

memorandum

DATE: N26
October 11, 1983

REPLY TO
ATTN OF: Fisheries Technician

SUBJECT: May Creek Debris Clearance Report

TO: Fish and Wildlife Ecologist *JH* 10/21/83

Enclosed is a Public Service conservation Work Project Completion Report from the California Conservation Corps (CCC).

On July 18-20, 1983, I observed and gave technical supervision to a CCC crew conducting instream debris clearance on May Creek. Dave McLeod, District Fisheries Biologist for California Department of Fish and Game, proposed the project and requested the CCC's assistance. RNP was involved since the project site was within park boundaries.

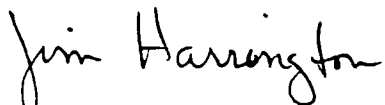
On the first day of the project, I accompanied Dave McLeod and the CCC crew leader on a survey of the May Creek project area. Several debris jams and sites of potential debris jams were identified and briefly discussed regarding labor requirements.

On July 18 work began starting at the confluence with Prairie Creek and progressed upstream. Approximately ten sites were cleared by the CCC crews. Typically, a site consisted of loose woody debris lodged behind a large log or fallen tree. The crew would pull out and sometimes cut out (using a chain saw) the material and deposit it above the high water line. The object producing the jam was either removed or modified in hopes the debris accumulation would not reoccur. In one case, a large log lying across the stream channel was notched in order to allow fish migration without removing the entire log.

On the third day, July 20, I decided to stop the clearance project at a jam approximately 1½ miles upstream from the mouth. During the initial survey, Fish and Game and the CCC crew leader felt the jam was removable. Just prior to actual removal, I reexamined the jam in more detail. I found the jam to be large and complicated. It also contained living 20-30 year old alder and spruce trees. Behind the jam the stream meandered through a meadow of grass and alder. The meadow, I felt, developed as sediments accumulated behind the jam.

The CCC crew was capable of removing the jam; however, it would have been a difficult task and may have released a large quantity of stored sediment. Stopping the project was necessary to prevent the destruction of downstream fish habitat which the CCC crew helped to improve.

Stream clearance is difficult and painstaking work. I was impressed by the CCC's crews' ability to work hard and effectively. I would recommend the use of CCC labor for stream clearance or other projects of similar difficulty.

A handwritten signature in cursive script that reads "Jim Harrington".

Jim Harrington

Enclosure

PROJECT NUMBER	
83-1406-FWF	
FINAL REPORT <input checked="" type="checkbox"/>	INTERIM REPORT <input type="checkbox"/>

PUBLIC SERVICE CONSERVATION WORK
PROJECT COMPLETION REPORT

MAY CREEK

SECTION A - TO BE COMPLETED BY CCC PROJECT COORDINATOR

1. DESCRIPTION: Was project description modified? If so, describe changes.

Yes. Original stream survey and project proposal requested 6 days of crew work (480 CM hours). When project was walked on 7-18-83 request was revised to 10 crew days (960 CM hours). The NPS decided on 7-20-83 to leave certain obstructions in place reducing actual crew time required to 288 CM hours.

2. Did sponsor provide all planning, supervision, materials and educational programming required? (Give details)

No educational programs presented (or requested) to date. Technical supervisor was on-site for project duration. Decision to terminate work left no time to rearrange crew schedule. This problem has been discussed and solved.

3. Show how this project met all of the legislatively mandated objectives:

(Assign a numerical rating using the scale: 1 = Low; 2 = Medium; 3 = High)

Any differences in rating from Project Evaluation should be explained.

	ACTUAL NUMERICAL RATING
A. Conserving, improving, developing natural resources, maintaining environmentally important lands or waters	3
B. Providing public benefit or access (Estimated visitor use, safety, reduced maintenance costs, etc.)	3
C. Providing corpsmembers with opportunities for training in employable skills (i.e., specific tools and use, fire control, resource management, carpentry, etc.)	2

COMMENTS: _____

SECTION B - TO BE COMPLETED BY PROJECT SPONSOR

Did CCC fulfill its project obligations? (Give details)



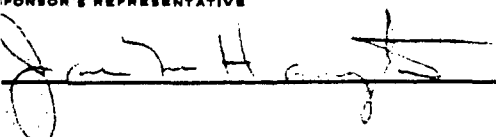
Yes, the CCC did successfully remove instream debris and potential barriers to adult salmonid migration.

Alternative Cost (Cost of project including all items listed in Item 4, A - G if done by an outside contractor. Be sure to include agency overhead. Without CCC labor the project would not have been attempted, therefore, costs were not projected.
 \$ 2,520

Project Economic Benefits: (Benefits of projects to environment, public and/or economy in measurable terms; e.g., increase in park use/visitor days; energy conservation/Btu or Kwh, etc.). Whenever possible, translate this benefit into dollar amounts.
 Approximately 1 1/2 miles of stream was improved for fish migration; whether increased production will result is uncertain. \$ Not available

Cost of Project:	ACTUAL SPONSORING AGENCY COST
A. Work Supplies/Materials	\$ _____
B. Tools and Equipment	\$ _____
C. Vehicles	\$ _____
D. Labor (other than CCC) (_____ hrs. @ \$ _____ /hour)	\$ _____
E. Technical Supervision (24 hrs. @ \$ 9.00 /hour)	216.00
F. Other - Specify	\$ _____
G. Overhead (@ _____ %)	\$ _____
H. Total Agency Cost	216.00

SIGNATURES (indicating completion of project):

CENTER PROJECT COORDINATOR/RANGER 	CCC CENTER DIRECTOR 	DATE 9/30/83
SPONSOR'S REPRESENTATIVE 	TITLE Fisheries Technician	DATE 7/25/83