

Memorandum

To : Files

Date : December 7, 1983

From : Department of Fish and Game - Region 2

Subject: Hellhole Reservoir, Placer County

Hellhole Reservoir was gill netted June 16-17, 1983 to determine the status of the LT planted in 1978 and 1979. Three mono's were set for 54 net hours in the vicinity of the boat camps. The nets caught 219 SKR, 104 TC and 9 BN. No LT were caught. The BN's were all in prime condition.

Although no LT were caught in the nets, one angler reported catching a 22 inch six pound LT earlier. This was assumed to be from the 1978 plant. Other anglers reported catching four LT during July in the 16-18 inch range and probably from the 1979 plant.

The lake was last netted in 1977 and at that time, 401 TC and 41 SKR were caught in two nets during the drought years. Essentially, the nongame fish populations have remained about the same. In the past six years the BN plantings have fluctuated from 2,000 to 6,000.

To provide a trophy type fishery, I believe the allotment of BN will have to be increased to 10,000 to 15,000 BN and another allotment of 10,000 LT to provide a fishery which will significantly reduce the TC and SKR populations. The status quo management of todays numbers may bring TC and SKR numbers under control in 10-15 years, but this could be shortened if larger numbers of BN and LT become available in the near future.



James Richard
Fishery Biologist

JBR:ds

Hellhole Res.
Gill Net Catch June 16-17, 1983

	SKR	TG	TG	BN
< 7				
7.0-7.4				
7.5-7.9				
8.0-8.4				
8.5-8.9				
9.0-9.4				
9.5-9.9				
10.0-10.4				
10.5-10.9				
11.0-11.4				
11.5-11.9				
12.0-12.4				
12.5-12.9				
13.0-13.4				
13.5-13.9				1
14.0-14.4				
14.5-14.9				
15.0-15.4				
15.5-15.9				
16.0-16.4				
16.5-16.9				
17.0-17.4				
17.5-17.9				
18.0-18.4				
18.5-18.9				
19.0-19.4				1

2.7
2.5
2.7
(219)

(9)