

Memorandum

Date : August 25, 1989
To : Steve Kashawada
Division of Planning

DRAFT

From : Douglas Denton
Department of Water Resources
Northern District

EXHIBIT CT 37

Subject: Draft Santa Ynez Instream Flow Need Study

The following draft report presents the results of an Instream Flow Incremental Methodology (IFIM) study performed by the Northern District Environmental Branch during May through August 1989. This study was done at the request of the Division of Planning to help identify potential fishery mitigation measure which could be used to offset any negative fishery impacts resulting from enlargement of the Bradbury Dam/Lake Cachuma Project. This study covers the area from Bradbury Dam to Buellton.

The basic results of the IFIM study is a series of curves relating flow levels in the Santa Ynez River to the amount of fishery habitat created assuming suitable water quality conditions. These curves provide the basis for determining the fishery impacts of alternative flow release schedules. The report also recommends additional work that should be performed by a fishery biologist or consultant to provide the remaining information needed to evaluate suggested fishery mitigation proposals.

To limit report size, this IFIM report contains mainly end product summarized information calculated from the basic data collected in May and June. The basic depth, velocity, substrate and surveying data, curve plotting points, transect cross sections, photographs and other backup information is readily available if needed.

This is a draft report which we expect to modify in response to any comments received by September 18. If questions arise during your review of this draft, you may wish to call Bill Mendenhall who was the primary investigator during this study.

Attachment

DRAFT

SURNAME

Douglas Denton