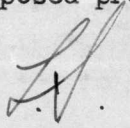


STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF FISH AND GAME**  
INTEROFFICE CORRESPONDENCE

DATE July 14, 1950

**FROM:** LEO SHAPOVALOV  
**TO:** G. I. MURPHY  
**SUBJECT:** PROPOSED EXPERIMENTAL STREAM IMPROVEMENT PROGRAM ON STREAMS IN MENDOCINO NATIONAL FOREST.

Reference is made to Dr. Paul Needham's letter of July 11 to Mr. Taft re: subject matter, of which a copy was sent to you. Please let us have your comments on Dr. Needham's proposed program.



LEO SHAPOVALOV  
Supervising Fisheries Biologist

LS:jg

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29400

Garth I. Murphy

Bureau of Fish Conservation

Box 415 Lakeport

July 17, 1950

PROPOSED EXPERIMENTAL STREAM IMPROVEMENT PROGRAM ON STREAMS IN MENDOCINO NATIONAL FOREST.

In general I am in agreement with the outline submitted by Dr. Needham. As we have previously agreed, the first years work is pointed toward the question "Can the plants be established?". It appears that Needham has taken the proper approach and that there is little surperfluous activity included in his outline.

Specific comments:

1. I would favor the purchase of at least 3 two pen thermographs. The temperature records will ultimately be our best and most precise measure of what the program has accomplished.
2. I also strongly favor the photographic work. A good series of photographs will ultimately be invaluable in following the establishment of the vegetation.

(Any such equipment purchased should be the property of the Division of Fish and Game, and on loan to the University.)

3. I do not think we should pay the men doing the work any more than that paid to beginning members of our permanent staff, i. e. 243 per mo..

District Fisheries Biologist