

GREAT NORTHERN CORPORATION

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**FINAL REPORT
TO
US FISH AND WILDLIFE SERVICE
FOR
IMPLEMENTATION OF
SHASTA RIVER FISHERIES
HABITAT RESTORATION
PROJECTS**

**Shasta River Riparian Fencing Project
14-48-0001-95580, 95-HR-25**

December 1999

Shasta River Riparian Livestock Control Fencing 14-48-0001-95580, 95-HR-25

The following report is submitted to the United States Fish and Wildlife Service concerning the Shasta River Riparian Livestock Control Fencing project 14-48-0001-95580, 95-HR-25 implemented by Great Northern Corporation on behalf of the Shasta River Watershed Group (CRMP).

Shasta River Riparian Livestock Control Fencing

Abstract:

A total of 6,950 feet of livestock control fencing were placed during this project to protect the riparian areas of the Little Shasta River. A total of 1,300 feet of livestock control fence were placed along the mainstem Shasta River and 4,000 feet of livestock control fencing was placed along Oregon Slough, also a tributary to the Shasta River.

The importance of these projects to the Shasta River Watershed Group can not be overstated. With the assistance of J. Ayn Perry of the USDA Natural Resources Conservation Service the Shasta River CRMP completed the first projects on the Little Shasta and has now moving forward from the headwaters to protection of a majority of that stream.

Introduction:

The Shasta River Watershed Group (CRMP) has attempted to maintain a continuing program of creating livestock control fencing along the Shasta River since 1989. The Klamath River Task Force funded this grant to continue that program.

Livestock control fencing along the banks of the Shasta River and the Little Shasta River and Oregon Slough, tributaries of the Shasta River, is designed to protect the banks from mechanical damage by heavy livestock. These fences will also allow additional vegetative growth to create a buffer zone

To supply stockwater a 2 inch pipe was laid below frost line from an existing hose bib approximately 292 feet to 3 troughs. Water level will be maintained with a common livestock float.

Dutra Ranch

Upstream of Lower Little Shasta Road on the Little Shasta
1600 feet: 5 wires barbed, 3 corners, 4 H-braces, 9 single railroad ties,
70 T-posts, 1- 12 foot gate, 2- 6 foot gates, 2 "portagee" gates.
Completed construction of Dutra stream-crossing fence,
approximately 50 feet of lumber panels suspended by a cable. Cable
supported by H-braces on either side of panel fence (to swing as
pushed by high flow and lower again as flow decreases).

Martin Ranch

At headwaters of Little Shasta River 5,350 feet
Railroad tie corners, 5-strand barbed wire, let down specifications
This fence protects the headwaters of the Little Shasta River.

Meamber Ranch

Along Oregon slough adjacent to the City of Montague, 4,000 feet
Railroad tie corners, 5 strand barbed wire standard specifications

Standard specification is attached to this report.

Planting Activities

Planting will take place in the dormant period of 1999 and 2000 under
another grant due to seasonal constraints.

Summary and Conclusion:

A total of 12,250 feet of livestock control fence were created during this
project. These funds were vital for the Shasta River CRMP habitat

protection and improvement program. The timing of these funds provided a major impetus to the Shasta River CRMP to assist local landowners in the improvement and protection of the fisheries habitat of the Shasta River.

The Shasta River Watershed Group needs to thank J. Ayn Perry of the USDA Natural Resources Conservation Service for her assistance with outreach in the Little Shasta watershed. Her help was crucial to extend our program into this critical watershed.

Summary of Expenditures:

	contract	actual
Salary	\$ 42,155.00	27,741.83
Materials	11,326.00	26,100.02
Operating Expenses	1,800.00	1,442.66
General Administration	5,528.00	5,524.49
Totals	<hr/> 60,809.00	60,809.00

BRACE

STANDARD
A

8"

H X H

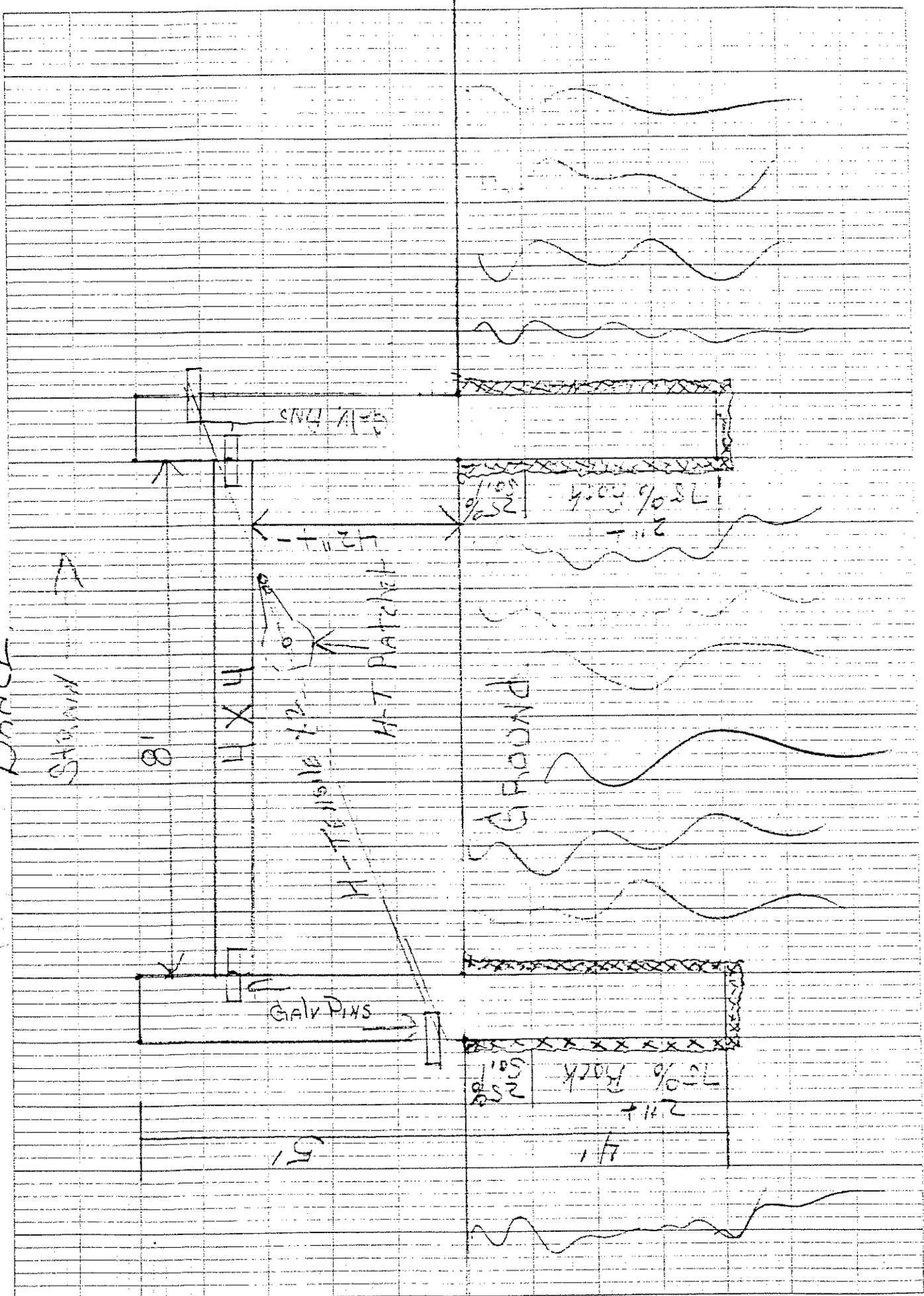
H-TIE 1/2" X 1/2"
H-T PATCH 1/2" X 1/2"

Galv PINS

GROUND

25% Soil
75% Rock
2 1/2'

25% Soil
75% Rock
2 1/2'



CORNER

TIE OR
2 1/2 GAP
TIE OFF

LINE OF STRAIN

AX H

AX H

LINE OF STRAIN

RAIL

TIE

RAIL

TIE

TIE

WOOD

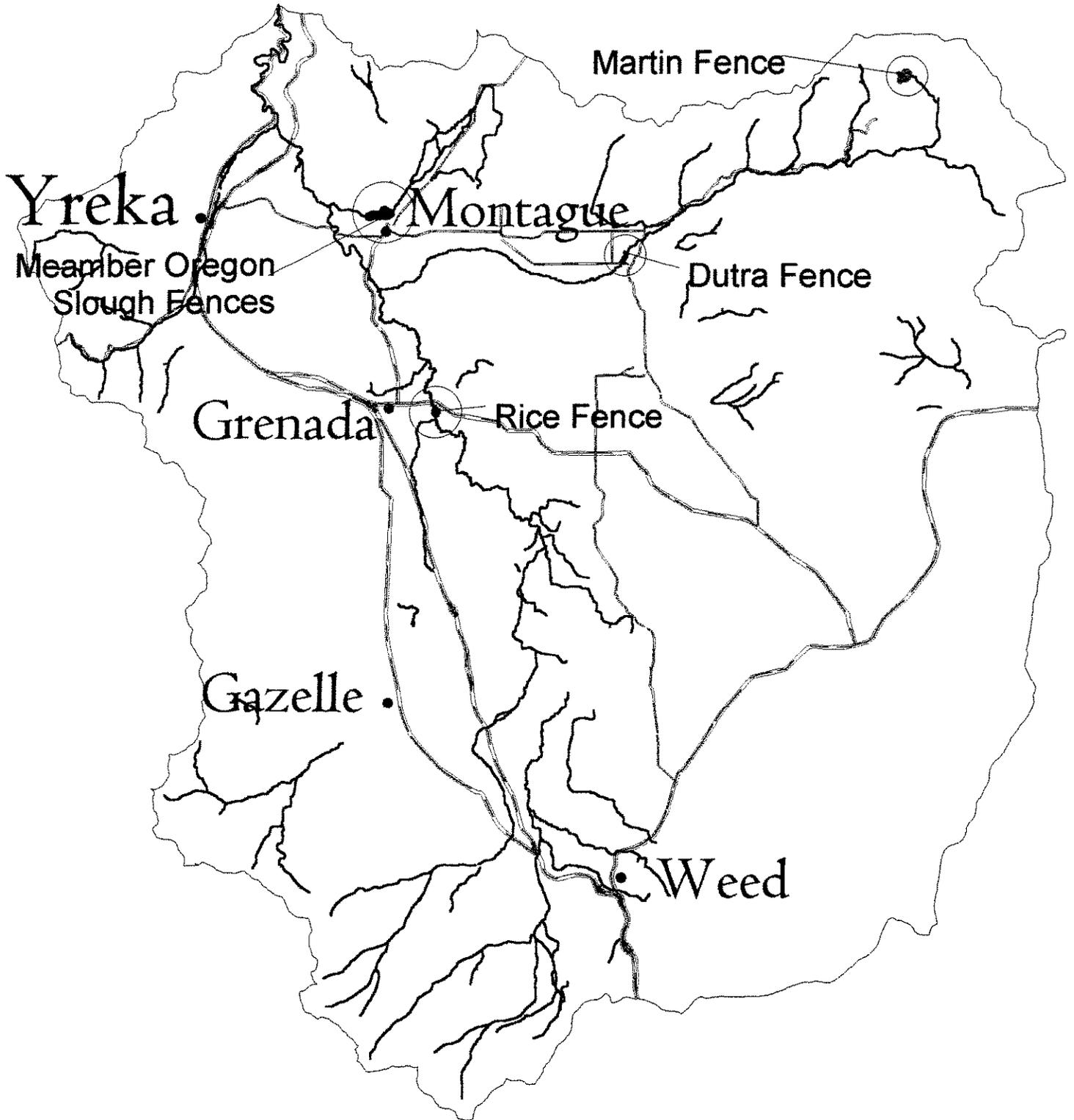
WOOD

RAIL

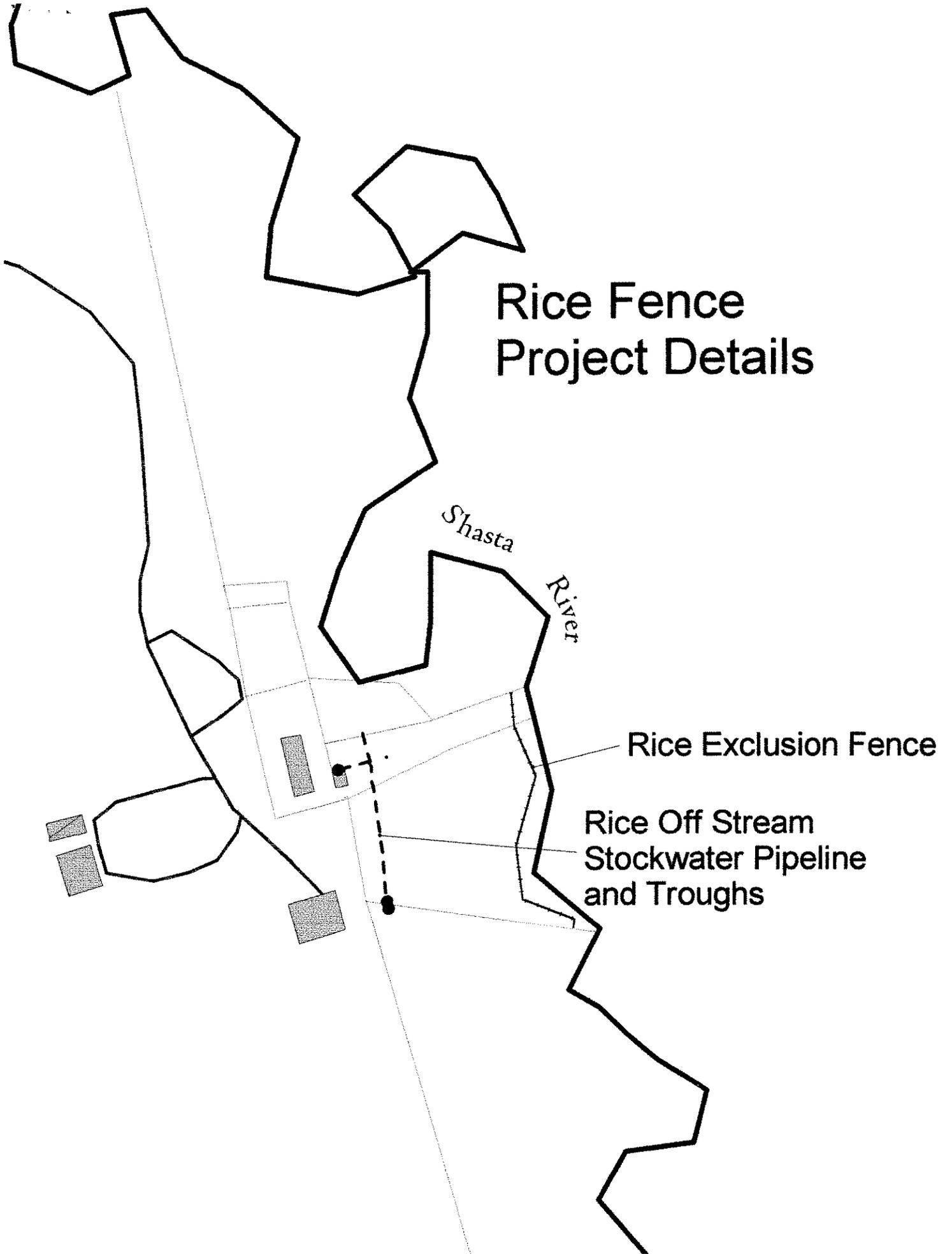
TIE

2 1/2
GAP

95-HR-25 Fence Locations



Rice Fence Project Details



*Shasta
River*

Rice Exclusion Fence

Rice Off Stream
Stockwater Pipeline
and Troughs