20,000/year
Herbicide Treatment with Imazapic, Backpack Spray	166	\$184.00	\$20.00	\$16.00	\$220.00	\$30,527.44		
Herbicide Treatment with Imazapic, Truck Mounted Boom	232	\$9.00	\$8.00	\$16.00	\$33.00	\$2,088.00		
Herbicide Treatment with Sulfometuron methyl, Backpack Spray	4	\$184.00	\$20.00	\$12.00	\$216.00	\$812.40		
Herbicide Treatment with Sulfometuron methyl, Truck Mounted Boom	17	\$9.00	\$8.00	\$12.00	\$29.00	\$156.60		
Herbicide Treatment with Triclopyr, Backpack Spray	170	\$184.00	\$20.00	\$116.00	\$320.00	\$31,235.10		
Manual Treatment	24				\$340.00	\$8,251.66		
Mechanical Treatment	183				\$100.00	\$7,302.88		
Monitoring	65406				\$2.00	\$130,812.00		
Project Implementation Planning	13081				\$2.00	\$26,162.40		
Active Restoration	1923				\$1,000.00	\$769,213.60		
<b>Sub-total</b>						<b>\$2,352,572.00</b>	<b>\$1,882,057.60</b>	<b>\$94.10</b>
<b>Alternative 3 - Restricted Herbicide Use Alternative</b>								
Herbicide Treatment with Clopyralid, Backpack Spray	3610	\$184.00	\$20.00	\$38.00	\$242.00	\$664,221.60		
Herbicide Treatment with Clopyralid, Truck Mounted Boom	562	\$9.00	\$8.00	\$38.00	\$55.00	\$5,058.00		

Treatment Type	Acres	Labor (\$)	Equipment (\$)	Herbicide (\$)	Total (\$)	Labor Cost (\$)	Wage Income	Jobs @ \$20,000/year
Herbicide Treatment with AQ Glyphosate, Backpack Spray	2792	\$184.00	\$20.00	\$21.00	\$225.00	\$513,769.95		
Herbicide Treatment with AQ Glyphosate, Stem Injection	20	\$184.00	\$0.00	\$21.00	\$205.00	\$3,749.18		
Herbicide Treatment with Glyphosate, Stem Injection	36	\$184.00	\$0.00	\$29.00	\$213.00	\$6,630.62		
Herbicide Treatment with Imazapic, Backpack Spray	977	\$184.00	\$20.00	\$16.00	\$220.00	\$179,716.48		
Manual Treatment	1431				\$340.00	\$486,635.20		
Mechanical Treatment	22882				\$100.00	\$915,271.60		
Monitoring	65406				\$2.00	\$130,812.00		
Project Implementation Planning	13081				\$2.00	\$26,162.40		
Active Restoration	2626				\$1,000.00	\$1,050,442.00		
<b>Sub-total</b>						<b>\$3,982,469.04</b>	<b>\$3,185,975.23</b>	<b>\$159.30</b>

Notes:

- Labor costs for manual treatments include costs for project implementation planning and monitoring, which are assumed to be 100% of total cost.
- Labor costs for mechanical treatments are assumed to be 40% of total cost.
- Labor costs of herbicide treatment under the No Action Alternative (Alternative 1) are calculated as 80% of total cost. This is similar to calculations for labor cost in herbicide treatments in both Proposed Action and Restricted Herbicide Use alternatives.
- Wage income is calculated as 80% of labor cost given a 20% cost in taxes and benefits.
- Total (\$) in is the sum of Labor (\$), Equipment (\$), and Herbicide (\$).