

Memorandum

To : Survey Files

Date September 13, 1984

From : Department of Fish and Game Region 2

Subject: Shadow Lake, El Dorado County

Shadow Lake has been planted annually with approximately 1,000 brook fingerlings. Three years ago beavers had built a dam impounding more water than the previous 4.5 surface acres.

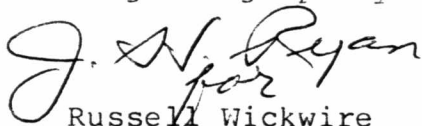
On July 26, 1981, a 125-foot variable meshed gill net was fished from 1215-1530 hours with the following results:

<u>Species</u>	<u>No.</u>	<u>Length Range</u>	<u>Mean Length</u>
BK	20	5-9.25"	6.9"
BN	2	5-6.25"	5.6"

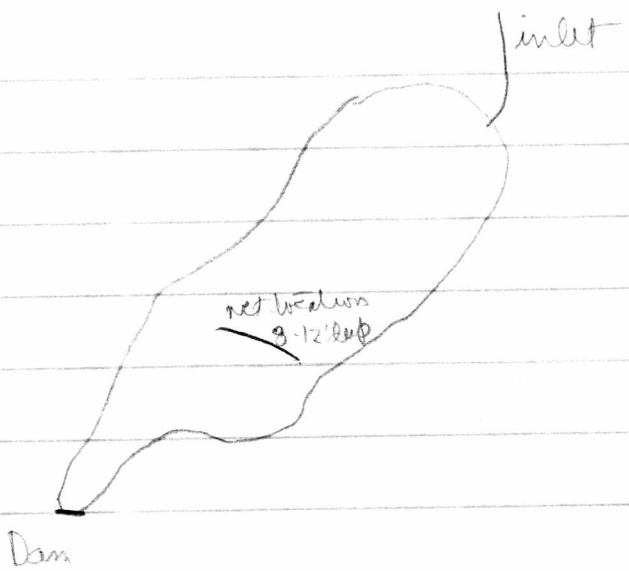
In 1983, USFS beaver trapping operations took out beaver in the Meeks Creek drainage including the dam builders in Shadow Lake. A two-foot higher water level was seen to have occurred, but present conditions illustrates that the lake level was down to the normal level.

The fishery looked good. The brookies were numerous without indicating an over-population of stunted fish. The lake is quite shallow, with a maximum depth of 10-15' encountered during gill netting; consequently, lower populations are expected in the future. The fish population control will be regulated by the winter water condition.

The present 1,000 BK-f seems high and should be reduced to 750 fingerlings per year.


Russell Wickwire
Fishery Biologist

RW:ds



SHADOW LAKE

A floating gillnet was fished.

<u>DATE</u>	<u>SET</u>	<u>DURATION</u>
07/22/97	<u>TIME</u>	<u>hr.</u>
	FLOAT	17:30
	SINK	16.00

<u>SPECIES</u>	<u>SEX</u>	<u>FL (mm)</u>	<u>TL (mm)</u>	<u>WT (g)</u>	<u>K</u>
BK	F	223	230	120	0.99
BN		247	261	160	0.90
LRS		80	88	7	1.03
LRS		83	92	8	1.03
LRS		98	107	12	0.98
LRS		108	112	13	0.93

SUMMARY	<u>BK</u>	<u>BN</u>	<u>LRS</u>
N:	1	1	4
MEAN TL (mm):	230	261	100
MEAN WT (g):	120	160	10
MEAN K:	0.99	0.90	0.99
SLOPE:			
SEX RATIO (M/F):	0/1		
FISH/HR:	0.1	0.1	0.3
FISH/SET:	1.0	1.0	4.0