

**Title II Project Application**  
**Medford District Resource Advisory Committee**

1. Project Number: 014-404

2. **Project Name:** Matchbox Thinning 3. **County:** Klamath  
4. **Project Sponsor:** BLM 5. **Date:** 04/03/03  
6. **Sponsors Phone #** 541-885-4110  
7. **Sponsor's E-mail:** wwatkins@or.blm.gov

**8. Project Location** (attach project area map)

- a. 4<sup>th</sup> Field Watershed Name and HUC #(if known): Upper Klamath River 18010206
- b. 5<sup>th</sup> Field Watershed Name and HUC #(if known): Middle Upper Klamath River
- c. Legal Location:  
Township 40S Range 7E Section(s) 9  
Township \_\_\_\_\_ Range \_\_\_\_\_ Section(s) \_\_\_\_\_  
Township \_\_\_\_\_ Range \_\_\_\_\_ Section(s) \_\_\_\_\_
- d. BLM District - Lakeview e. BLM Resource Area - Klamath Falls
- f. National Forest \_\_\_\_\_ g. Forest Service District \_\_\_\_\_

h. State / Private / Other lands involved?  Yes  No

**9. Statement of Project Goals and Objectives:**

Improve overall forest health by improving stand resiliency to natural disturbances such as catastrophic (stand replacing) wildfires, insects, and diseases.

**10. Project Description:** (Provide concise description of project and attach map.)

This will be a silvicultural treatment of forested stands that are over stocked with small diameter trees. The treatment will improve the health of the stand and to reduce the risk of catastrophic wildfire and insect outbreaks. The project will subsidize removal of timber products that otherwise would not be utilized due to negative economics.

The stand condition is typical of many overstocked small diameter stands that are prone to stand replacing wildfires and continuing insect out breaks. Merchantable and submerchantable trees will be thinned and yarded using standard logging equipment. Merchantable trees would be sold for saw logs and unmerchantable trees would be decked and either sold for biomass material or firewood, or burned.

Approximately 400 acres will be treated. The goal will be to improve or maintain the health and growth of the remaining trees in the stand, and to reduce the current fuel loading which in return will reduce the risk of catastrophic wildfire.

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**11. Coordination of this project with other related project(s) on adjacent lands?**

Yes  No This project is coordinated with adjoining land owners, U. S. Timberlands. It is the type of project envisioned in the Klamath Falls Resource Area Management Plan, and it complements the forest health timber sale projects being implemented on adjacent BLM lands.

**12. How does proposed project meet purposes of the Legislation?** [Sec. 203(b)(1)]

- Improves maintenance of existing infrastructure. [Sec. 2(b)]
- Implements stewardship objectives that enhance forest ecosystems. [Sec. 2(b)]
- Restores and improves land health. [Sec. 2(b)]  
Restores water quality. [Sec. 2(b)]

**13. Project Type** (check one) [Sec. 203(b)(1)]

- Road Maintenance [Sec. 2(b)(2)(A)]
- Trail Maintenance [Sec. 2(b)(2)(A)]
- Road Decommission/Obliteration [Sec. 2(b)(2)(A)]
- Trail Obliteration [Sec. 2(b)(2)(A)]
- Other Infrastructure Maintenance (specify): [Sec. 2(b)(2)(A)]
- Soil Productivity Improvement [Sec. 2(b)(2)(B)]
- Forest Health Improvement [Sec. 2(b)(2)(C)]**
- Watershed Restoration & Mntc. [Sec. 2(b)(2)(D)]
- Wildlife Habitat Restoration [Sec. 2(b)(2)(E)]
- Fish Habitat Restoration [Sec. 2(b)(2)(E)] ? Control of Noxious Weeds [Sec. 2(b)(2)(F)]
- Reestablish Native Species [Sec. 2(b)(2)(G)]
- Other Project Type (specify) [Sec. 2(b)(2)]:

**14. Measure of Project Accomplishments/Expected Outcomes** [Sec. 203(b)(5)]

- a. Total Acres: 400 b. Total Miles: \_\_\_\_\_ c. No. Structures: \_\_\_\_\_
- d. Estimated People Reached (for environmental education projects):
- e. e. No. of Laborer Days: 500
- f. Other (specify):

**15. Duration of Project and Estimated Completion Date** [Sec. 203(b)(2)]: 5 months 10/04 \_\_\_\_\_

**16. Target Species Benefited** (if applicable) : Thinning overstocked small diameter stands often results in a direct and immediate benefit as well as an indirect and long-term benefit to a variety of wildlife species. Thinning and yarding the material often results in reduced fuel loading and a modification of the ladder fuel arrangements to reduce the risk of a fire carrying into the canopy. Most thinning treatments are followed by a cool prescribe fire (underburn) to further reduce fuel loading. The corresponding benefit to many wildlife species is maintenance of canopy closure over the long-term. In addition, there is often a beneficial response of understory plants including forbs, herbs, and shrubs which often benefits a variety of wildlife species.

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**17. How will cooperative relationships among people that use federal lands be improved?** [Sec. 2(b)(3)] This project will improve the forest health and reduce the risk of wildfire and insect outbreaks on BLM lands, thereby reducing risks to adjacent land owners and maintaining suitable lands for dispersed recreation.

**18. How is this project in the best public interest?** [Sec. 203(b)(7)] **Identify benefits to communities?**  
Any steps made to improve forest health and reduce the risk of wildfire and insect outbreaks are in the public's interest. There are many benefits from this type of activity including, maintaining the longevity of the stand, improving wildlife habitat, reducing risks of catastrophic wildfire, providing timber products, generation of biomass material, and creating local employment.

**19. How does project benefit federal lands/resources?** The project will improve forest health and reduce risks of catastrophic wildfire and insect outbreaks on federal lands. The Klamath Falls Resource Area has a backlog of overstocked, small diameter stands in need of treatment. Timber sales are typically designed to treat only the commercial size material. Funds are often limited to treat precommercial size material that often needs to be treated concurrently. This project is designed to treat the entire stand with one entry thereby improving efficiency in managing federal lands and resources.

**20. Status of Project Planning**

- a. NEPA Complete:  Yes  No      b. If No, give est. date of completion: \_\_\_\_\_
- c. NMFS Sec. 7 ESA Consultation Complete:       Yes  No  Not Applicable
- d. USFWS Sec. 7 ESA Consultation Complete:      Yes  No  Not Applicable
- e. Survey & Manage Complete:      Yes  No  Not Applicable
- f. DSL/ODFW\* Permits Obtained:       Yes  No  Not Applicable
- g. DLS/COE\* 404 Fill/Removal Permit Obtained:       Yes  No  Not Applicable
- h. SHPO\* Concurrence Received:      Yes  No  Not Applicable
- i. Project Design(s) Completed:       Yes  No

\* DSL = Dept. of State Lands, ODFW = Oregon Dept. of Fish and Wildlife, COE = Army Corps of Engineers, SHPO = State Historic Preservation Officer

**21. Proposed Method(s) of Accomplishment**

- Contract       Federal Workforce
- County Workforce       Volunteers
- Other (specify): \_\_\_\_\_

**22. Will the Project Generate Merchantable Materials?** ( Sec. 204(e)(3))

\* Yes      No

The project would produce small merchantable sawlogs and firewood, and potentially biomass material to be used in a co-generation plant.

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**23. Anticipated Project Costs** [Sec. 203(b)(3)]

- a. Total County Title II Funds Requested: \$ \_\_\_\_\_
- b. Is this a multi-year funding request?  Yes  No If yes, then display by fiscal year
- c. FY02 Request: \$ \_\_\_\_\_ f. FY05 Request: \$ \_\_\_\_\_
- d. FY03 Request: \$ \_\_\_\_\_ g. FY06 Request: \$ \_\_\_\_\_
- e. FY04 Request: \$ \_\_\_\_\_

<b>Item</b>	<b>Fed. Agency Appropriated Contribution [Sec. 203(b)(4)]</b>	<b>Requested County Title II Contribution [Sec. 203(b)(4)]</b>	<b>Other Contributions [Sec. 203(b)(4)]</b>	<b>Total Available Funds</b>
24. Field Work & Site Surveys	\$5,000	\$		
25. NEPA & Sec.7 ESA Consultation				
26. Permit Acquisition				
27. Project Design & Engineering	\$	\$		
28. Contract Preparation	\$	\$3000		
29. Contract Administration	\$	\$10,000		
30. Contract Cost		\$72,000		
31. Workforce Cost				
32. Materials & Supplies				
33. Monitoring	\$	\$5,000		
34. Other				
35. Project Subtotal				
36. Indirect Costs (Overhead) (per year for multiple year projects)				
37. Total Cost Estimate	\$5,000	<b>\$90,000</b>	\$	\$

**38. Identify Source(s) of Other Funding in Column C. Above** [Sec. 203(b)(4)]

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**39. Monitoring Plan (Sec.203(b)(6))**

**a. What measures or evaluations will be made to determine how well the proposed project meets the desired ecological conditions? [Sec. 203(b)(6)] Who will be responsible for this monitoring item?**

Permanent photo points, conducted by BLM to determine implementation and effectiveness monitoring. Pre and post treatment stand exams will be completed to assess changes in canopy closure, trees per acres, basal area, species composition changes, snag levels, down woody debris levels, and average stand diameter changes..

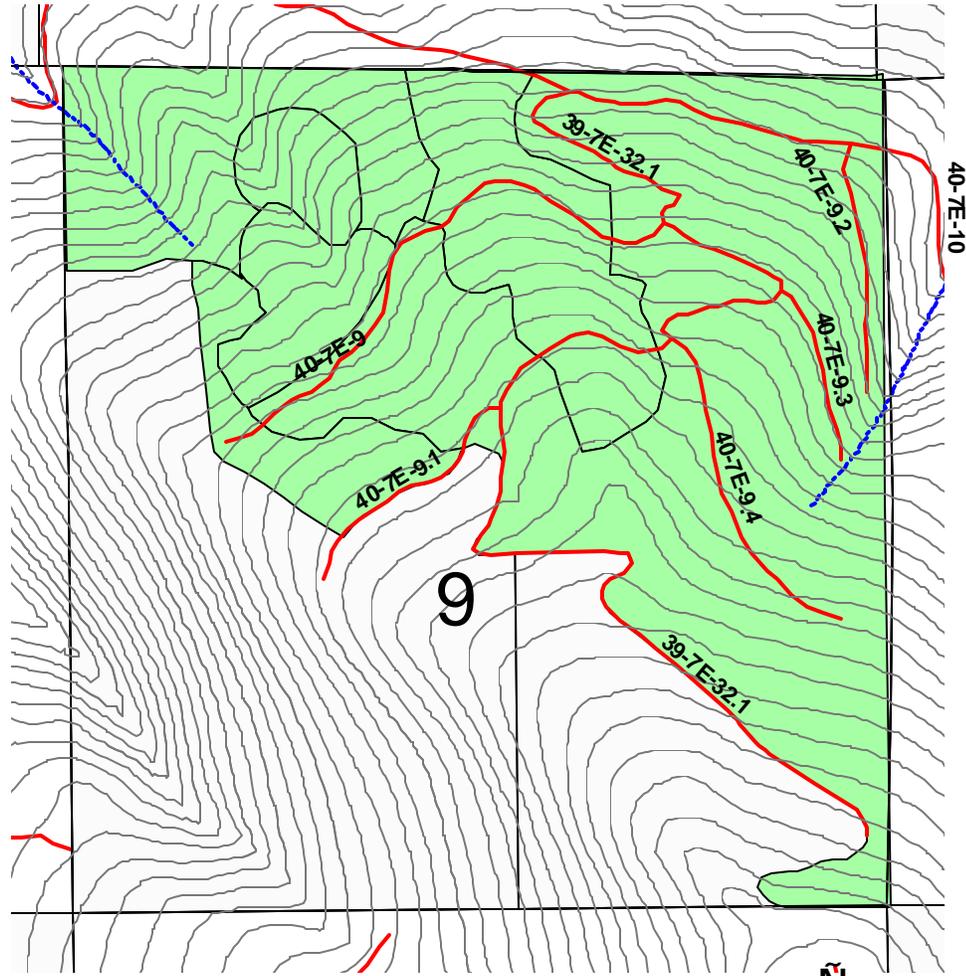
**b. How will the project be evaluated to determine how well the proposed project contributes towards local employment and/or training opportunities, including summer youth jobs programs such as the Youth Conservation Corps? [Sec. 203(b)(6)] Who will be responsible for this monitoring item?** The contracts will be advertised in the RAC area (Klamath, Jackson and Josephine Counties). BLM will track the contract award process, and interview the contractor to determine the type of work force being used.

**c. What methods and measures of evaluation will be established to determine how well the proposed project improves the use of, or added value to, any products removed from National Forest System lands consistent with the purposes of this Act? [Sec. 203(b)(6) and Sec. 204(e)(3)] Who will be responsible for this monitoring item?** N/A (the lands being treated are not part of the National Forest System)

**d. Identify total funding needed to carry out specified monitoring tasks (Table 1, Item 33)**

Amount:   \$  5,000

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Chase Mtn.

**Matchbox Project**  
**T40S R7E**  
**Section 9 (~400 ac.)**

-  Contour 40 ft.
-  Sections
-  Streams
-  Roads
-  Matchbox unit
-  BLM lands

N

1000      0      1000 Feet

1:12,000

Secure Rural Schools and Community Self-Determination Act of 2000  
Public Law 106-393  
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Pictures of stands proposed to be treated.



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Pictures of a similar stand in an adjacent section (section 3) which was thinned and underburned.

