

Title II Project Application
Medford District Resource Advisory Committee

1. Project Number (Assigned by federal unit): OR 110-03-18

2. Project Name: Bear Creek Tree Planting 3. County: Jackson
4. Project Sponsor: Rogue Valley Council of Governments 5. Date: May 31, 2002
6. Sponsors Phone #: 541-664-6676 x.211
7. Sponsor's E-mail: charper@rvcog.org
8. Project Location (attach project area map)

a. 4th Field Watershed Name and HUC #(if known): Middle Rogue River
17100308

b. 5th Field Watershed Name and HUC #(if known): Bear Creek Watershed
17100308

c. Legal Location: approximately 122°52'30", 42°22'30"

Township	<u>37</u>	Range	<u>2W</u>	Section(s)	<u>11A, 102</u>
Township	<u>37</u>	Range	<u>2W</u>	Section(s)	<u>12C, 301</u>
Township	<u>37</u>	Range	<u>2W</u>	Section(s)	<u>12B, 401</u>
Township	<u>37</u>	Range	<u>2W</u>	Section(s)	<u>12B, 502</u>
Township	<u>37</u>	Range	<u>2W</u>	Section(s)	<u>12C, 805</u>
Township	<u>37</u>	Range	<u>1W</u>	Section(s)	<u>04, 301</u>
Township	<u>38</u>	Range	<u>1W</u>	Section(s)	<u>04, 401</u>
Township	<u>38</u>	Range	<u>1W</u>	Section(s)	<u>05, 601</u>
Township	<u>38</u>	Range	<u>1W</u>	Section(s)	<u>05, 609</u>
Township	<u>38</u>	Range	<u>1W</u>	Section(s)	<u>09A,302</u>
Township	<u>38</u>	Range	<u>1W</u>	Section(s)	<u>15A, 500</u>
Township	<u>38</u>	Range	<u>1W</u>	Section(s)	<u>15D, 301</u>
Township	<u>38</u>	Range	<u>1E</u>	Section(s)	<u>30, 4001</u>
Township	<u>38</u>	Range	<u>1E</u>	Section(s)	<u>30, 4000</u>
Township	<u>38</u>	Range	<u>1E</u>	Section(s)	<u>31B, 200</u>
Township	<u>38</u>	Range	<u>1E</u>	Section(s)	<u>31B, 300</u>
Township	<u>38</u>	Range	<u>1E</u>	Section(s)	<u>32, 1401</u>
Township	<u>38</u>	Range	<u>1E</u>	Section(s)	<u>32, 204</u>

d. BLM District Medford

e. BLM Resource Area Ashland

f. National Forest Rogue

g. Forest Service District Ashland

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

9. Statement of Project Goals and Objectives:

The project will improve watershed conditions by decreasing water temperature, stabilizing stream banks to decrease sedimentation, provide bank stability, and restore natural channel morphology over the long term. Planting conifers in the riparian area will provide future large woody debris to the stream channel, creating stream diversity and quality habitat for fish populations, which spawn and rear in Federally managed forest lands. Additionally, through the public outreach effort, people will better understand the value of healthy riparian corridors.

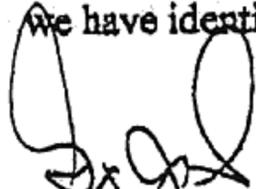
Continuous Improvement ~
Customer Service"



May 31, 2001

Corky.....

We are supportive of your grant request for tree planting along riparian corridors. We have parkland within Medford where the tree planting would be a benefit. The sections we have identified are in Bear Creek Park and along the Larson Creek trail.


Greg Jones
Director

Post-It* Fax Note	7671	Date	5/31	# of pages	1
To	CORKY	From	GREG		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #		Fax #			

The City of Medford is an Equal Opportunity Provider
Lausmann Annex • Room 140 • 200 S. Ivy Street • Medford, OR 97501 • (541) 774-2400

www.ci.medford.or.us
prkmed@ci.medford.or.us

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

The purpose of this project is to develop a riparian planting program focusing on the main stem of Bear Creek. An immediate task is to continue to plant a wildfire burn in Central Point. A half mile of understory and overstory burned in 2001 on both banks along a half mile of Bear Creek. Other planting sites will target terraces in the riparian corridor that are void of conifer species. Planting sites will be selected that will not require a lot of site preparation and post planting maintenance. Blackberry briars will be avoided. The project will be conducted in two phases.

Phase I, this phase will prescribe and implement the first years planting program. **Phase II** will implement the prescriptions for planting the second year and monitoring and maintenance needs as required.

Site 1 ~ all hazard trees will be felled in the riparian area. This will be completed prior to any other work on this project. The next step will be to grass seed the entire burned area with native grass seed. BLM will provide the seed, also other native plant species will be seeded in the burn if seed is available. A forester from Pacific Power will provide planting prescriptions for the entire burn. Stream banks will be planted with an excavator using a "stinger" to plant live willow stakes (average diameter of 2 inches and 10 feet long). An excavator with a reach of 30 feet can work above the banks to plant large willow and cottonwood stakes. Terraces will be planted with conifer and broadleaf seedlings and native shrubs where prescribed. Terraced sites will be planted using hoedads and planting augers where practical.

Sites 2-4 ~ RVCOG has worked with representatives from Jackson County Roads and Parks and the City of Medford to select appropriate planting areas, (see attached maps & photos). The project will target planting terraces within the riparian corridor that **will not** require a lot of site preparation. Planting prescriptions will focus on sites with deep soils, free of brush, and easy to plant, (approximately 800 trees per acre will be planted to meet a stocking level of 350 trees per acre after five years). Conifer species (Ponderosa Pine and Incense Cedar) will be the main stock types with a complement of broadleaf plantings (big leaf maple and red alder). Jackson County Roads & Parks, the Bear Creek Greenway Coordinator, Medford Parks and Recreation Department have selected priority areas where there is a lack of riparian cover and a need for conifers.

The project will start with a survey of riparian conditions and prescribe specific planting requirements on terraced sites in **three sections** of Bear Creek. Please note, a key project objective will be to plant conifer seedlings in the riparian corridor to provide for future large woody debris, bank stabilization, and future shade to the stream. Once the prescriptions are complete, sites will be planted using the NRYC and crews from the Jackson County Youth Authority. BLM and RVCOG will develop site-specific effectiveness monitoring and maintenance plans for each planting site. The Oregon Aquatic Habitat Restoration and Enhancement Guide will be met by considering / implementing directions given in the Guide on pages 19 and 20. An additional priority will be to provide information to local public works departments on the value of riparian areas. Specifically, RVCOG will meet these goals through implementation of the following project elements:

Site Prescriptions: RVCOG, in partnership with Dave Henneman, Reforestation Specialist with the Bureau of Land Management (BLM), will assess riparian conditions and develop planting prescriptions for the three sections on Bear Creek (See attached maps & photos). In addition, RVCOG

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and the BLM will review existing and ongoing watershed assessments and water quality management plans to assist with prioritization of these sites. The following information will be reviewed: RVCOG / DEQ Stream temperature data, **DEQ riparian shade model**, ODFW anadromous fish surveys, aerial photos and the 2001 Bear Creek Watershed Assessment (Draft). RVCOG will also contact public works directors from local communities and Jackson County to provide an opportunity for input in areas of special need. Once this data is reviewed and analyzed, GIS maps will be produced with planting sites highlighted. When this portion of the project is complete, RVCOG with the help of an ODFW biologist, BLM Reforestation Specialist, and NRYC crew will visit each planting site and review the prescriptions.

Site Preparation & Planting: Once the site prescriptions are completed, site preparation and planting will begin. All appropriate permits will be obtained and cooperative agreements will be developed with landowners and land managers. NRYC and Jackson County Youth Authority crews will complete site preparation. As part of the implementation phase, RVCOG will also select a demonstration site in which to deploy a drip irrigation system. The site will be used to provide public and private landowners with information on riparian irrigation techniques.

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

Yes No If yes, then describe.

Jackson County Fair Grounds will assist with coordinating the Central Point project. Pacific Power will provide a forester to prescribe planting sites in the burn. Rogue School Ecology Program will assist with planting the burn site. The Bear Creek Greenway Committee will provide project oversight and technical assistance. The U. S. Bureau of Land Management will provide planting site prescriptions, tree seedlings, grass seed, mulch, and seedling storage for terraced sites in the riparian area.

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)]

- | | |
|--|--|
| <input type="checkbox"/> Road Maintenance [Sec. 2(b)(2)(A)] | <input type="checkbox"/> Trail Maintenance [Sec. 2(b)(2)(A)] |
| <input type="checkbox"/> Road Decommission/Obliteration [Sec. 2(b)(2)(A)] | <input type="checkbox"/> Trail Obliteration [Sec. 2(b)(2)(A)] |
| <input type="checkbox"/> Other Infrastructure Maintenance (specify): _____ [Sec. 2(b)(2)(A)] | |
| <input type="checkbox"/> Soil Productivity Improvement [Sec. 2(b)(2)(B)] | <input checked="" type="checkbox"/> Forest Health Improvement [Sec. 2(b)(2)(C)] |
| <input checked="" type="checkbox"/> Watershed Restoration & Mntc. [Sec. 2(b)(2)(D)] | <input checked="" type="checkbox"/> Wildlife Habitat Restoration [Sec. 2(b)(2)(E)] |
| <input checked="" type="checkbox"/> Fish Habitat Restoration [Sec. 2(b)(2)(E)] | <input checked="" type="checkbox"/> Control of Noxious Weeds [Sec. 2(b)(2)(F)] |
| <input checked="" type="checkbox"/> Reestablish Native Species [Sec. 2(b)(2)(G)] | |
| <input type="checkbox"/> Other Project Type (specify) [Sec. 2(b)(2)]: _____ | |

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

a. Total Acres: 75 b. Total Miles: 1 1/2

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- c. No. Structures: 0 d. Estimated People Reached (for environmental education projects): 200
- e. No. of Laborer Days: 300
- f. Other (specify): Jackson Co. Youth Authority will be involved

15. Duration of Project and Estimated Completion Date [Sec. 203(b)(2)]: Site surveys and planting prescriptions will begin January 15, 2003 and be completed by February 15, 2003. Phase I site preparation and planting will begin February 15, 2003 and be complete April 30, 2003. Phase II site preparation and planting will begin November 2003 and be completed February 2003. Seedling survival and growth monitoring plots will be established January 2003, surveys will continue for five years – January 2008. The riparian restoration workshop will be held in the fall of 2003.

16. Target Species Benefitted: (if applicable) anadromous fish, including threatened coho salmon, and other riparian-dependent fish, amphibians, reptiles, mammals, birds and plants.

17. How will cooperative relationships among people that use federal lands be improved? [Sec. 2(b)(3)]

RVCOG will work closely with federal agencies, community nonprofit agencies, watershed groups, and educators to assist with their forest conservation and riparian planting projects. The goal is to have several tree planting events done in conjunction with SOLV's Down by the Riverside, Arbor Day, Earth Day, etc. These events will be used to educate watershed citizens on the value of riparian areas and the need to improve conditions. Additionally, RVCOG will sponsor a workshop which will provide local government agencies with information on the value of riparian areas, restoration methods, site monitoring, and maintenance. Signs will be placed at planting sites viewable by the public.

18. How is this project in the best public interest? [Sec. 203(b)(7)] **Identify benefits to communities?**

The Bear Creek Riparian Planting Project is in the best public interest by providing the following benefits to the Bear Creek watershed communities:

The Bear Creek Riparian Tree Planting Project will implement actions suggested in the Bear Creek Sub-Basin Watershed Assessment and Action Plan and the draft Bear Creek Water Quality Management Plan.

The Bear Creek Sub-Basin Watershed Assessment and Action Plan states "temperature is a problem during low flow seasons, approaching 80 degrees F at times. Temperatures exceeded 68 degrees F over 20% of the time at sampling sites in lower Bear Creek and several tributaries. Lack of riparian cover for shading and irrigation returns of solar warmed water are the major problems behind high temperature conditions (pg. 36). The following are recommended actions:

Water Quality & Quantity:

"Seek to increase riparian/stream habitat diversity and complexity within the watershed." (pg. 49)

Forest Management:

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“Design and manage stream riparian zones to provide multi-layered canopy structure, increase shading, reduce water temperature, increase dissolved oxygen, and improve water quality in upland tributaries.” (pg. 56)

Anadromous Fisheries:

“Initiate activities and actions to attain DEQ water quality standards for Bear Creek and tributaries, particularly during late summer and fall periods. Particular efforts should be directed to decrease mainstem water temperatures levels, lower pH, and raise DO.” (77)

Instream Enhancement:

“Protect and enhance canopy and streamside riparian cover for thermal protection.” (84)

In addition, the assessment and action plan recognizes the importance of public involvement: “Initiate public information program to educate citizens of on-going efforts to protect Bear Creek. Instill the need for personal participation by fostering a sense of public responsibility for the Bear Creek environment.” (pg. 44)

“Promote educational programs on habitat protection and restoration for area interest groups.” (78)

The following are goals and objectives from the draft Urban/Non-Resource Land Use Component of the Bear Creek Water Quality Management Plan being prepared at this time by RVCOG for DEQ:

GOAL: Maintain water quality to protect the beneficial uses that are currently being met and to prevent future declines in water quality.

OBJECTIVE: Areas that have been identified as meeting shade potential are to be protected. In areas where shade potential is achievable, take steps to increase riparian vegetation as per the temperature TMDL.

1. The project will improve aquatic and riparian habitat for anadromous fish and other species over time by

- Providing future large woody debris to the channel and surrounding area, increasing habitat complexity and pool to riffle ratios
- Increasing the structural and species diversity found with mature native riparian vegetation
- Providing nutrients for aquatic species
- Increasing riparian vegetation width and connectivity to adjacent corridors and upland habitats
- Restoring the structural and species diversity and integrity necessary for riparian dependent obligate fauna

2. The project will improve water quality over time by

- Lowering water temperatures by providing shade to waterways
- Increasing bank stability through multi-species root development
- Reducing and capturing sediments
- Reducing the amount of algal growth by decreasing stream temperatures
- Improving channel dynamics to encourage a desirable channel depth to width ratio over time
- Reducing urban heat island effect in urbanizing areas of the watershed

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3. *The project will improve public understanding of the importance of healthy riparian areas by*

- Providing public and private landowners with the information about the importance of riparian areas and how they can improve the ecological health of their lands.
- Providing opportunities for community groups and volunteers to assist with planting projects.

19. How does project benefit federal lands/resources?

The project will benefit federal lands/ resources by improving water quality and habitat in the lowland reaches of Bear Creek, thereby improving conditions for anadromous salmonids and other creatures that use riparian corridors for migration through private and local and state agency managed lands up to the federal lands. People will also learn to value and protect riparian corridors and forests, and gain a greater appreciation for natural areas, including federal forest lands and resources.

20. Status of Project Planning

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

- | | |
|---|--|
| <input checked="" type="checkbox"/> Contract | <input type="checkbox"/> Federal Workforce |
| <input checked="" type="checkbox"/> County Workforce | <input checked="" type="checkbox"/> Volunteers |
| <input checked="" type="checkbox"/> Other (specify): <u>Natural Resource Youth Conservation Corps</u> | |

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

- Yes No

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

- a. Total County Title II Funds Requested: \$ \$41,200
- 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: \$ <u>\$31,200</u> | g. FY06 Request: \$ _____ |
| e. FY04 Request: \$ <u>\$10,000</u> | |

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Item	Fed. Agency Appropriated Contribution [Sec. 203(b)(4)]	Requested County Title II Contribution [Sec. 203(b)(4)]	Other Contributions [Sec. 203(b)(4)]	Total Available Funds
24. Field Work & Site Surveys	3,800	5,000	13,039	21,839
25. NEPA & Sec.7 ESA Consultation		0		0
26. Permit Acquisition		1,000	2,000	3,000
27. Project Design & Engineering		1,000	2,000	3,000
28. Contract Preparation		450	1,000	1,450
29. Contract Administration		1,000	2,000	3,000
30. Contract Cost		11,600	9,800	21,400
31. Workforce Cost	1,855	1,200	4,800	7,855
32. Materials & Supplies	5,581	4,200	2,775	12,775
33. Monitoring		10,000	1,000	11,000
34. Other				
35. Project Subtotal		35,649	25,375	85,319
36. Indirect Costs (Overhead) (per year for multiple year projects)		5,751 (total)		5,731
37. Total Cost Estimate	\$11,236	\$41,400	\$38,414	\$91,050

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

National Fish & Wildlife Foundation	\$19,499
Jackson County	\$5,000
BLM	\$11,455
Volunteers	\$7,815
City of Medford	\$1,344

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?

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RVCOG will have primary responsibility for site maintenance but when planting is completed, appropriate public land management will be asked to assist with site maintenance for five years. The Natural Resource Youth Conservation Corps may assist with maintenance. Project maintenance will include replanting sites to maintain a minimum stocking level of 350 trees per acre. RVCOG will maintain all records related to the project and will develop a planting site database.

The monitoring program will be designed to meet standard requirements. A monitoring/maintenance plan will be developed for each planting site. Monitoring forms will be developed for each site and will provide the following information: site location, date of planting/monitoring, photo-points and photo record taken, survey of seedling survival and growth, animal damage, competition from other vegetation and general site condition descriptions. Monitoring will continue for a five-year period following planting. In addition, maintenance of planting sites will focus on keeping stocking levels at targeted numbers, addressing encroachment from other vegetation, and addressing animal damage.

- 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?**

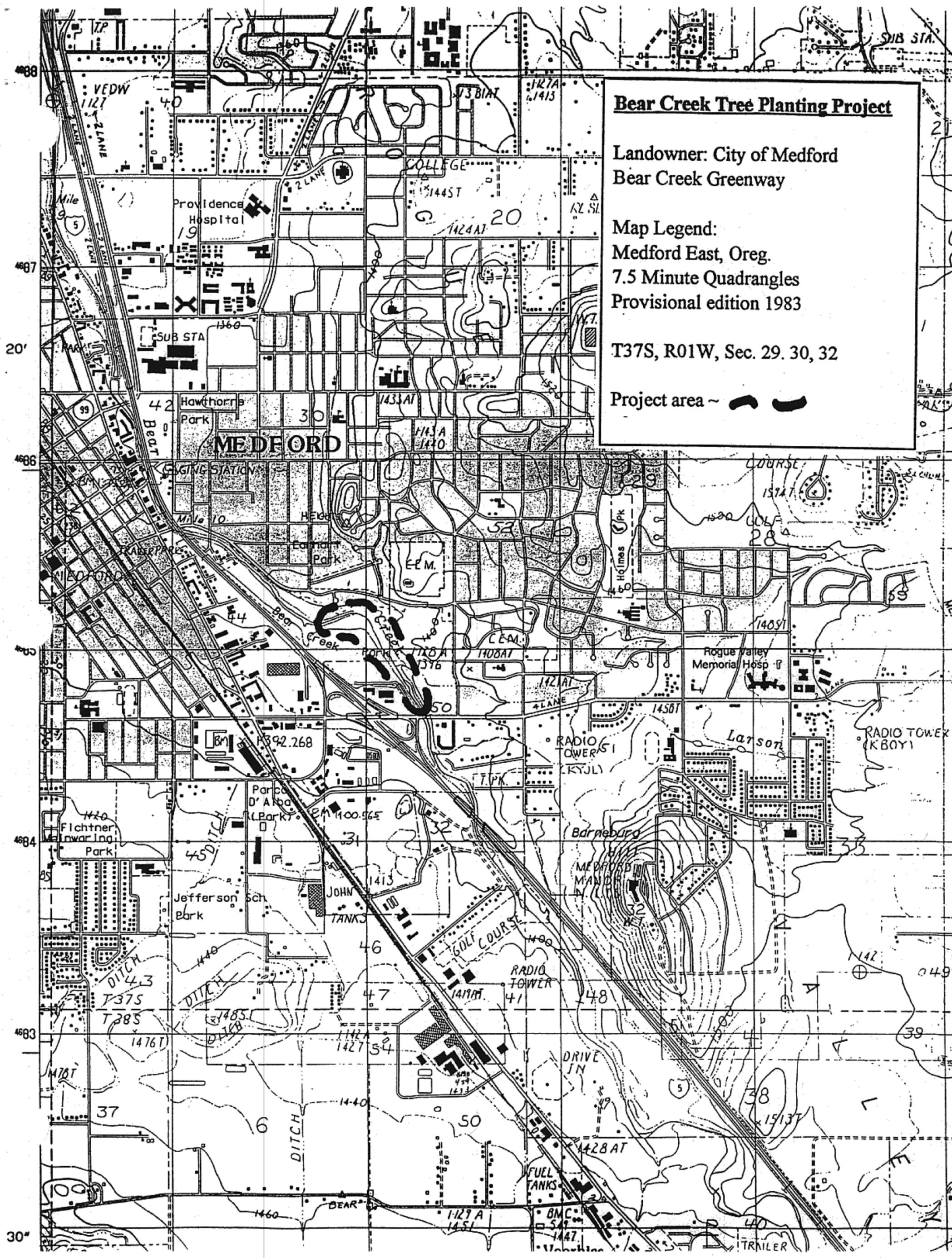
RVCOG will work with the NRYCC to ensure maximum utilization of their work crews on this project, and the Jackson Co. Youth Authority will also be involved.

- 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?**

RVCOG will coordinate with the federal and state agencies to monitor water quality, and will analyze information on fish returns to help gauge the success of the project.

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

Amount: \$11,000



Bear Creek Tree Planting Project

Landowner: City of Medford
 Bear Creek Greenway

Map Legend:
 Medford East, Oreg.
 7.5 Minute Quadrangles
 Provisional edition 1983

T37S, R01W, Sec. 29, 30, 32

Project area ~ 

MEDFORD

GOLF COURSE

Rogue Valley Memorial Hosp

Larson

Barneburg

RADIO TOWER

DRIVE IN

FUEL TANKS

TRAILER

STIB STA.

VEDW 1127

COLLEGE

Providence Hospital

SUB STA

Hawthorn Park

ENGINEERING STATION

CRABER PARK

Fichtner Park

Jefferson Sch Park

DITCH

DITCH

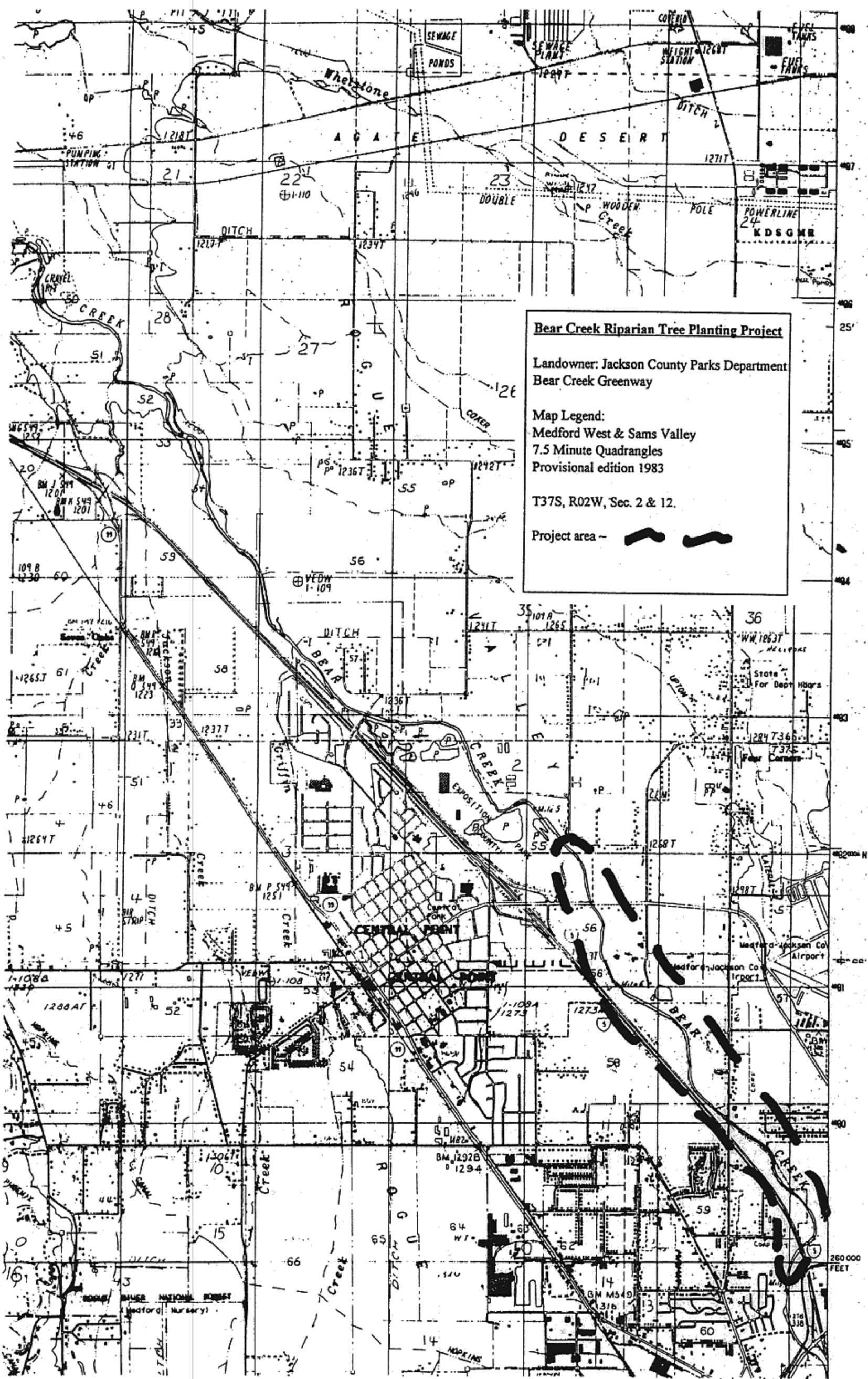
DITCH

BEAR

RADIO TOWER (KBOY)

FUEL TANKS

TRAILER



Bear Creek Riparian Tree Planting Project

Landowner: Jackson County Parks Department
 Bear Creek Greenway

Map Legend:
 Medford West & Sams Valley
 7.5 Minute Quadrangles
 Provisional edition 1983

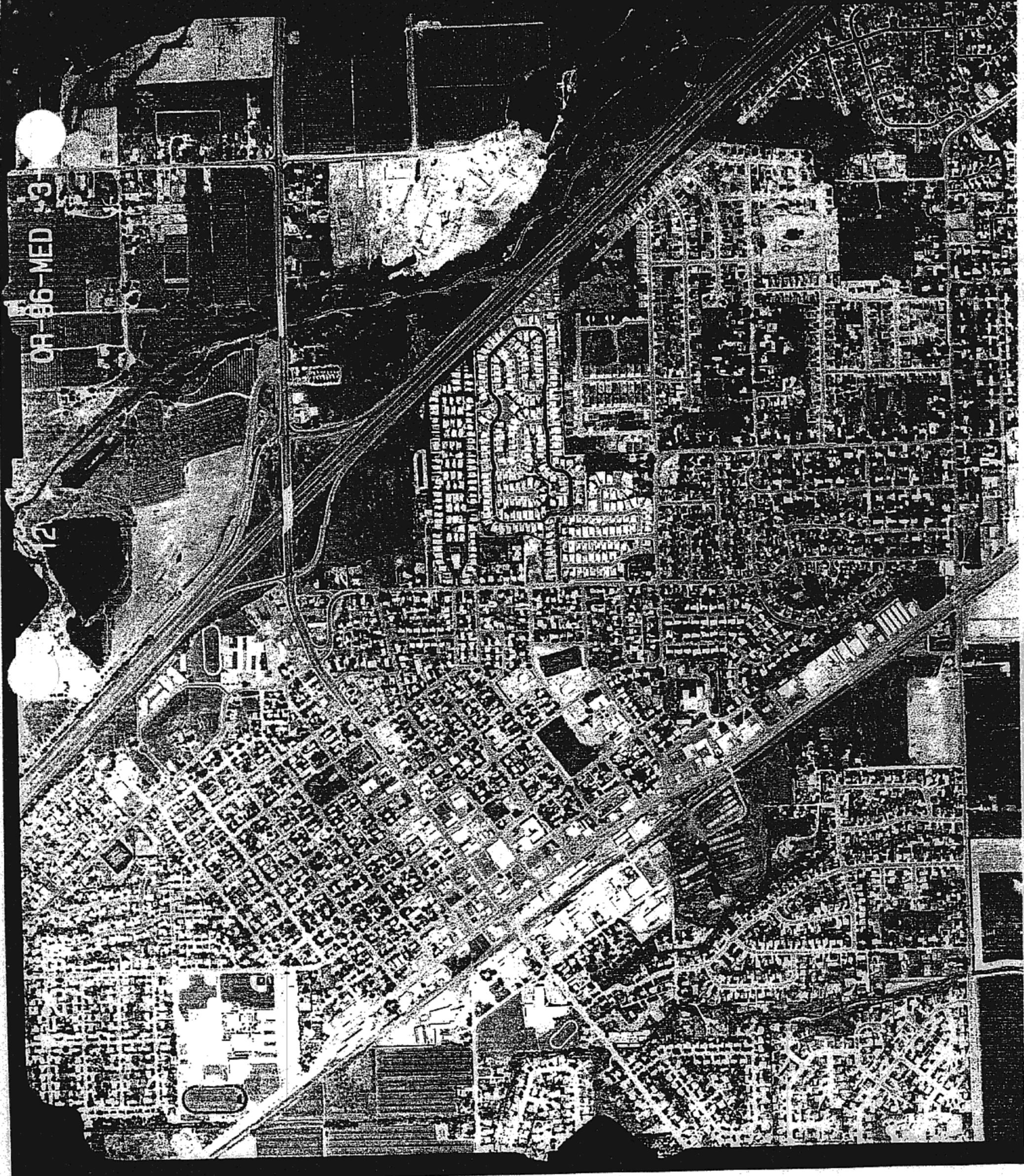
T37S, R02W, Sec. 2 & 12.

Project area ~

260 000
 FEET

OR-86-MED-3

12





Rogue Valley Council of Governments
 155 North First Street
 Central Point, OR 97502
 Attn: Corky Lockard

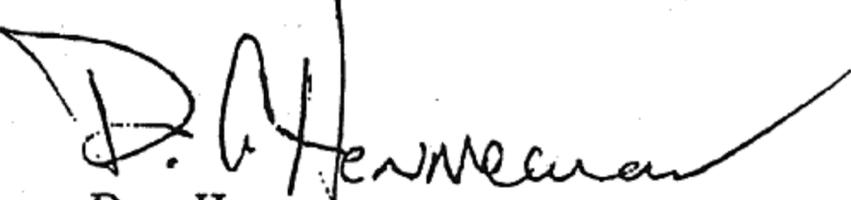
Dear Mr. Lockard;

The Bureau of Land Management (BLM) intends to continue support of efforts to improve water quality in the Bear Creek Watershed. We welcome the involvement of RVCOG, and the progress towards coordination of restoration efforts and resources you have made. In Fiscal Year 2001 (Oct. 1st, 2000 through Sept. 30th, 2001), the resources listed below will be made available to support RVCOG sponsored projects in the Bear Creek Basin. It is anticipated that this level of cost-share assistance will be available in subsequent years as well. It is possible that this level of support may increase, as needs arise, in 2002 and beyond.

Item and number	Cost per unit	BLM Cost-share (%)	\$ amount per year
Conifer Seedlings - 15M annually	\$240/M	50%	\$1,800.00
Native shrubs & hardwoods -10M annually	\$350/M	50%	\$1,750.00
Materials/Supplies (mulch/shades/tools, etc.)	*	100%	\$1,200.00
Large Volume Containers (conifer & Hrwd)	\$3.30 each	100%	\$825.00
Native grass & forb seed	\$9.00/Lb..	100%	\$1,400.00
Cooler storage space (800 sq. ft.)	\$0.85	100%	\$680.00
Labor, transp. & technical assistance	\$3800	100%	\$3,800.00

* The cost of materials and supplies varies according to the kinds and amounts requested. The dollar amount listed is an estimate of the value of supplies to be provided by BLM.

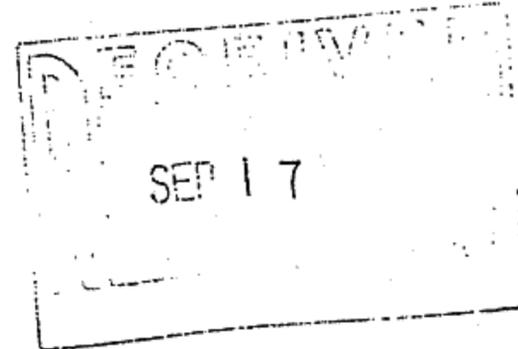
The plant materials, supplies, cooler storage, and personnel time detailed above total \$11,455.00 annually and are considered to be conservative estimates of the level of support envisioned.


 Dave Henneman
 Bureau of Land Management
 OR/WA Plant Production Coordinator



806 Southwest Broadway
Suite 750
Portland, OR 97205
(503) 417-8700 (503) 417-8787
www.nfwf.org

September 10, 2001



David Jacob
Rogue Valley Council of Governments
155 N. 1st St.
Central Point, OR 97502

Dear Mr. Jacob:

We are pleased to advise you that the Board of Directors of the National Fish and Wildlife Foundation has approved a Five Star Restoration Challenge Grant of \$10,000 to the Rogue Valley Council of Governments. This Grant is awarded specifically to support the *Bear Creek Riparian Tree Planting* project.

Please read the attached Agreement carefully. By signing this Agreement you acknowledge an understanding of, and compliance with, all of its terms and conditions, including the attachments referenced in *Section 12*. Because this Agreement involves the handling of federal funds, a copy of this Agreement and attachments must be reviewed by your Chief Financial Officer or Treasurer. If the terms and conditions of the Agreement are acceptable, sign and return the Agreement to the Foundation. If we do not receive the countersigned copy within thirty (30) days of mailing, this grant may be revoked.

This Grant is awarded under the Five Star Restoration Challenge Grants Program, and will be administered by the Foundation's Region. Appropriate credit must be given to the Foundation, and other donors, in any and all press releases, publications, and other public communications.

On behalf of the Board of Directors and the staff of the National Fish and Wildlife Foundation, I wish you the best of luck with your project. Please contact Suzanne Piluso should you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Krystyna U. Wolniakowski".

Krystyna U. Wolniakowski
Director, Pacific Northwest Region

Enclosures



Oregon

John A. Kitzhaber, M.D., Governor

Department of Environmental Quality

Western Region Medford Office

201 W Main Street, Suite 2-D

Medford, OR 97501

(541) 776-6010

FAX (541) 776-6262

TTY (541) 776-6105

August 25, 2000

David Jacob
%Rogue Valley Council of Governments
P.O. Box 3275
Central Point, OR 97502

Re: OWEB Grant Application for the Bear Creek Riparian Tree Planting Project

Dear Dave:

I am writing on behalf of the Department of Environmental Quality to endorse your application for an OWEB grant for a Riparian Tree Planting Project in the Bear Creek watershed. There are numerous water quality problems throughout the Bear Creek Valley; many of these problems are directly attributable to the degraded riparian zones which are common throughout this watershed. Your proposal to develop a prioritized riparian planting plan and work with landowners to plant, and maintain, approximately 15,000 native trees and shrubs should result in significant water quality improvements throughout the watershed. An additional benefit will be the increased awareness among property owners and the public of the importance of riparian zone preservation and restoration.

Elevated temperatures and sediment inputs are major concerns in Bear Creek and its tributaries. The primary goal of this project is to improve these condition by first assessing the watershed to target those areas where riparian plantings will have the greatest impact and the most likelihood of success. We believe that this project will provide direct benefits to Bear Creek by improving riparian conditions and providing opportunities for increased citizen participation.

DEQ is currently working on development of a Total Maximum Daily Load (TMDL) for Bear Creek to address temperature, sediment, and bacteria problems. We are also working with a committee of citizens and stakeholders to develop a Water Quality Management Plan to address the targets identified in the TMDL. A primary goal of the WQMP is to preserve and restore riparian zones as a way to increase stream shading and stabilize stream banks along Bear Creek and its tributaries. An additional benefit of healthy riparian zones is improved filtration of sediments and bacteria. Your proposed project directly supports this goal and will be an important component in the restoration of water quality in the watershed.

Sincerely,

Brad Prior

Natural Resources Specialist





September 24, 2001

Corky Lockard, Project Manager
Rogue Valley Council of Governments
P.O. Box 3275
Central Point, OR 97502

Dear Corky,

Thanks for your support in the effort to clean up and replant the area along Bear Creek that was damaged by fire two months ago. This has the potential to be a true community effort, and I'm pleased that we have such a diverse group interested in assisting.

While much of the affected land is county owned, we have to make arrangements for a variety of groups to work on the project. Towards that end, we welcome your assistance, and you have our permission to work with us, and provide labor in the burned area. We'll obviously communicate through the committee that's been formed but, in the meantime, let's get the area cleaned up to the extent possible. I spoke with Alan Ritchie of ODFW this morning, and there appears to be less damage to the trees than we originally thought. His plan is to reseed mid-October. Once again, thanks for your assistance. I look forward to working with you on this valuable project.

Sincerely,

Chris Borovansky, Director
Jackson County Fairgrounds

Oregon

DEPARTMENT OF
FISH AND
WILDLIFE



ROGUE DISTRICT
OFFICE

24 January 2,001

OWEB
775 Summer St NE
Suite 360
Salem, OR 97301-1290

Dear OWEB:

I am writing this letter in support of the Rogue Valley Council of Government's Bear Creek Basin Tree Planting Project. As a Salmon Trout Enhancement Program Biologist (STEP Biologist) with Oregon Department of Fish and Wildlife it is my job to line up volunteers to assist in habitat and riparian restoration projects in the Upper Rogue River basin. I also develop, coordinate and administer projects proposed by fishing groups and members of the public.

After years and years of removing large woody debris from streams, we have finally arrived at the conclusion that large woody debris is needed for the adequate functioning of salmon and steelhead streams. Large woody debris is currently added to our streams by two means. I develop projects to place large woody debris in streams at acceptable locations. However, this is only the short-term solution to the problem of no large woody debris in streams. In order to provide large woody debris to the streams from now into perpetuity, the riparian zones on the banks need to be planted with shrubs, deciduous trees and conifers. This is a worthwhile project and I sincerely hope you will fund it into the future. As long as you will fund it, I will find volunteers to do this much-needed work.

Sincerely,

A handwritten signature in cursive script that reads "Chuck".

Chuck Fustish
Fisheries Biologist



1495 E Gregory Road
Central Point, OR 97502
(503) 826-8774
FAX (503) 826-8776



JACKSON COUNTY

Roads

ROADS, PARKS AND PLANNING SERVICES

JOSEPH L. STRAHL, P.E.
DIRECTOR

White City Office Medford Office
200 Antelope Road 10 S. Oakdale Avenue
White City, Oregon 97503 Medford, Oregon 97501
Fax: (541) 774-6295 Fax: (541) 774-6791
E-mail: strahljl@jacksoncounty.org
Phone: (541) 774-8184

May 30, 2001

Dave Jacobs
Rogue Valley Council of Governments
P. O. Box 3275
Central Point, OR 97502

Dear Dave:

The following Jackson County-owned properties along Bear Creek have potential for your tree planting proposal:

37 2W 11A; 102	37 2W 12B; 401	37 2W 12B; 502
37 2W 12C; 301	37 2W 12C; 805	37 1W 04; 301
38 1W 04; 401	38 1W 05; 601	38 1W 05; 609
38 1W 09A; 302	38 1W 15A; 500	38 1W 15D; 301
38 1E 30; 4001	38 1E 30; 4000	38 1E 31B; 200
38 1E 31B; 300	38 1E 32; 1401	38 1E 32; 204

Should RVCOG be awarded the \$53,000 you are requesting from OWEB, we will coordinate with you and the cities to make sure the trees are planted and maintained properly. Expanding the number of healthy trees in the Bear Creek riparian zone will have enormous value for water temperatures, habitat, and the Bear Creek Greenway over all. Thank you for your efforts!

Sincerely,

Karen S. Smith
Special Projects Manager

cc: Dale Petrasek, County Engineer