

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
INTRAOFFICE CORRESPONDENCE

DATE: March 31, 1961

TO: George H. Warner, Fisheries Management Supervisor

FROM: D. W. Kelley, Fisheries Biologist III

SUBJECT: Upper Truckee River Erosion Control - Estimates of Cost of Maintenance

During our last inspection by Alex Calhoun, I promised to furnish all interested persons with a cost estimate for maintenance of the banks of the Upper Truckee River once the project is completed. Here it is, based upon the experience we gained on the Pilot project.

I. Cost per year for first and second year after project is completed:

A. Labor - 8 man-month Seasonal Aid @ \$295	\$2360.00
B. Material -	
fertilizer - 3 ton @ 90	270
seed - 250 lb. @ 0.50	125
miscellaneous (gasoline etc.)	300
Total material	695.00
C. Total Cost Per Year (First and Second)	\$3,055.00

II. Cost per year for years following second year after project was completed.

A. Labor - 3 man-months Seasonal Aid @ 295	885.00
B. Materials (fertilizer, seed, etc.)	<u>115.00</u>
C. Total Cost Per Year	\$1,000.00

The first and second years maintenance are not really maintenance. It requires this long to really establish permanent cover and rip-rap on the banks. This should really be included in the cost of the project and is included in our \$57,000.00 cost estimate.

Our estimate of the cost on years following the second year after completion is about \$1,000.00 and is the one to use.

I do not suppose that this amount would be sufficient to repair catastrophic flood damage that might occur once in 100 years. Should this happen, we would simply have to look elsewhere for repair money.

George H. Warner
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If possible, any unused funds could be used to improve the stream. There is no shortage of opportunity.

If this has your approval, please send it on to Alex and Ray Nesbit.

D. W. Kelley
Fisheries Biologist III

DWK/rs