

Memorandum

To : FILES - EL DORADO IRRIGATION DISTRICT

Date: APRIL 17, 1967

From : Department of Fish and Game

Subject: An Examination of Greenwood and Hastings Creek, Tributary to S. F. American River

The trophy rainbow trout fishery in Folsom Reservoir is currently maintained entirely by natural reproduction in the North and South Forks of the American River and their tributaries. In 1964, over 3,000 large rainbow were landed in Folsom Lake. Plantings of marked rainbow trout did not produce any returns to the creels of anglers checked during following seasons.

Auburn Reservoir will block spawning migrations up the North Fork and a proposed reservoir will block trout migrations up the South Fork.

In order to verify the existence of the South Fork run, two tributaries where trout would be expected to spawn were examined on April 12, 1967. Greenwood Creek was flowing about 30 c.f.s. slightly murky with a water temperature of 52 degrees F. One mile of stream was examined. Although patches of good gravel were noted, no trout or trout fry were observed. On the other hand, a number of large suckers were observed to be scattered throughout the section surveyed. A few sucker or cyprinid fry ($\frac{1}{4}$ " - $\frac{1}{2}$ " long) were observed in the shallows. Hastings Creek from a point $\frac{1}{4}$ mile below the confluence of Blue Tent Creek and Blackwood Creek up one-half mile above this confluence were surveyed on foot.

Hastings Creek below Blackwood Creek has a rather steep gradient with much bedrock and numerous rapids. Upstream the bed flattens out and good gravel riffles are fairly numerous. Blackwood Creek was flowing at about 20 c.f.s. and quite clear. Water 52 degrees F. One adult trout 12 inches long was observed and several dozen newly hatched trout fry were observed in side pools along about $\frac{1}{2}$ -mile of stream. Several large suckers, squawfish, and one largemouth bass were observed.

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cc: So. Fk. American - Survey File
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