

J. Ryan

June 3, 1976

J. B. Richard

Projected Storage of SMUD Reservoirs in Crystal Basin

SMUD (Barney Clorey, Sacramento) called May 20, 1976 and related the following information on the projected storage in Loon, Union Valley and Icehouse Reservoir.

<u>Loon Lake -</u>	<u>Date</u>	<u>Acre-Feet</u>	<u>Elevation</u>
	July 1, 1976	55,500 (max.)	6,394'
	November 1, 1976	20,900	6,361'
			33' draft

<u>Union Valley Reservoir -</u>	<u>Date</u>	<u>Acre-Feet</u>	<u>Elevation</u>
	June 1, 1976	140,000 (max.)	4,813'
	November 1, 1976	36,200	4,722'
			91' draft

As a reference, the lake level at the bottom of Peninsula boat ramp would contain 181,000 AF of storage. SMUD will draw heavily on Union Valley Reservoir during the July - August period and by July 1 it will be down to 102,000 AF. At this level, fish planting access will be difficult or impossible due to wet or muddy roads.

<u>Icehouse Reservoir -</u>	<u>Date</u>	<u>Acre-Feet</u>	<u>Elevation</u>
	July 1, 1976	29,600	5,424'
	November 1, 1976	13,900	5,391'
			33' draft

The storage figures are subject to error depending upon additional power needs, rain occurring in the September - October period and other considerations. They are also total storage figures and not useable storage. None of the reservoirs will fill.

J. Ryan
June 3, 1976
Page 2

Fish Management Implications

As I see it, the peak angler use will occur in June when school is out. At the present angler use is low due to low water and boat access. The lake will be at its maximum level by June 1 and will begin dropping rapidly after this. I suggest that only 10,000 RTC be planted in Union Valley Reservoir. The other 15,000 RTC to be divided between Icehouse and Loon Lake. There are also 60,000 CTLxRTKJ-Y allotted for Union Valley Reservoir. We should only plant 30,000 in Union Valley Reservoir and divide the remainder between Icehouse and Loon.

The drafts at Loon and Icehouse will probably not be as rapid as Union Valley Reservoir. However, planting access may become critical in the late July - early August period.

All fish should be planted by the end of July.

✓ J. B. Richard
Assistant Fishery Biologist

JBR:sw