

Memorandum

To : Union Valley Reservoir, El Dorado County Files

Date: July 21, 1981


From : **Department of Fish and Game**

Subject: Transplant of SMB

Trinity Lake was electrofished on two nights, April 28 and 29, 1981, using the Region 1 electrofishing boat by J. Ryan, F. Kopperdahl and me. On April 28 the boat was launched at the first ramp on the west side past the dam (Lakeside or Lakeview). Digger Gulch was shocked across from the ramp. Seventeen SMB were taken from this arm in four hours work. There were a number of RT catchables in this area, apparently from a recent plant. The SMB were live carried overnight.

On April 29, John Thomas suggested we try the dredger tailing in the Coffee Creek arm near Trinity Center. This area was more productive for SMB. LMB were also abundant near willows and other cover. Fifty-one SMB were captured in this area.

A total of 68 SMB were transported from Trinity Lake to Union Valley Reservoir. The mean length was 9.5 inches. Sixty SMB were tagged with \$5.00 Carlin tags. Eight were not tagged. Four of the tagged SMB died enroute to Union Valley Reservoir. Fish were planted on 4/30 at the Union Valley boat ramp.



J. B. Richard
Fishery Biologist

cc: Region 1 - John Thomas, Weaverville

JBR:ss

Memorandum

To : J. Ryan

Date: February 18, 1982

From : Department of Fish and Game

Subject: Transplant of SMB to Union Valley Reservoir, El Dorado County

During the spring of 1981, attempts were made to obtain 250 SMB adults from Jenkinson Lake, El Dorado County by electrofishing. Several attempts were made with the Region's pontoon boat but malfunctions occurred and few fish were captured. At this point, Craig Harasek, District Ranger, Pacific Ranger District, volunteered to hook and line SMB and hold them in live cars. This occurred from late March through early April and during the spawning season. Most of the adult fish were tagged with yellow Floy tags with no return address.

When it became evident that enough SMB could not be obtained by hook and line from Jenkinson, we began to look for other sources, primarily Oroville and Trinity reservoirs. The Region pontoon electrofishing boat was repaired and shocking began. It soon became apparent that the numbers obtained was limited to the numbers that could be held safely in the tubs on the shocker boat. At the same time SMB were collected from Trinity and Oroville, a second boat and manpower were not available, consequently we did not obtain the full quota of adult SMB for Union Valley Reservoir.

The following summarizes the numbers and sources of fish that were planted in Union Valley Reservoir.

<u>Water</u>	<u>\$5 Carlin Tagged</u>	<u>Untagged</u>	<u>Total</u>	<u>Hauling Mortality</u>
Jenkinson	15	85	100	0
Oroville	22	14	36	0
Trinity	<u>55</u>	<u>8</u>	<u>63</u>	<u>5</u>
Totals	92	107	199	5

Tags were returned through the latter part of July, 1981. Tag returns were as follows:

Jenkinson	2	13.3%
Oroville	2	9.1%
Trinity	<u>8</u>	<u>14.5%</u>
Total	12	13.0%

It is believed that the Jenkinson fish spawned in Union Valley and possibly some of the Trinity fish. The Oroville fish were planted too late for spawning, although no attempt was made to determine if spawning did occur. Mike Henry, USFS, believes he did see one fingerling SMB during the summer.

The untagged fish from Trinity and Oroville were all less than 8.0 inches but the Jenkinson fish were from 9.0 to 16.0 inches. It is estimated that a total of 23 to 26 SMB were caught during 1981. All of the fish were caught on trout gear. Also during 1981 the lake level did not rise above the bottom of the boat ramp which limited habitat and angling pressure.

During 1982 additional adult SMB will be planted in Union Valley Reserfoir hopefully from Jenkinson Lake. It is anticipated that the lake will be full and provide more suitable habitat for spawning than the 1981 season provided.

J. S. Ryan
FOR

J. B. Richard
Fishery Biologist

cc: Richard

JBR:ss