

Individual Proposal Report

Title: Culture of Delta Smelt (I166)

Geographic Area: Delta

Primary Stressor Addressed: Population Management/Artificial Propagation

Project Type: Research

Applicant Type and Name: University: Professor Serge Doroshov, UC Davis, (916) 752-9338.

Funding: The applicant has requested \$592,776 for a three-year research project. It is recommended that only the first year be funded at this time (\$194,870).

Cost Share: none

Project Description: The goal of the three-year project is to establish a functional delta smelt culture system at a location within the Delta. Such a system will support ongoing environmental projects by providing all life stages of smelt for laboratory research.

ERPP Linkage: The proposal meets the goals of the Ecosystem Restoration Program Plan (CALFED, Volume II, 28 July 1997) as it should help ensure the recovery of the delta smelt, which is federally listed as threatened (page 58).

AFRP Linkage: This proposal does not contribute toward making all reasonable efforts to at least double natural production of anadromous fish as it does not address natural production of anadromous fish.

Applicant's Proposed Monitoring: Although the project does not contain specific monitoring tasks, some of the developed material may be used as the standards for future bio-monitoring programs. For example, developmental charts for delta smelt can be used in the analysis of captured embryos, larvae, and post-larvae smelt. CALFED staff will review the proposed monitoring plan and revise as necessary.