

Date Dec 13, 1985FISH HABITAT IMPROVEMENT COMPLETION FORM  
REGION 3

Stream or Lake Name Cook Creek Tributary to NF, Navarro River  
 County Mendocino Co. Township 15N Range 15W Section 5-6 ts ts  
 Section of stream worked Mouth to about 1 mile upstream  
 Sponsor Fish and Game Work crew New Growth forestry  
 Landowner name, address, phone # Timber Realization Co. Colpella

Project duration Aug 1985 Man-days expended \_\_\_\_\_  
 (dates)

Source of funding FD-171 Total cost 4318.<sup>00</sup>

Project benefit Fish Passage Species affected SS-SH

Number of jams removed 4 Number that were barriers 2

Cubic yards of material removed \_\_\_\_\_ Amount of sediment \_\_\_\_\_

Miles of stream opened 2 miles Miles improved \_\_\_\_\_

Methods used Chain saws - Hand labor

Further action recommended NONE

Location of maps and photos Navarro U.S.G.S. 15' Quadrangle

Additional comments, explanations, or details:

Cook Creek is a tributary to the North Fork of the Navarro River. Our work consisted of modification of log barriers at four sites within the first mile upstream from the confluence with the North Fork Navarro. The stream runs another two miles to its upper source. In this upper stretch, beyond the current project area, there are very large log jams and barriers at regular intervals. The creek also runs through a marshy aggraded area with substantial siltation. The upper area also suffers from reduced canopy and erosion. For all these reasons, Fish & Game personnel chose to restrict the present habitat restoration effort to the lower portion of the stream.

The barriers were modified in August 1985 in accordance with the . recommendations of field representative, Mike Bird. The upper site involved cutting passage through a large volume of material. As a result, there is plenty of access through this area now. However, this site in particular, should be monitored in future years since the shear volume of wood material creates a reasonable potential for the reformation of a barrier during storm events. The next lower site should also be watched, as the stream is narrower at this point, with an abrupt gradient change.

The lower mile of Cook Creek within the project area looks very healthy. Canopy is excellent, pools and riffles alternate and flow is abundant. Given the degraded character of the North Fork Navarro in the area near its confluence with Cook Creek, this stream should provide much needed alternate habitat in this region of the Navarro system, for both steelhead and Coho salmon.

This project was accomplished with the cooperation of Timber Realization Company.