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Memorandum

To : Anadromous Fisheries Branch

Date : July 19, 1982

From : Department of Fish and Game - Region 2

Subject: Operational Criteria for the Glenn-Colusa Fish Screen

we received answer from Bay-Delta, but none from AFB

Don Dolenwilly

He said operate screen at "all" times pumps are on

Please provide me with your views on a proper operational criteria for the Glenn-Colusa Fish season.

Assume we start screening with the onset of diversion in the spring. Should we then close it down when certain temperatures are exceeded in the Delta in the July period? What temperature? Should we start it up again in the fall? At what date or temperature?

Consider the unpublished results of Bay-Delta KS-smolt studies, other studies and the fact screens do wear out..

Your comments by August 2, 1982 would be appreciated.



Paul T. Jensen
Regional Manager

cc: Bay-Delta
Richard Hollock - AFB, Red Bluff

bcc: Frederick Meyer
Richard D. Beland ✓

RDB:ds

Memorandum

To : Paul Jensen, RM
Region 2

Date : August 2, 1982

From : **Department of Fish and Game**


Subject: Operational Criteria for the Glenn-Colusa Fish Screen

Having spent four summers working on evaluations of the Glenn-Colusa fish screen, we have an appreciation of the problems associated with keeping the fish screens in operation. However, based on the results of our studies we believe the screens should be in place before diversions begin, and remain in place throughout the diversion season. Support for this can be found in AFB Administrative Report 78-20, Figure 4, which shows that outmigration continued past the intake through July of 1974, and was continuing after we ceased our operations. In fact our highest catches occurred during the week of July 8-14 when a freshet brought an average of 3,500 fish per day past the screens.

This movement was also evident in 1975, and continued in both years after conditions in the Delta resulted in an end to the outmigration at Chipps Island. Presumably these fish hold up between Hamilton City and the Delta, to rear and become the October-November outmigrants we record.

Practically, screen maintenance and repair time is available in the off-season, and from our experience, removal and installation of the screens would take two men about two weeks to accomplish. This would be especially true if silt moved into the screen wells while the units were out. This coupled with the fact that trashrack maintenance would require someone to be on site anyway would seem to negate any savings to the Department.

Thank you for the opportunity to comment on this proposal. We believe the screens should remain in place throughout the season.

for 
H. K. Chadwick
Program Manager
Bay-Delta Fishery Project