

FISHERY PROJECT GRANT PROPOSAL  
SUMMARY SHEET

1. CONTRACTOR: Siskiyou Resource Conservation District
2. TYPE OF CONTRACTOR: Resource Conservation District - Non-Profit  
Public Agency
3. STREET ADDRESS: P.O. Box 268
4. CITY: Etna
5. STATE: California
6. ZIP CODE: 96027
7. CONTACT PERSON: Gena Evans  
Alternate: Alvin Lewis
8. TELEPHONE NUMBER: (916) 467-3975  
Alternate: (916) 468-2353  
(916) 842-8501 message
9. PROJECT TITLE: SCOTT RIVER STREAMBANK PROTECTION, RIPARIAN  
FENCING, and PLANTING - BLACK RANCH -  
KLAMATH BASIN AREA
10. FUNDING REQUEST: \$113,408.65
11. OBJECTIVE: Install large rock riprap, fence area to restrict  
livestock access to riparian zone, and plant trees and  
shrubs to provide both reduced sediment from streambank  
erosion and develop riparian vegetation for stream  
shading.
12. SPECIES BENEFITTED: Fall-Run Chinook Salmon and Steelhead Trout
13. WORK SCHEDULE: April 1994 - November 1995
14. COUNTY: Siskiyou
15. STREAM: Scott River
16. TRIBUTARY TO: Klamath River
17. MAJOR DRAINAGE SYSTEM: Klamath
18. ASSEMBLY DISTRICT: 1
19. SENATE DISTRICT: 1
20. PAST CONTRACTOR: YES
21. FEDERAL TAXPAYER ID #: 94-2430963



**SCOTT RIVER STREAMBANK PROTECTION, RIPARIAN FENCING, & PLANTING  
BLACK RANCH  
KLAMATH BASIN AREA**

**ADDITIONAL INFORMATION**

**BACKGROUND**

The Scott River is a major tributary to the Klamath River and is within the area served by the Klamath Basin Fisheries Task Force. Past disturbances from floods, channelization by the Bureau of Reclamation, mining, agriculture, and upper watershed disturbances from logging have had a detrimental effect on the riparian corridor. The river is a major conduit for passage and spawning by chinook salmon and steelhead in both the main stem of Scott River and its tributaries. Both salmon and steelhead use the main river as rearing habitat. Both these fisheries are in a decline.

Riparian vegetation is difficult to establish due to: 1) livestock access to the streambanks, which retards vegetative growth, and 2) beavers working in this area inhibits shading possibilities for a few years. This lack of riparian vegetation in some cases allows streambank erosion to begin and allows heating of waters to temperatures above safe conditions for rearing salmon and steelhead fry.

In 1991, the Department of Water Resources, with a grant from the Klamath Basin Fisheries Task Force, did a Scott River Flow Augmentation Study. In this study they reported that instream water temperature is a major factor in the quality of fish habitat in the Scott River and that during the summer months, due to lack of tree cover to shade the river, the water temperatures may exceed lethal limits for salmonids.

Also in 1991 the Klamath Basin Fisheries Task Force sponsored an inventory of the riparian areas along the main stem of the Scott River to determine which areas would benefit most from streambank protection, fencing, and planting of riparian vegetation. Landowner willingness to participate in riparian restoration was included in this study. From this information, areas of high priority were identified.

In the summers of 1990, 1991 and 1992 similar projects were funded to provide monies to local landowners with eroding streambanks to install riprap and/or fencing for the purpose of livestock exclusion. These projects have been well received and contract goals for miles of fencing installed were exceeded. Since then, the cost of rock has more than doubled, due to CAL OSHA requirements for the supplier and Surface Mining and Reclamation Act requirements. Alternate supplies of rock were eliminated due to the high cost of transportation.

**OBJECTIVE**

The objectives of this project will be: 1) to stabilize the bank with the placement of rock riprap, 2) plant two rows of cottonwood and golden willow (tall species), and 3) install livestock exclusion systems, with associated management plans to encourage the growth of riparian vegetation, which will reduce water temperatures and decrease streambank erosion.

## LOCATION

The project location is on the right and left banks of Scott River, approximately 6 miles South of Fort Jones by Eastside Rd. (NW 1/4 of Sec.2, T42N, R9W). Access is by private road. Concerning swallow habitat, the Department of Fish & Game will make an on-site determination prior to development of plans and specifications .

## PROCEDURE

The project is located on the right and left banks of the Scott River on property belonging to Dave Black. In the Scott River Riparian Zone Inventory and Evaluation by Alvin Lewis, conducted for the U.S. Fish and Wildlife Service in 1991, this project area rated 1st in priority out of 54 landowners. Mr. Black rated himself with a high willingness to cooperate with this project and allow access for all work as well as for future assessments.

On the left bank, 1200 lineal feet of bank protection with large rock is needed along with 1400 lineal feet of fencing and planting. On the right bank, 800 lineal feet of bank protection with large rock is needed and 1400 lineal feet of fencing and planting. For irrigation to establish the plantings, the landowner will furnish water from the existing irrigation system for the right bank. On the left bank, a portable pump is needed to pump water from the Scott River. There is an existing levee on both banks.

The design of the riprap, fencing and riparian planting will be subcontracted out to a qualified individual, in consultation with the landowner and the California Department of Fish and Game. Bank shaping and rock work will be done by private subcontractor with previous experience in this type of project. The Siskiyou Resource Conservation District will obtain all necessary permits.

The landowner will be required to "cost-share" 35 percent of the cost of the fencing materials and 50 percent of equipment and labor. We have always used the CDF Deadwood Conservation Camp crews as our labor force in building the fences.

Included in this proposal is a request for funding for an education coordinator to work with students from five schools; three elementary schools, a junior high, and a high school. This "outdoor education" would include in-class instruction before and after planting, hands-on collecting and planting of trees, and a follow-up assessment of the area at a future time. This site fits in well with the program as: 1) it is easily assessable for students, 2) it has definite environmental concerns, and 3) the students will be able to see a tremendous change and improvement over a period of time. The coordinator is experienced in programs similar to this and will supply all small tools necessary. The students will be broken up into groups with a parent supervisor, therefore educating students and parents concerning restoration.

## SCHEDULING

The rock work can only be accomplished during periods of low flow between July and September, 1994. The fencing and planting will occur in early Spring of 1995.

ESTIMATED BUDGET

SCOTT RIVER STREAMBANK PROTECTION, RIPARIAN FENCING, PLANTING  
BLACK RANCH  
KLAMATH BASIN AREA

FISCAL YEAR 1994

PERSONNEL COSTS

Level of Staff	Number of Hours	Hourly Rate	CDFG	Other Funding
Project Administrator Streambank Engineering, Layout and Supervision	100	\$30.00	\$ 3,000.00 ✓	
Fencing and Planting Layout and Supervision	65	\$10.00	\$ 650.00	
Irrigation of plants				
Left Bank	48	\$ 6.00	\$ 288.00	
Right bank	24	\$ 6.00		\$ 144.00 <sup>1</sup>
Benefits 31% on \$938			\$ 290.78	
Fencing Crew (Deadwood Conservation Camp)	816	\$ 6.50	0.00	\$5,304.00 <sup>2</sup>
Education Coordinator	50	\$20.00	\$ 1,000.00 <sup>3</sup>	
Planting of trees & shrubs	16	\$ 6.00	0.00	\$ 96.00 <sup>4</sup>
<b>Total Personnel Costs</b>			<u>\$ 5,228.78</u>	<u>\$5,544.00</u>

MATERIALS AND SUPPLIES

Rock:

6,000 cubic yards rock @ \$12.00/yd  
(based on 2,000 lineal feet of  
streambank at 3 cu yds/ft) \$72,000.00 ✓

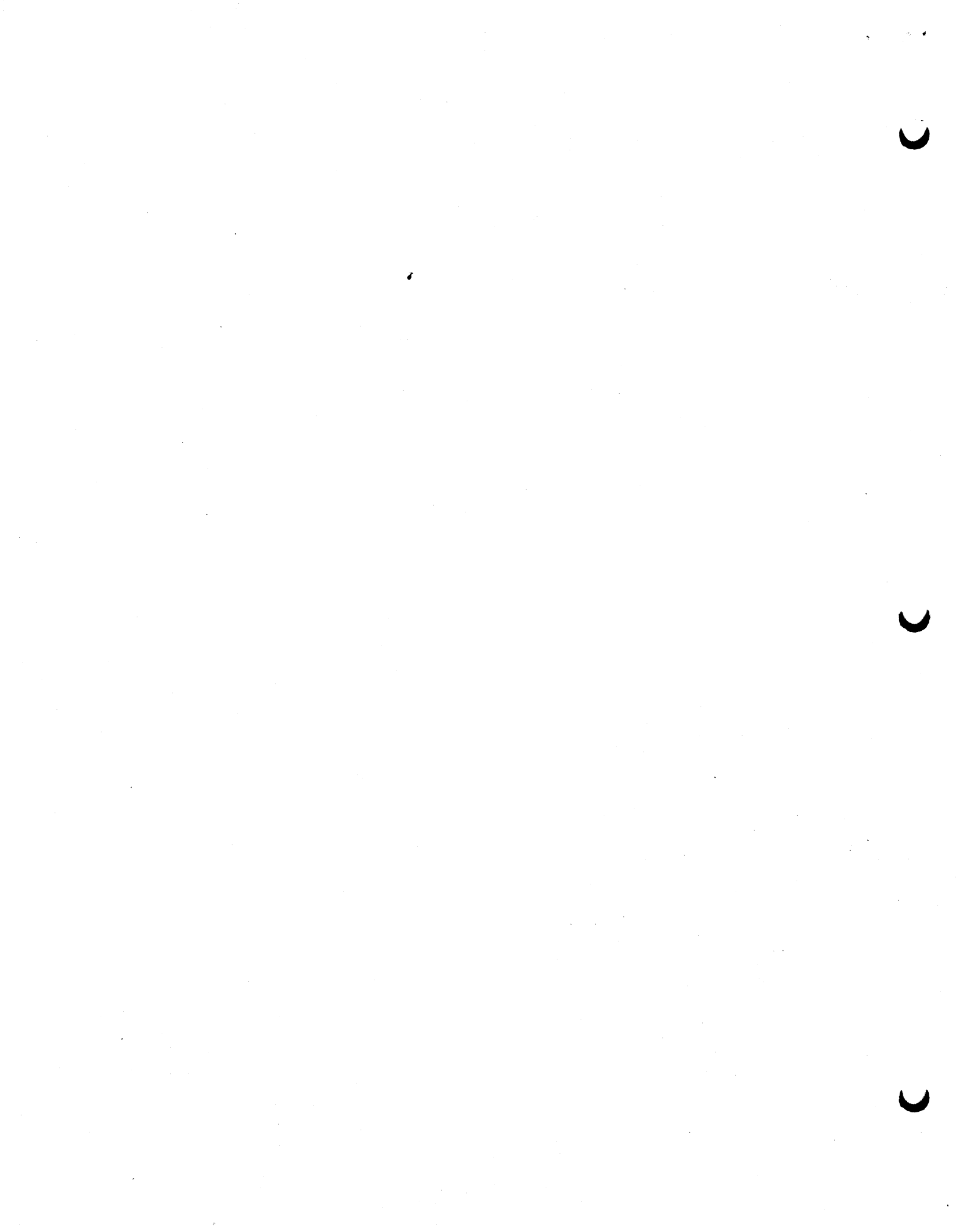
4 tie-in trenches @ 60 cu yds/ft  
(240 cu yd @ \$12.00/yd) \$ 2,880.00 ✓

Fencing:

Livestock exclusion:  
(Posts, Wire, Clips,)  
2,800' at \$1.75 per foot \$ 3,185.00 \$1,715.00<sup>5</sup>

Solar panel and electric  
fence to cross river <sup>6</sup> \$ 500.00

Beaver exclusion: \$ 3,360.00  
Protection for 560 planted  
cutting sites @ \$6.00 for  
wire and 4' lathes



Miscellaneous Materials:

Irrigation lateral line -  
(1400' at \$35.00/30')

Pump and hose

Trees and plants:

(560 cuttings)  
collecting and transporting  
to site.

Total Materials and Supplies

OPERATING EXPENSES

Subcontractor costs:

Preparation of banks and rock placement  
(2,000 lineal feet at \$5.00/ft.)

Permits:

Archeology  
Rock pit - County Use Permit <sup>9</sup>  
Engineering/Reclamation Plan <sup>10</sup>  
Estimated premium - Public  
liability/property damage <sup>10</sup>

Equipment rental:

Power Auger at \$40.00/hour for 38 hrs.  
for fencing and planting

Fuel Costs:

(Fuel for Dept. of Corrections  
Vehicle to Transport Labor Crew)

Total Operating Expenses

Sub Total

Administrative Overhead at 10%

TOTAL ESTIMATED BUDGET

TOTAL PROJECT COST: \$136,995.65

TOTAL FUNDING REQUEST: \$113,408.65

*Administrative* 3,000.00 +  
*work* 7,200.00 +  
*tie-in* 2,880.00 +  
\$ 1,644 sub-cont. 10,000.00 +  
*permits* 3,000.00 +  
\$ 45 sub-total 9,088.00 +  
\$ 9,088.00 X  
*overhead* 10.0%  
9,088.00 \*  
\$84.02 9,088.00 +  
*total* 9,968.00 \*

NOTES: This project is part of a cooperative effort involving different sources of input. Below is a breakdown of those inputs and miscellaneous information.

<sup>1</sup> Landowner will irrigate plants on right bank.

<sup>2</sup> A work crew from the Deadwood Conservation Camp (Ca. Dept of Corrections) will be used to build fence and wire cages for beaver exclusion.

3

2

2

2



- 3 In-class instruction before and after planting, supervision during planting, and follow-up assessment later.
- 4 Volunteer labor will be used in collecting and transporting plants and in planting.
- 5 Landowner will "cost-share" 35% of the material costs and 50% equipment rental.
- 6 An electric fence across the river is needed to keep out the adjoining landowner's roaming cattle. There is a possibility of extending the electric fence at a later date for the adjoining landowner using this solar panel.
- 7 Irrigation pipe to be used in future years for establishing riparian planting on other projects also.
- 8 Pump and hose will also be used on other projects funded this year. The same pump and hose are included on different projects but only one pump and 300' of hose will be bought with whichever project is funded.
- 9 Use Permit application
- 10 Landowner will have pit engineered and pay premium for pit, which includes liability and property damage insurance.

SISKIYOU  
RESOURCE CONSERVATION DISTRICT  
P.O. Box 268  
Etna, CA 96027

STREAM HABITAT RESTORATION PROJECT AGREEMENT  
Scott River Restoration Project for 1994-1995

I. PURPOSE

The following contract details the requirements of both the landowner and the Siskiyou Resource Conservation District in regards to the establishment of a stream habitat improvement project on the real property controlled by the landowner named below. Said property is located approximately 6 miles South of Fort Jones by Eastside Rd. (see map attached to proposal).

I, DAVE BLACK, hereinafter called "Landowner", am aware that a stream habitat restoration project has been submitted to the Department of Fish and Game for funding consideration. I understand the objectives of the project as proposed in the proposal -

Scott River Streambank Protection, Riparian Fencing, and Planting  
Black Ranch

The project has been explained to me by a representative of the RCD. I support the goals of the project.

II. ACCESS PERMISSION

Landowner hereby grants Siskiyou RCD and the California Department of Fish and Game or their representatives permission to enter onto the real property owned by the Landowner to perform pre-project evaluation; and if an agreement for the project is entered into between the Siskiyou RCD and the CDFG, the Landowner grants permission to perform the stream habitat restoration work, to conduct project inspections, and to monitor project for needed maintenance for a 10 year period following project completion. Access shall be limited to those portions of landowner's real property where the actual stream restoration work is to be performed and those additional portions of the real property which must be traversed to gain access to the work site.

III. DURATION OF NOTICE

The term of this agreement shall be 21 months for work performance, and ten years for maintenance, inspection, and monitoring purposes from the last date of execution shown below. This is provided that Siskiyou RCD or the Department shall give Landowner reasonable actual notice prior to each needed access. Reasonable and actual notice may be given by mail, in person, or by telephone.

This agreement can be amended only by prior written agreement of both parties executing this permit. This agreement may be canceled by either party with 30 days written notice to the other party.

IV. LIABILITIES

Reasonable precautions will be exercised by Siskiyou RCD to avoid damage to persons and property.

Siskiyou RCD agrees to indemnify and hold harmless the landowner and agrees to pay for reasonable damages proximately caused by reason of the uses authorized by this permit, except those caused by the gross negligence or intentional conduct of the landowner.

Date 3/29/93

David A. Black  
Landowner signature

Date 4/1/93

Donna Evans - District Manager  
Siskiyou RCD

Landowner agrees to:

1. Maintain livestock exclusion fence(s) for a period of ten years from the last date of execution shown below. Maintenance will include repair of fences to a level that will effectively ~~ex~~clude livestock from the livestock exclusion project area. Maintenance will not include damage that exceeds 50% of the fence due to natural disaster.
2. Totally exclude livestock from the project area until newly planted trees become well established. If controlled, limited grazing is essential, landowner will submit a written plan, to the Department of Fish and Game for approval, that will detail how the limited grazing will not cause damage to desirable vegetation or stream banks within the project area.
3. Once it has been established by California Department of Fish and Game that limited grazing within the project area is acceptable, grazing will be limited to an amount that will not cause damage to the newly planted trees or stream banks. Generally acceptable limits will be to remove 50% of the current years growth of grasses and forbes. Livestock shall be removed before they begin to browse on woody plants. Newly planted trees that are damaged by browsing will be replaced at the landowners expense.

### III. DURATION OF NOTICE

The term of this agreement shall be 21 months for work performance, and ten years for maintenance, inspection, and monitoring purposes from the last date of execution shown below. This is provided that Siskiyou RCD or the Department shall give Landowner reasonable actual notice prior to each needed access. Reasonable and actual notice may be given by mail, in person, or by telephone.

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Date 3/29/93

David A. Black  
Landowner signature

Date 4/1/93

Dona Evans - District Manager  
Siskiyou RCD



# ENVIRONMENTAL CHECKLIST FORM

**PROJECT LOCATION:** Fort Jones Siskiyou  
City County

**PROJECT ADDRESS:** 6 miles south of Fort Jones by Eastside Rd  
on the Scott River NW 1/4 of Sec. 2, T42N, R9W

**PROJECT DESCRIPTION:** Streambank protection with large rock riprap, riparian  
fencing and planting

**ENVIRONMENTAL IMPACTS:**

*(CEQA requires that an explanation of all "yes" and "maybe" answers be provided along with this checklist, including a discussion of ways to mitigate the significant effects identified. You may attach separate sheets with the explanations.)*

	<u>Yes</u>	<u>Maybe</u>	<u>No</u>
<b>I. EARTH. Will the proposal result in:</b>			
a. Unstable earth conditions or changes in geological substructures?	—	—	<u>X</u>
b. Disruptions, displacements, compaction or overcovering of the soil?	—	—	<u>X</u>
c. Change in topography or ground surface relief features?	—	—	<u>X</u>
d. The destruction, covering or modification of any unique geologic or physical features?	—	—	<u>X</u>
e. Any increase in wind or water erosion of soils, either on or off the site?	—	—	<u>X</u>
f. Changes in deposition or erosion of beachsands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet or lake?	<u>X</u>	—	—
g. Exposure of people or property to geologic hazards, such as earthquakes, landslides, mudslides, ground failure, or similar hazards?	—	—	<u>X</u>
<b>II. WATER. Will the proposal result in:</b>			
a. Substantial changes in currents, or the course or direction of water movements, in either marine or freshwaters?	—	—	<u>X</u>
b. Changes in absorption rates, drainage patterns, or the rate and amount of surface runoff?	—	—	<u>X</u>
c. Changes in the amount of surface water in any water body?	—	—	<u>X</u>
d. Discharge into surface waters, or in any alteration of surface water quality, including, but not limited to, temperature, dissolved oxygen, petroleum products or turbidity?	—	—	<u>X</u>
e. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations?	—	—	<u>X</u>

VIII. RISK OF UPSET. *Will the proposal involve:*

- a. A risk of an explosion or the release of hazardous substances (including, but not limited to oil, pesticides or chemicals) in the event of an accident or upset conditions? —      —      X
- b. Possible interference with an emergency response plan or an emergency evacuation plan? —      —      X

IX. TRANSPORTATION/CIRCULATION. *Will the proposal result in:*

- a. Generation of substantial additional vehicular movement? —      —      X
- b. Substantial impact upon existing transportation systems? —      —      X

X. PUBLIC SERVICES. *Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas:*

- a. Parks or other recreational facilities? —      —      X
- b. Maintenance of public facilities, including roads? —      —      X

XI. HUMAN HEALTH. *Will the proposal result in:*

- a. Exposure of people to potential health hazards? —      —      X

XII. AESTHETICS. *Will the proposal result in:*

- a. The obstruction of any scenic vista or view open to the public? —      —      X
- b. The creation of an aesthetically offensive site open to public view? —      —      X

XIII. RECREATION. *Will the proposal result in:*

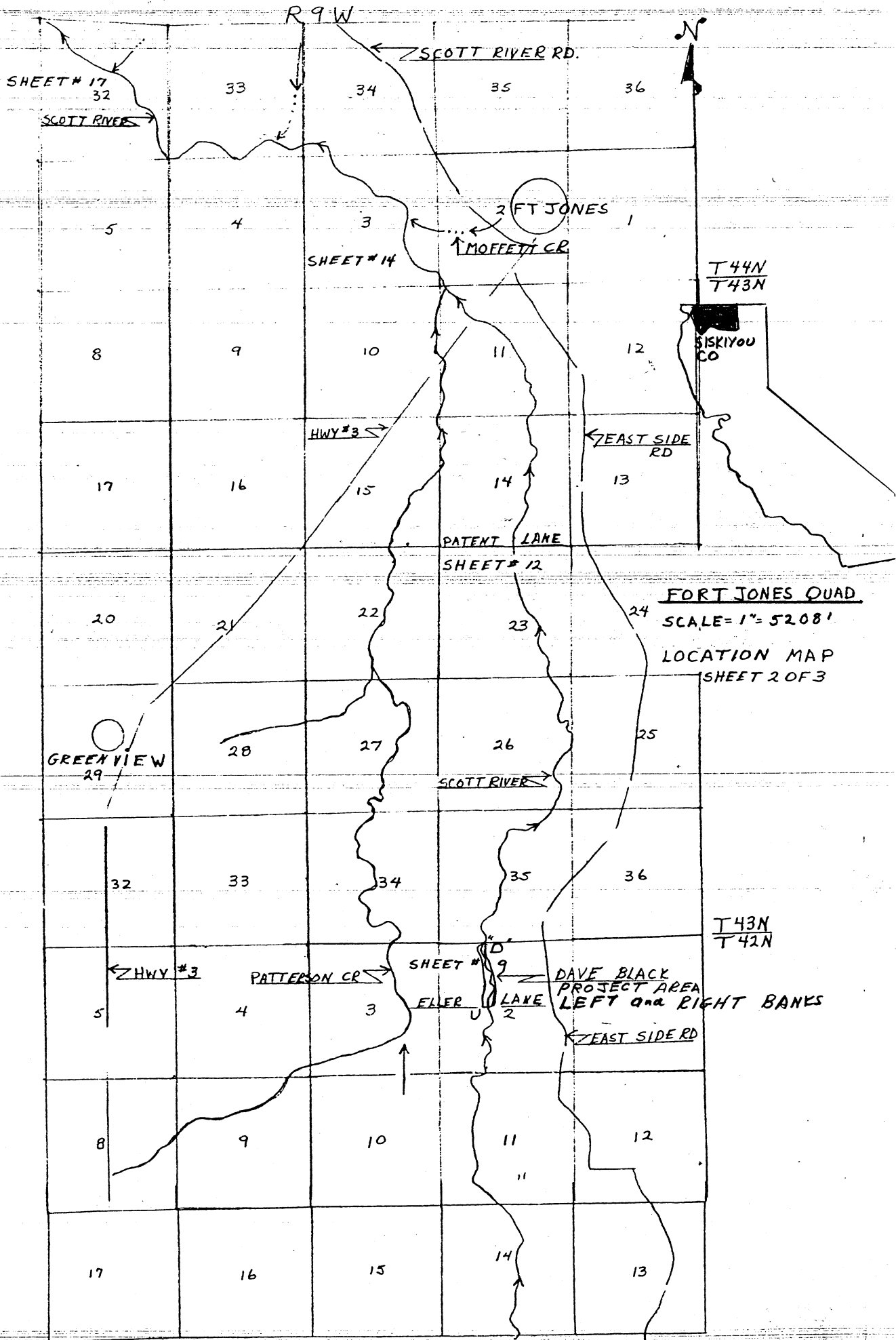
- a. Impact upon the quality or quantity of existing recreational opportunities including boating or kayaking? —      —      X

XIV. CULTURAL RESOURCES. *Will the proposal:*

- a. Result in the alteration of or the destruction of a prehistoric or historic archaeological site? —      —      X
- b. Result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object? —      —      X
- c. Have the potential to cause a physical change which would affect unique ethnic cultural values? —      —      X
- d. Restrict existing religious or sacred uses within the potential impact area? —      —      X







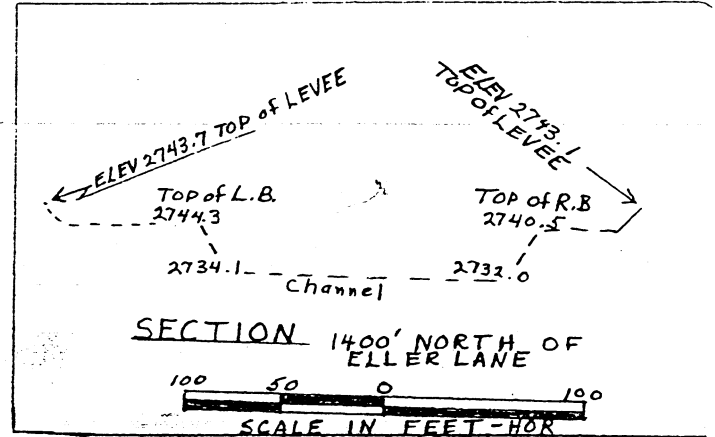
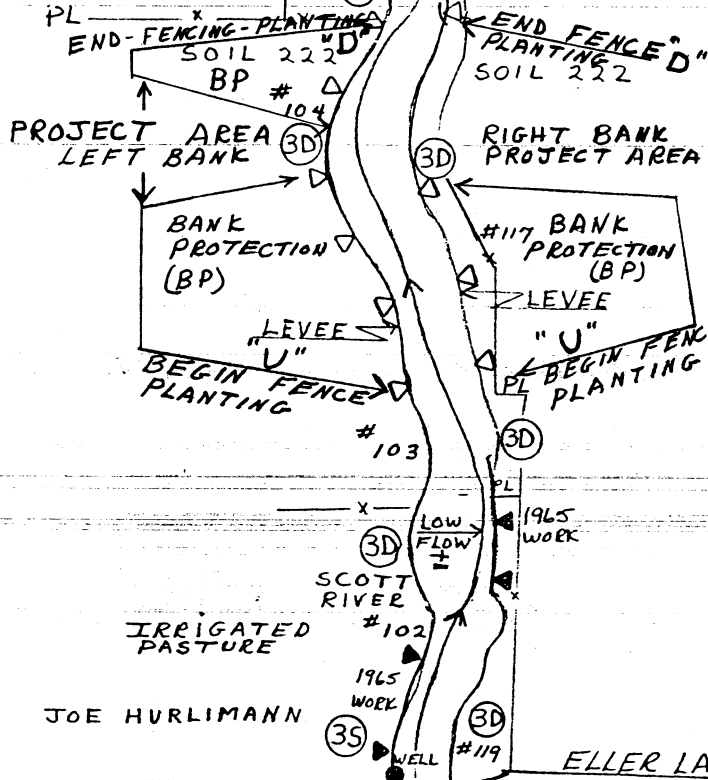
STREAMBANK PROTECTION, RIPARIAN FENCING & PLANTING



BLACK RANCH  
SISKIYOU RCD

IRRIGATED HAYLAND  
DAVE BLACK - OWNER

SHEET #9 OF 22



IRRIGATED HAYLAND

DAVE BLACK - OWNER

DESCRIPTORS	TREND
25 - GOOD	STABLE
3D - DISTURBED	DEGRADING
4D - DEGRADED	DEGRADING

H  
5500  
EASTSIDE RD

SITE # 102-104  
116-124  
137-146

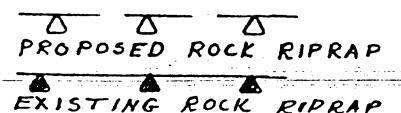
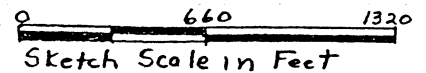
IRRIGATED HAYLAND

IRRIGATED HAYLAND

SOIL 222  
#138 1972 WORK  
JOE HURLIMANN  
G.A. JENNER

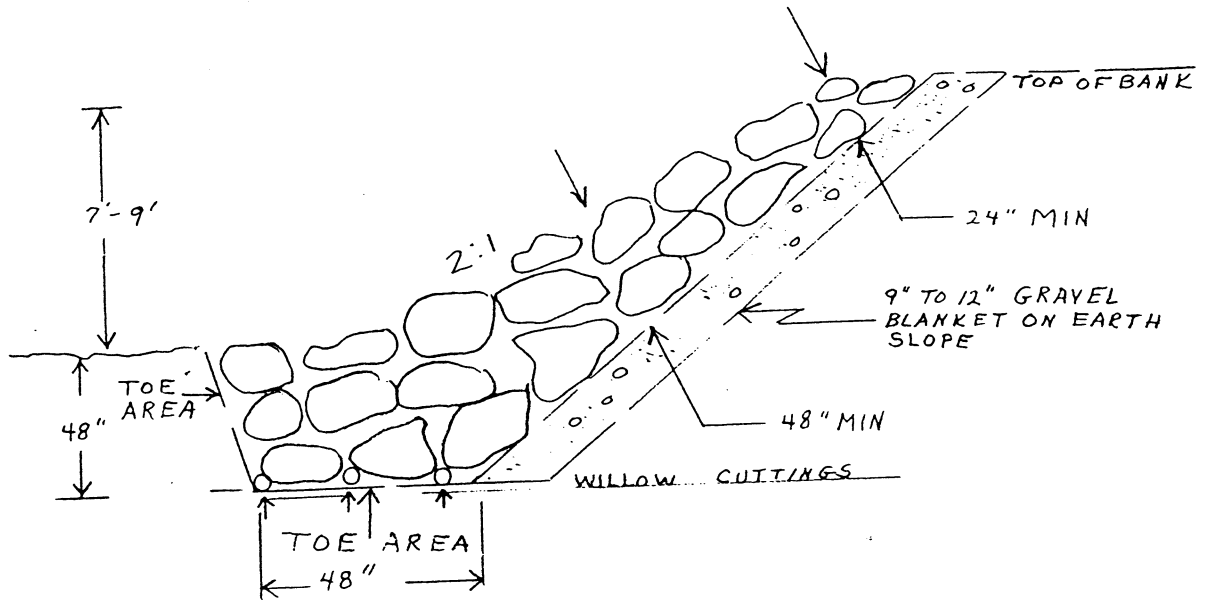
JOE HURLIMANN - OWNER  
GLORY ANN JENNER - OWNER

PLAN

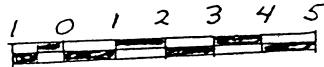


BANK PROTECTION

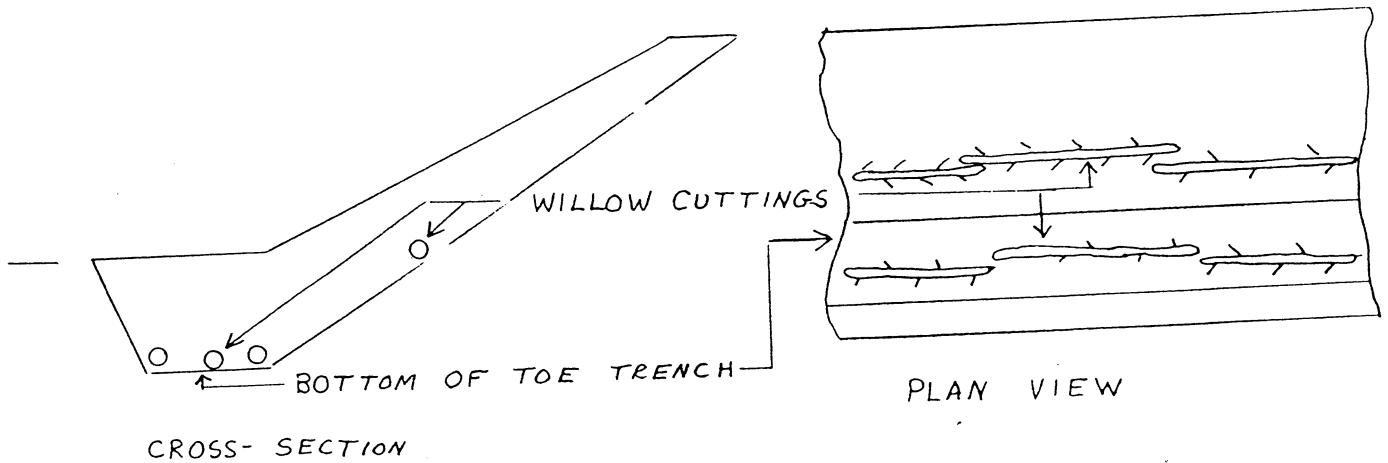
ROCK RIPRAP



TYPICAL ROCK RIPRAP  
CROSS-SECTION



2.5 CUBIC YARDS/LINEAR FOOT

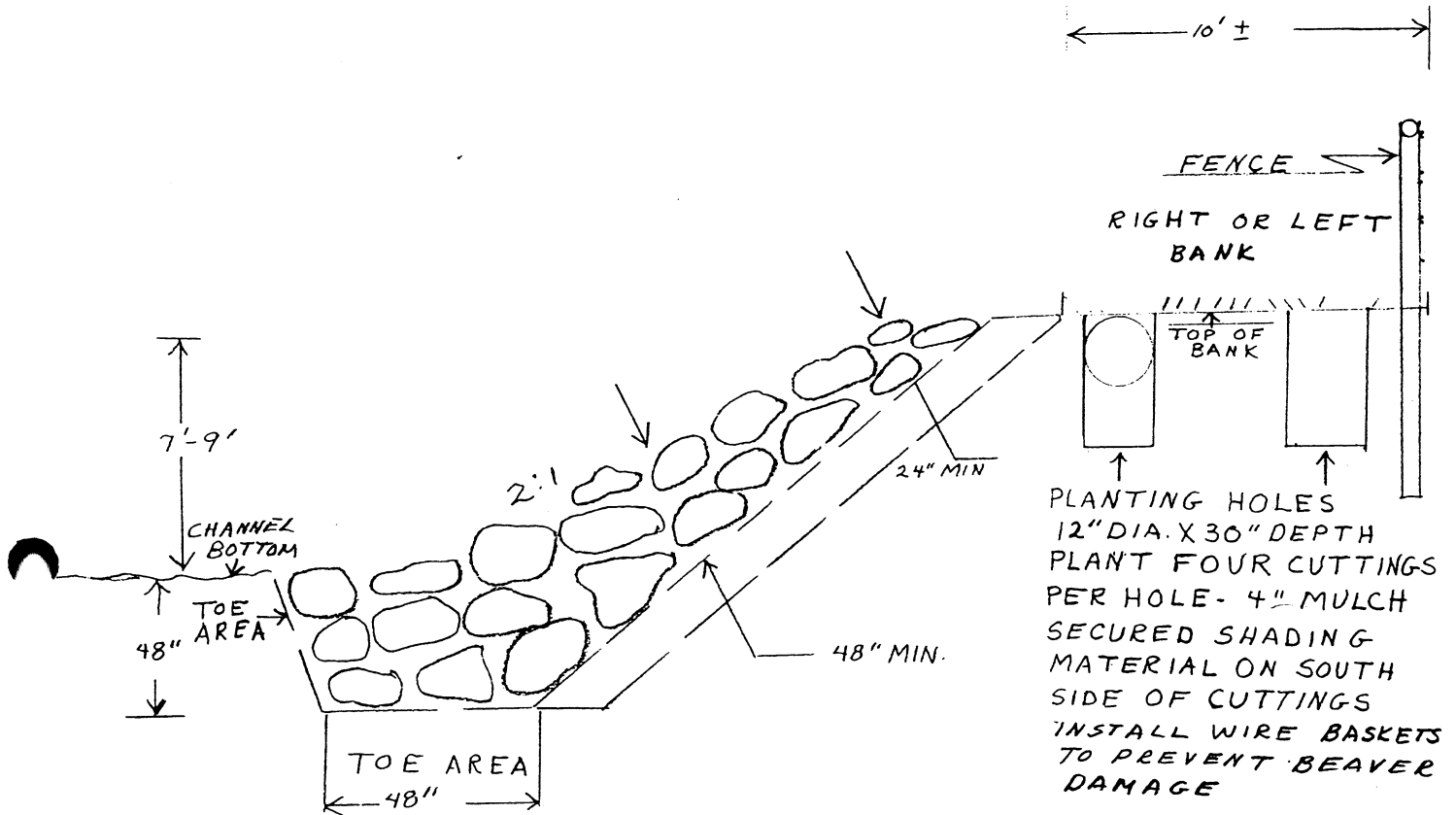


Willow Plantings (Not to Scale)

Willow cuttings will be placed in the toe trench prior to placing rock riprap. Branches will be layed end to end and be continuous throughout the length of the toe trench.

Purpose: Prevent Streambank Erosion

TOP OF BANK PLANTING  
NO SCALE



SKETCH BY AGL 7-13-92



**DRUG-FREE WORKPLACE CERTIFICATION**

COMPANY/ORGANIZATION NAME

SISKIYOU RESOURCE CONSERVATION DISTRICT

The contractor or grant recipient named above hereby certifies compliance with Government Code Section 8355 in matters relating to providing a drug-free workplace. The above named contractor or grant recipient will:

1. Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations, as required by Government Code Section 8355(a).
2. Establish a Drug-Free Awareness Program as required by Government Code Section 8355(b), to inform employees about all of the following:
  - (a) The dangers of drug abuse in the workplace,
  - (b) The person's or organization's policy of maintaining a drug-free workplace,
  - (c) Any available counseling, rehabilitation and employee assistance programs, and
  - (d) Penalties that may be imposed upon employees for drug abuse violations.
3. Provide as required by Government Code Section 8355(c), that every employee who works on the proposed contract or grant:
  - (a) Will receive a copy of the company's drug-free policy statement, and
  - (b) Will agree to abide by the terms of the company's statement as a condition of employment on the contract or grant.

**CERTIFICATION**

I, the official named below, hereby swear that I am duly authorized legally to bind the contractor or grant recipient to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME

Dave Krone

DATE EXECUTED

April 1, 1993

EXECUTED IN THE COUNTY OF

SISKIYOU

CONTRACTOR/GRANT RECIPIENT SIGNATURE

*Dave Krone*

TITLE

Chairman

FEDERAL ID. NUMBER

94-2430963