

- Region 2

Proposition 19 Funding -- Stream Flow Maintenance Dam Repairs

Region 2 of the Department of Fish and Game is requesting Proposition 19 funding for the repair of stream flow flow maintenance dams located on the following forests:

El Dorado National Forest	--	13
Plumas National Forest	--	2
Tahoe National Forest	--	1
Stanislaus National Forest	--	1
Total		17

Most of the dams were built in the 50's and early 60's with WCB funding to store water in suitable lakes and gradually release that water during the dry months (August - October) and keep the outlet streams "alive" and provide additional fish habitat. Prior to the dams being built, the streams dried up. All of the dams were built using native rock and masonry and are rustic in appearance. All of the dams have 8-inch or 12-inch slide gate valves for release of the stored water.

Many of the dams need extensive work in remortaring the rock and replacement of the gate valves due to freezing/thawing and to vandalism. The dams with extensive damage will need the expertise of an experienced stone mason. Dams in need of minor repair may be done by Fish and Game crews. Most of the dams are in the "back country" where pack stock will be needed to transport supplies and equipment.

The dams are currently providing water in 129 miles of stream channels that prior to the dams being built, went dry. In addition to increased fish habitat and spawning areas, numerous campsites have been established along watered stream channels by backpackers.

On major repairs, a stone mason and two assistants will be hired who will provide:

1. Own tools of the trade
2. Own transportation to the trailhead
3. Own food and utensils in spike camp
4. Knowledge on dam integrity and remortars to a solid base to original dam height and dimensions.

Fish and Game personnel with Proposition 19 funding will:

1. Purchase sand and cement - sand may be available at job site.
2. Make arrangements for pack stock and packers to transport supplies and materials to job site.
3. Purchase new valves, frames, stems and wheels if needed.
4. Provide tent, stove, lantern and fuel for spike camp. (This equipment is on hand)
5. Do minor repair work, where needed, on replacement of loose rock and/or removal of logs.

It is estimated that a budget of \$60,240.00 will provide the necessary repair work on 17 stream flow maintenance dams on four National Forests in Region 2.

Patrick O'Brien  
Fisheries Management Supervisor

bc: Jim Messersmith, Jim Richard, Jim Ryan

JR:ds

## Memorandum

To : Jim Messersmith, Regional Manager, Region 2

Date : March 10, 1988

From : Wildlife Conservation Board

Subject : NOTICE OF WCB APPROVAL

PROJECT Sierra Mtn. Stream Flow Maintenance DamsCOUNTY El Dorado and NevadaDate of WCB approval 3/1/88Allocation \$ 60,300.00Fund Source 1984 Fish & Wildlife Habitat Enhancement (Prop. 19)

Approval was granted pursuant to the attached WCB agenda item.

All contracts and agreements authorizing the use of these funds must be approved and signed by the WCB prior to issuing a notice to proceed.

The WCB contact for this project:

Funding information: Marylyn Gzys  
Phone (916) 324-7911; ATSS 8-454-7911Other project information: Clyde Edon  
Phone: (916) 324-7908 ; ATSS 8-454-7908

Contract # WC 1352 is assigned to this project. The project is to be administered by the Department. Contract preparation and administration is to be handled by Region 2. FUNDS MUST BE ENCUMBERED IN A CONTRACT BEFORE 6/30/90 AND SPENT BEFORE 6/30/92.

Please route contract to WCB for review prior to sending to DGS.

*W. John Schmidt*  
W. John Schmidt  
Executive Officer

cc: Fiscal Section  
Jim Ryan, Region 2  
Tim Curtis, IFD

Attach.

*Funding changed  
to 87/88 year  
Gary Miller advised*

*CLB*